

# 國立中山大學 應用數學系

# 成果報告

民國九十九年（2010年）九月

國立中山大學

應用數學系

成果報告

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## 一、前言

### (一) 發展願景

本校中山大學與台大、中央、清華、交大、陽明和成大等校同時被教育部評為研究型大學，獲得五年五百億計畫經費補助，學風鼎盛，人文薈聚。

我們應用數學系研究之重點方向為非線性分析、離散數學、微分方程、機率統計與科學計算。我們有一個校級的非線性分析與離散數學研究中心，強化了本系學術研究的能量，並帶動南部學術活動的風氣。在學校的積極支持下，應數系期望在短期內能成為台灣數學與統計界的學術重鎮，長期則能發展成為世界第一流的數學研究中心。

### (二) 教學目標

中山應用數學系的碩士班成立於 1987 年(民國七十六年)，大學部成立於 1990 年，博士班成立於 1994 年。大學部除提供充實的數學課程，以奠定學生紮實的基礎外，並設有數理財務和軟體工程等學程，以便同學在畢業之後，既有充分的能力進入就業市場，也可以進入适合自己性向的研究領域深造。碩士班教學分統計、科學計算及數學三組，另外還有一個金融優化英語課程。學生不論在理論及應用，均將獲得更進一步的訓練。博士班以培養具有獨立研究能力的人才為目標，期使在本系完成博士學位者，日後均能繼續鑽研，成為國家學術研究的主力。本系亦承辦國科會及教育部補助之高屏區高中學生數學科學研究人才培育計畫，為培養和發掘優秀的中學教師和學生、造就基礎科學人才而盡力，並期望在數年內發展成為世界第一流的數學研究中心。

### (三) 師資陣容

本系現有專任教師 18 人均具博士學位，熱心教學和研究。每位教師均有國科會研究計畫，並屢獲各種研究教學之獎勵。其中徐洪坤教授為南非國家科學院院士，朱緒鼎教授曾獲國科會傑出研究獎助，他倆和黎景輝教授同為本校西灣講座；另外也有多位教師擔任國內外重要學術期刊的主編或編輯委員。

### (四) 研究設備

本系為國科會高雄區數學圖書中心，現期、庫藏及線上電子期刊均相當完整，一般圖書則置於本校總圖書館。本系有研究所及大學部電腦教室各一間，多媒體教室五間，遠距教學及視訊會議的設備各一套，軟硬體設備齊全完善。研究生皆配有研究室。

### (五) 學術表現

本系師生積極從事學術研究，多年以來發表論文數全國第一，碩博士班同學畢業論文大多能夠發表；2009 年每位老師平均發表 6 篇以上列名 SCI 數學期刊論文。本

系熱心參與國內外學術活動，例如發起南區統計研討會，並主辦1994年國際數學會議、1996年第一屆海峽兩岸統計學研討會、2000年國際數學分析及其應用研討會、第八屆微分方程研討會、2005年第六屆台菲分析研討會、2007年計算數學研討會、2007年組合數學(新苗)研討會、2008年第九屆廣義凸性及廣義單調性國際會議等；2009年第十八屆南區統計研討會更吸引國內外約500人與會，其中包含由美國、新加坡、德國及澳洲等國來的學者，還有香港浸會大學、香港中文大學及中國科學與技術大學師生組團參加，為本校提高不少聲望。

## (六) 學生出路

本系學生除可依興趣選擇輔系、雙主修，也可至外系選課。為了培養同學的多元學習能力和因應就業的需要，在應用數學系的主導下，與本校財管系、企管系合辦數理財務學程，與資工系、資管系、電機系合辦軟體工程學程，供同學選讀。另外，本校亦開設教育學程，供有意願擔任中、小學教師的同學選修。

由於學習環境優良，本系學生均能受到良好訓練。至今已有大學部畢業生17屆共760位，碩士班畢業生22屆共454位，博士班畢業生30位。畢業生除正在服兵役者外，其他有正在就讀碩士班者(除數學、統計及資訊類所外，包含經濟、精算、國際企業、工業工程等研究所)，有在保險業、資訊業、電子業、企業界工作者，可說在各行各業均有本系畢業生，發展空間極大。教師關懷學生，與校友經常保持聯繫。

## (七) 學校環境

高雄市地處南台灣，為國際大港，是一個工商業都很發達的都市，加上腹地廣大，深具發展潛力。近兩年來因高速鐵路的通車，高雄捷運紅、橘兩線陸續完工，高雄正蓄勢待發。本校位於高雄市西子灣，捷運橘線的起點，學校附近風景名勝極多。雄鎮北門、舊英國領事館、柴山森林公園、動物園、旗津海水浴場、愛河風景區、高雄港區、蓮池潭、美術館、科學工藝博物館、澄清湖都是學生怡情益智的好地方。本校依山傍水，氣勢磅礴，建築宏偉；遠眺碧波萬頃，水天相連，巨輪航行碇泊其間。在靈秀的校園中，橫臥著一座壽山隔離塵囂，穿越了清風徐來的人行隧道之後又立即進入市區。能在此地讀書及成長，實屬難得可貴。學生宿舍均設有電腦網路、餐廳及其他各種設備。學校致力為學生提供一舒適的學習環境。



## 二、教職員介紹

### 專任教師

姓名 E-mail	職稱	學 歷	研 究 專 長	分機
黃毅青 wong	教授 兼代理系主任 兼非線性分析 及離散數學研 究中心主任	香港中文大學數學系學士(1985) 香港中文大學數學所碩士(1987) 美國普渡大學數學博士(1991)	泛函分析、算子理論、 算子代數	3818
羅夢娜 lomn	教授	清華大學數學系學士(1976) 美國普渡大學統計博士(1983)	實驗設計、工業統計、 資料分析、環境統計	3811
姚任之 yaojc	教授	台灣師範大學數學系學士(1981) 台灣師範大學數學所碩士(1984) 美國史丹福大學作業研究博士(1990)	動態規劃、數學規劃、 作業研究	3816
羅春光 law	教授	香港中文大學數學系學士(1982) 香港中文大學數學所碩士(1987) 美國匹茲堡大學數學博士(1992)	微分方程、分析	3822
朱緒鼎 zhu	教授 <b>西灣講座</b>	武漢水電學院數學系學士(1982) 華中工學院數學所碩士(1984) 加拿大卡爾加里大學數學博士(1990)	組合數學、計算機科學	3827
張福春 changfc	教授	台灣大學數學系學士(1984) 美國普渡大學統計博士(1992)	實驗設計、統計計算	3823
蔡志賢 tsay	教授	台灣大學數學系學士(1981) 美國亞利桑那大學數學博士(1991)	機率論	3817
郭美惠 guomh	教授 兼 副學務長	清華大學數學系學士(1983) 美國馬里蘭大學統計博士(1989)	時間序列、估計論、 隨機過程	3820
呂宗澤 ttl	教授	清華大學數學系學士(1983) 清華大學數學所碩士(1985) 美國加州大學柏克萊分校數學博士(1992)	矩陣理論、數值分析、 微分方程、離散數學	3821
徐洪坤 xuhk	教授 <b>西灣講座</b>	浙江師範大學數學系學士(1982) 浙江大學數學系碩士(1985) 西安交通大學數學系博士(1988)	作業研究、泛函分析、 數理財務	3836
黃杰森 huangcs	教授	清華大學應用數學系學士(1990) 清華大學數學所碩士(1992) 美國普渡大學應用數學博士(1998)	數值分析、偏微分方程	3830
王彩蓮 tlwong	教授	台灣師範大學數學系學士(1989) 台灣師範大學數學碩士(1993) 台灣大學數學博士(1996)	環論	3819
董立大 ldtong	教授	東海大學數學系學士(1991) 交通大學應用數學研究所碩士(1993) 交通大學應用數學系博士(1998)	組合數學	3832
黎景輝 kinglai	教授 <b>西灣講座</b>	英國倫敦大學數學學士(1969) 美國耶魯大學數學博士(1974)	自守型式理論	3814

姓名 E-mail	職稱	學 歷	研究專長	分機
蔣永延 chiangyy	教授	台灣師範大學數學系學士(1980) 台灣師範大學數學所碩士(1986) 美國紐約市立大學數學博士(1995)	黎曼面、雙曲幾何、 複變函數論	3829
何宗軒 hom	副教授	成功大學數學系學士(1988) 美國普渡大學數學博士(1996)	泛函分析、算子理論、 複變函數論	3831
陳美如 chenmr	助理教授	彰化師範大學數學學士(1999) 台灣大學數學碩士(2001) 彰化師範大學數學博士(2007)	應用機率	3810
李宗銓 leetsung	助理教授	中央大學數學系學士(1996) 清華大學應數所碩士(1998) 美國密西根州立大學數學系博士(2007)	數值分析、科學計算、 多項式方程	3815
李子才 zcli	約聘教授	北平清華大學應用力學及數學系學士(1963) 加拿大多倫多大學數學博士(1986)	數值分析、科學計算、 影像處理、模式識別	3824
張宏鏞 changhy	約聘 助理教授	輔仁大學數學系學士(1994) 輔仁大學數學系碩士(1996) 中山大學應用數學系博士(2008)	組合數學、圖論	3813

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### 兼任教師

姓名	職稱	學 歷	研究專長	Office 分機 E-mail
連偉成	兼任 副教授	彰化師範大學數學系學士(1988) 中央大學數學研究所碩士(1990) 中央大學應用數學博士(1996)	微分方程	3846 轉 231 wclian@mail.nkmu.edu.tw
蔣志祥	兼任 副教授	東吳大學數學系學士(1993) 中山大學應用數學系碩士(1995) 中山大學應用數學系博士(2000)	泛函分析	3846 轉 233 jeangjs@math.nsysu.edu.tw
林純穗	兼任 副教授	中山大學應用數學系碩士(1990) 中山大學應用數學系博士(2006)	機率論、數 理統計	3846 轉 233 cslin@math.nsysu.edu.tw
黃宏財	兼任 副教授	淡江大學數學系學士(1994) 中山大學應用數學系碩士(1996) 中山大學應用數學系博士(2003)	科學計算、 數值分析	3846 轉 232 huanght@isu.edu.tw
白豐銘	兼任 副教授	交通大學應用數學研究所學士(1987) 交通大學應用數學研究所博士(1992)	數學教育、 微分方程	3846 轉 232 a0963227693@yahoo.com.tw
李振多	兼任 講師	台灣大學數學系學士(1985) 美國亞利桑那大學統計所碩士(1991)	統計	3846 轉 233 leect@math.nsysu.edu.tw
歐神護	兼任 講師	高雄工學院應用數學系學士(1995) 中山大學應用數學系碩士(1997)	分析	3846 轉 231 totalhue@sina.com.tw

國外傑出教學教師

姓名	職稱	年度	服務單位	研究專長
陳文憲 Robert W. Chen	客座教授	97	美國 University of Miami, Dept. of Math.	probability theory, mathematical finance
余岐青 Qiqing Yu	客座教授	97	美國 Binghamton University, Dept. of Mathematical Sciences (State University of New York )	survival analysis, decision theory
Nicolas Hadjisavvas	客座教授	97	希臘 University of the Aegean, Dept. of Product and Systems Design Engineering	optimization
Nguyen Don Yen	客座教授	97	越南 Vietnamese Academy of Science and Technology, Institute of Math.	optimization theory, nonsmooth analysis, set-valued analysis.
蔡英士 Yung Sze choi	客座教授	98	越南 Department of Mathematics, University of Connecticut, U.S.A.	partial differential equations
Wataru Takahashi	客座教授	98	日本 Tokyo Institute of Technology	nonlinear analysis

現職博士後研究員

姓名	期間	指導教授	分機
王雅書博士	99/01/01~99/10/31	黃毅青教授	3846 轉 231
李博智博士	99/08/01~100/07/31	董立大教授	3846 轉 233
劉榮惠博士	99/08/01~100/07/31	黃毅青教授	3846 轉 231
周國暉博士	99/09/01~100/07/31	黎景輝教授	3846 轉 232
游古彥博士	100/02/01~101/01/31	姚任之教授	



## 行政人員

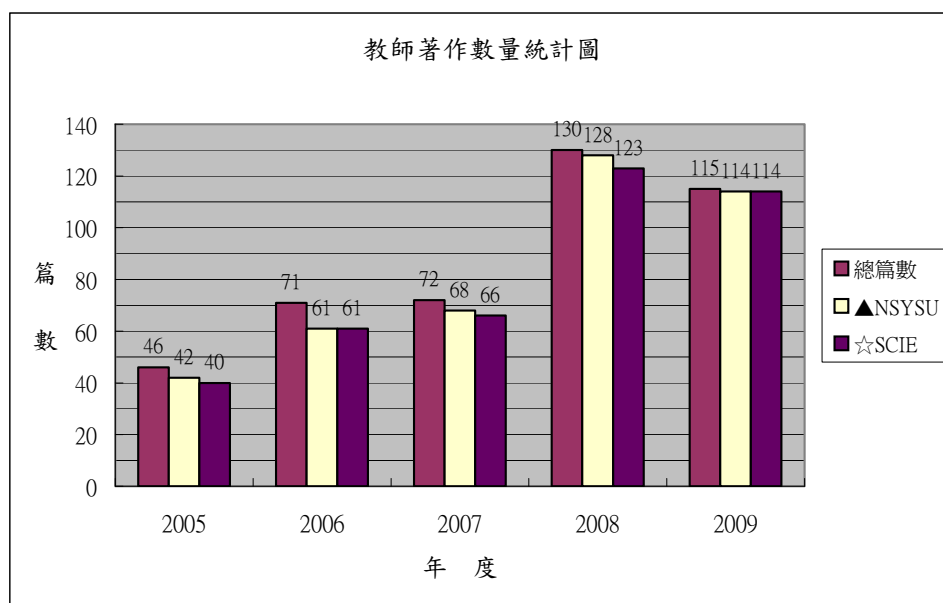
姓名 E-mail	職稱	負責事務	分機
劉尚存 liust	助教	綜理系行政業務、各項經費報帳	3834
王秀英 sywang	技士	計算機系統管理、本系財產管理	3805
胡瓊文 hucw	助理	綜理教學業務、協助系行政業務	3801
陳又瑄 chenys	助理	國科會計畫相關業務、協助研究所教學事宜	3803
嚴嘉鳳 yencf	助理	圖書業務、辦理研討會	3849
胡瓊方 hucf	助理	綜理資優班相關業務、協助大學部教學事宜	3802
邱秀鳳 chiusf	服務員	收發公文及信件、清潔工作	3803
盧月桃 luyt	服務員	收發公文及信件、清潔工作	3801

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### 三、教師著作統計表

	2005			2006			2007			2008			2009		
	篇數	▲	☆	篇數	▲	☆	篇數	▲	☆	篇數	▲	☆	篇數	▲	☆
羅夢娜	2	2	1	3	3	3	0	0	0	0	0	0	3	3	3
李子才	6	5	6	7	7	7	5	5	5	19	19	18	10	10	10
姚任之	12	12	10	20	20	18	44	44	40	58	58	57	50	50	50
黃毅青	3	3	1	6	6	6	5	5	4	14	14	14	9	9	8
羅春光	3	3	3	2	2	2	1	1	1	0	0	0	2	2	2
朱緒鼎	9	9	8	7	7	3	4	4	3	14	14	14	14	14	14
張福春	2	2	2	0	0	0	2	2	2	1	1	0	2	2	2
蔡志賢	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
郭美惠	0	0	0	3	3	1	2	2	2	3	3	1	0	0	0
呂宗澤	2	2	2	1	1	1	1	1	1	3	3	2	3	3	3
徐洪坤	—	—	—	10	0	10	4	0	4	7	7	7	9	9	9
黎景輝	—	—	—	—	—	—	—	—	—	—	—	—	0	0	0
何宗軒	0	0	0	3	3	2	0	0	0	2	2	1	0	0	0
黃杰森	1	1	1	3	3	3	2	2	2	1	1	1	1	1	1
王彩蓮	2	1	2	2	2	2	0	0	0	2	2	2	2	2	2
董立大	1	0	1	2	2	1	0	0	0	3	3	3	8	8	8
蔣永延	3	2	3	2	2	2	1	1	1	1	1	1	0	0	0
陳美如	—	—	—	—	—	—	—	—	—	2	0	2	1	0	1
鄭彥修	—	—	—	—	—	—	—	—	—	0	0	0	0	0	0
張宏鏞	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1
合計	46	42	40	71	61	61	72	68	66	130	128	123	115	114	114
平均篇數	3.07	2.80	2.67	4.44	3.81	3.81	4.50	4.25	4.13	7.22	7.11	6.83	5.75	5.70	5.70

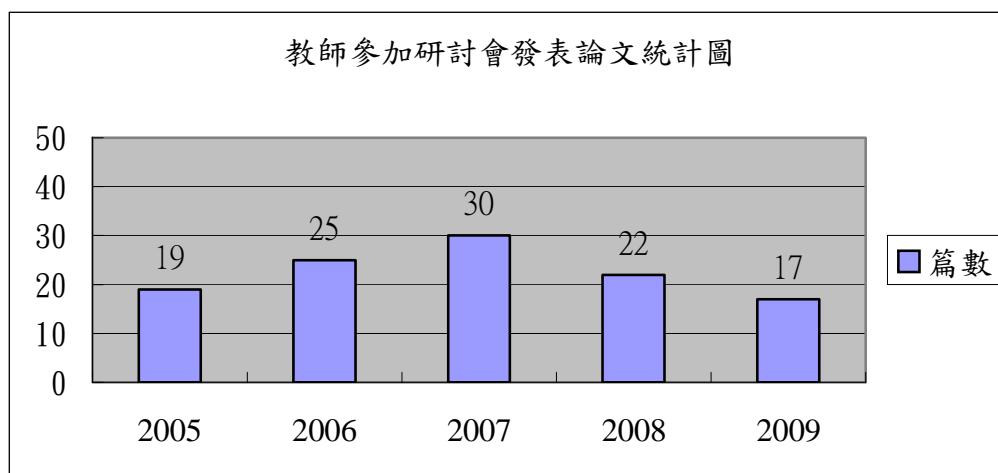
註：—表尚未到校 ▲表 NSYSU ☆表 SCIE



#### 四、教師近年參加研討會發表論文統計表

	2005	2006	2007	2008	2009	合計
羅夢娜	2	3	2	1	1	9
李子才	0	1	3	1	0	5
姚任之	1	1	2	1	0	5
黃毅青	5	4	6	6	2	23
羅春光	2	2	1	1	1	7
朱緒鼎	4	5	4	2	3	18
張福春	1	2	1	1	2	7
蔡志賢	0	0	0	0	0	0
郭美惠	1	2	2	1	0	6
呂宗澤	2	1	3	3	1	10
徐洪坤	*	0	0	3	0	3
黎景輝	*	*	*	*	0	0
何宗軒	0	1	2	0	0	3
黃杰森	1	1	1	1	0	4
王彩蓮	0	0	1	0	0	1
董立大	0	2	1	0	3	6
蔣永延	0	0	1	0	0	1
陳美如	*	*	*	0	3	3
鄭彥修	*	*	*	1	1	2
張宏鏞	*	*	*	*	0	0
合計	19	25	30	22	17	113
平均篇數	1.27	1.56	1.88	1.22	0.85	

註：\*表尚未到校



## 五、研究計畫統計表

### (一)、國科會研究計畫

單位：元

主持人	95學年(2006)		96學年(2007)		97學年(2008)		98學年(2009)		99學年(2010)	
	件數	經費數	件數	經費數	件數	經費數	件數	經費數	件數	經費數
羅夢娜	1	1,490,000	1	1,370,000	1	1,232,000	1	1,209,000	1	1,159,000
李子才	1	946,000	1	1,010,000	1	1,011,000	1	861,000	1	815,000
姚任之	2	2,350,000	2	2,367,000	2	2,311,000	3	3,042,000	3	2,973,000
黃毅青	2	3,403,000	2	3,734,000	1	1,777,000	1	1,791,000	1	1,157,000
羅春光	1	877,000	1	866,000	1	854,000	1	831,000	1	1,737,000
朱緒鼎	2	1,707,000	2	1,610,000	2	1,626,000	1	1,528,000		
張福春	1	743,000	1	623,000	1	674,000	1	696,000	1	586,000
蔡志賢	1	333,000	0	0	1	306,000	1	271,000	0	0
郭美惠	1	916,000	1	1,044,000	1	1,060,000	1	950,000	1	950,000
呂宗澤	1	1,217,000	1	1,437,000	2	3,300,000	2	3,343,000	2	2,403,000
徐洪坤		國外傑出教師		96年12月新聘	1	1,025,000	1	795,000	1	829,000
黎景輝		未到任		未到任		未到任	1	1,217,000	1	769,000
黃杰森	1	833,000	1	889,000	1	866,000	1	581,000	1	1,181,000
王彩蓮	1	515,000	1	492,000	1	515,000	1	457,000	1	477,000
何宗軒	1	470,000	1	438,000	1	503,000	1	480,000	1	418,000
董立大	1	751,000	1	728,000	1	1,052,000	1	900,000	1	1,077,000
蔣永延	1	699,000	1	598,000	1	423,000	1	377,000	1	315,000
陳美如		未到任		未到任	1	462,000	1	446,000	1	473,000
鄭彥修		未到任		未到任	1	295,000	1	328,000		離職
張宏鏞		未到任		未到任		未到任	1	298,000	1	237,000
合計	18	17,250,000	17	17,206,000	21	19,292,000	23	20,401,000	20	17,556,000

### (二)、國科會推教計畫

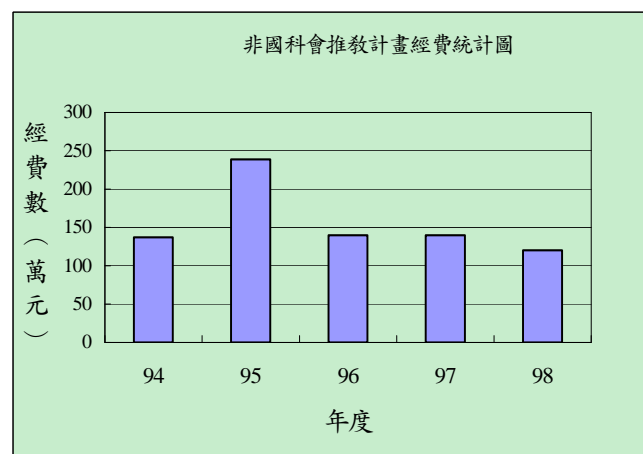
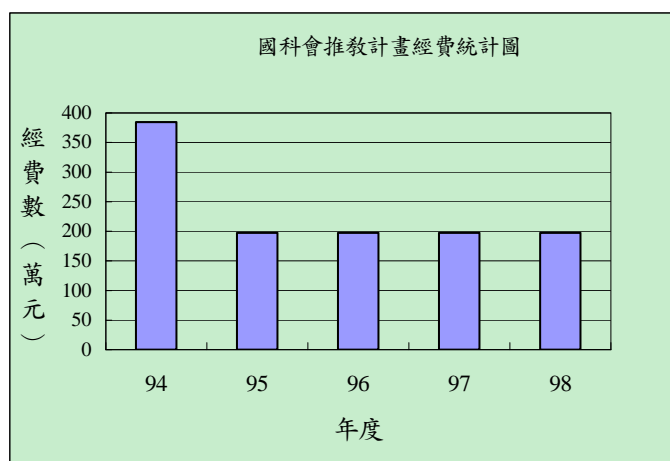
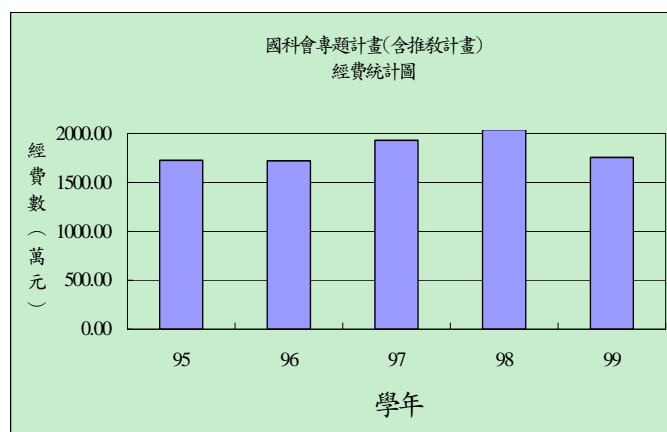
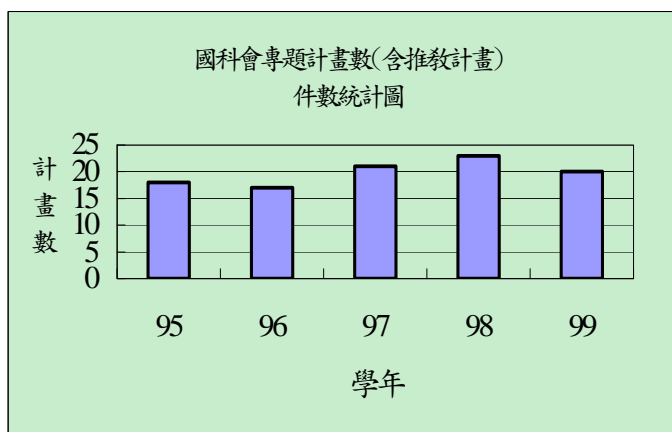
單位：元

計畫名稱	94 年度		95 年度		96 年度		97 年度		98 年度	
	主持人	經費數	主持人	經費數	主持人	經費數	主持人	經費數	主持人	經費數
數學研究推動中心高雄地區數学期刊圖書服務計畫	黃毅青	1,973,000	黃毅青	1,974,000	黃毅青	1,973,000	呂宗澤	1,973,000	呂宗澤	1,973,000
高雄區高中數學科資優生培育計畫	羅春光	1,871,000								
合計		3,844,000		1,974,000		1,973,000		1,973,000		1,973,000

### (三)、非國科會計畫

單位：元

計畫名稱	94 年度		95 年度		96 年度		97 年度		98 年度	
	主持人	經費數	主持人	經費數	主持人	經費數	主持人	經費數	主持人	經費數
教育部基礎科學教育改進計畫-跨領域教學聯盟-A類計畫及B類計畫	呂宗澤 王彩蓮	693,000 200,000	官大智 朱緒鼎	550,000 200,000						
教育部高級中學基礎科學資優人才培育計畫	羅春光 郭美惠	240,000 240,000	羅春光 郭美惠	120,000 120,000						
教育部高屏區高中學生數學科學研究人才培育計畫			呂宗澤	1,400,000	呂宗澤	1,400,000	呂宗澤	1,400,000	呂宗澤	1,200,000
合計		1,373,000		2,390,000		1,400,000		1,400,000		1,200,000



## 六、教師曾擔任之學術性刊物編輯工作

姓名	職務	年 度	刊物名稱
羅夢娜教授	執行編輯	1993-1995	中國統計學報
	編輯委員	2000-2002	Statistica Sinica
	編輯委員	2004-	中國統計學報
	編輯委員	2007-2008	Metrika
徐洪坤教授	編輯委員	1994-	Communications on Applied Nonlinear Analysis
	編輯委員	1996-	Far East Journal of Mathematical Sciences
	編輯委員	1994-2000	模糊系統學刊
	編輯委員	2002-	Nonlinear Functional Analysis and Applications
	編輯委員	2004-	Journal of Applied Mathematics and Stochastic Analysis
	編輯委員	2004-	Journal of Applied Analysis
	編輯委員	2004-	Fixed Point Theory: Applications and Computations
	編輯委員	2005-	Global Journal of Pure and Applied Mathematics
	編輯委員	2005-	International Journal of Mathematics and Analysis
	編輯委員	2005-	Advances in Nonlinear Analysis and Applications
	編輯委員	2007-	Nonlinear Analysis, Theory, Methods, and Applications
李子才教授	編輯委員	1998-2003	Information, An Inter. J.
姚任之教授	編輯委員	1999-	Advances in Nonlinear Variational Inequalities
	編輯委員	2006-	The Aligarh Bulletin of Mathematics
	編輯委員	2006-	Applied Mathematics E-Notes
	主編	2007-	Taiwanese Journal of Mathematics (SCI)
	編輯委員	2007-	Fixed Point Theory
	編輯委員	2007-	Journal of the Chinese Institute of Industrial Engineering
	編輯委員	2007-	Journal of Sciences, Hanoi National University of Education Press
	編輯委員	2008-	International Journal of Differential Equations
	編輯委員	2010-	Journal of Nonlinear and Convex Analysis
	編輯委員	2010-	Applicable Analysis
郭美惠教授	編輯委員	2000-2002	中國統計學報
朱緒鼎教授	編輯委員	2004-	SIAM Journal on Discrete Mathematics
	編輯委員	2004-2007	Taiwanese Journal of Mathematics
	編輯委員	2006-	Bulletin of the Institute of Mathematics Academia Sinica New Series
蔣永延教授	編輯委員	2005-	Australian Journal of Mathematical Analysis and Applications(AJMAA)
黃毅青教授	編輯委員	2007-	Operators and Matrices
	編輯委員	2008-	Asian-European J. Math.

## 七、教師已出版之專書

作者	書名	年份	出版社
姚任之教授	微積分	84	三民書局
方源、黃文璋、李育嘉、黃毅青等教授合編	Proceedings of the International Mathematics Conference '94	85	World Scientific Publishing Co.
李子才教授	Combined Methods for Elliptic Equations with Singularities, Interfaces and Infinities	87	Kluwer Academic Publishers
李子才、呂宗澤、H. Y. Hu、A. D. Cheng 等教授合著	Trefftz and Collocation Methods	96	WIT press
姚任之教授	微積分	98	滄海書局



## 八、教師榮譽榜

姓名	學年度	頒發單位	獎項名稱
姚任之教授	81	中山大學	理學院新人獎
	82	中山大學	傑出研究獎
	92	中山大學	研究績優獎
	99	ESI(Essential Science Indicators) from Thomson Reuters	Rising Star 學者
黃毅青教授	82	中山大學	理學院新人獎
	94	中山大學	研究績優獎
蔡志賢教授	82	中山大學	理學院新人獎
	88	中山大學	優良導師獎
李子才教授	83	中山大學	理學院新人獎
	86	中山大學	理學院研究績優老師
羅夢娜教授	84	中山大學	優良導師獎
羅春光教授	86	國科會	績優新進研究計劃
	96	中山大學	優良教學獎
	98	中山大學	優良教學獎
朱緒鼎教授	86	中山大學	研究績優獎
	89	中山大學	研究績優獎
	92	中山大學	研究績優獎
	95	國科會	傑出研究獎
	95	中山大學	研究績優獎
	96	中山大學	特聘研究教授
	96	中華民國數學會	學術獎
	97	中山大學	西灣講座
黎進三教授	88	中山大學	97 年度傑出學者研究計畫
郭美惠教授	88	中山大學	傑出教學獎
黃杰森教授	90	中山大學	優良導師獎
	93	教育部	基礎科學教育改進計畫優等獎
徐洪坤教授	95	中山大學	優良導師獎
	94	南非國家科學院	院士
董立大教授	95	中山大學	西灣講座
	95	中山大學	傑出教學獎
陳美如教授	98	中山大學	優良導師獎

# 九、學生榮譽榜

## 碩博士班

姓名	得獎學年	頒發單位	獎項名稱
陳麗夙	76	中央研究院	周鴻經獎學金
蘇志成	77	中央研究院	周鴻經獎學金
葉鴻國	78	中央研究院	周鴻經獎學金
洪家宗	79	中國統計學社	最優統計論文獎
許明峻	81	中國統計學社	最優統計論文獎
李姁樺	81	中華文化復興運動總會	數學優良學生論文獎
張秀芬	82	中國統計學社	優良統計論文獎
司馬佩文	84	中央研究院	周鴻經獎學金
朱淑真	85	中國統計學社	優良統計論文獎
蔣志祥	85	中華文化復興運動總會	數學優良學生論文獎
李盈盈	85	中央研究院	周鴻經獎學金
楊清富	85	中央研究院	周鴻經獎學金
葉雲兆	85	中華民國電腦學會	論文佳作獎
陳瑞彬	86	中國統計學社	最優統計論文獎
蘇志成	86	台美文化交流基金會	陳文成統計科學獎學金
蔣志祥	87	中央研究院	周鴻經獎學金
黃錦輝	89	中央研究院	周鴻經獎學金
黃錦輝	89	台美文化交流基金會	陳文成統計科學獎學金
吳佼佼	90	國科會	碩士論文獎
趙志益	90	中央研究院	周鴻經獎學金
王琪玲	90	台美文化交流基金會	陳文成統計論文獎學金
陳中川	90	中華文化復興會	中華文化復興會優良學生論文獎
潘志實	91	中山大學	中山大學 91 學年度博士研究生優秀畢業論文獎
潘志實	91	中華民國數學會	優良學生論文獎
孫德宇	91	中華民國數學會	優良學生論文獎
潘志實	91	台灣組合數學新苗研討會	優良論文獎
林淑媛	91	台灣組合數學新苗研討會	優良論文獎
許湘伶	91	中國統計學社	優等獎
孫德宇	91	中國統計學社	優等獎
林英芬	91	中央研究院	周鴻經獎學金
黃世豪	91	中央研究院	周鴻經獎學金
潘志實	91	中山大學	博士研究生優秀畢業論文獎
潘志實	91	中華民國數學會	博士研究生優秀畢業論文獎
潘志實	92	台灣組合數學新苗研討會	優良論文獎
林淑媛	92	台灣組合數學新苗研討會	優良論文獎
楊宗穎	93	台灣組合數學新苗研討會	優良論文獎
楊宗穎	93	中華民國數學會	優良論文獎
陳中川	93	教育部	公費留學獎學金
林英芬	94	中華民國數學會	優良論文獎
林英芬	94	中山大學	博士研究生優秀畢業論文獎
鄭彥修	94	中華民國數學會	博士研究生優秀畢業論文獎
張育群	94	中國統計學社	碩士論文優等獎
吳佼佼	94	台灣組合數學新苗研討會	優良論文獎
楊朝祺	94	台灣組合數學新苗研討會	優良論文獎
顏珮嵐	94	台灣組合數學新苗研討會	優良論文獎
林承穎	95	台灣組合數學新苗研討會	優良論文獎
洪蓉婷	95	台灣組合數學新苗研討會	優良論文獎
李昫叡	95	台灣組合數學新苗研討會	優良論文獎
林良靖	96	中國統計學社	碩士論文優等獎

姓名	得獎學年	頒發單位	獎項名稱
毛鏘淵	96	中國統計學社	碩士論文優等獎
黃士峰	97	魏慶榮統計論文獎	特優獎
李全濱	97	魏慶榮統計論文獎	優等獎
林銘宏	97	台灣組合數學新苗研討會	優良論文獎
張家榮	97	台灣組合數學新苗研討會	優良論文獎
林詠嘉	97	中國統計學社	碩士論文佳作獎
蔡仲信	98	中國統計學社	碩士論文優等獎

## 大學部

姓名	得獎學年	頒發單位	獎項名稱
陳瑞彬	81	中央研究院	周鴻經獎學金
陳瑞彬	84	國科會	大專學生研究創作獎
王瑞慶 安興彥 莊玉如	84	教育部	程式設計競賽大學組甲類優等獎
安興彥 林嵩慶 謝孟吉	86	Association for Computing Machinery 台灣師範大學	亞洲區 ACM 軟體競賽第五名
歐陽振森	86	中央研究院	周鴻經獎學金
葉盛毅	86	國科會	大專學生研究創作獎
黃錦輝	88	國科會	大專學生研究創作獎
黃碩達 廖英哲	88	教育部	ACM 亞洲盃程式設計比賽第六名
謝瑋珊	89	台灣師範大學科技中心	大學數學學力測驗線性代數銅牌獎
官振傑	95	中央研究院	周鴻經獎學金
陳志瑋	96	中央研究院	周鴻經獎學金
陳曉慧	97	財團法人周大觀文教基金會	第八屆熱愛生命獎學金
蔣宜津	98	中國統計學社	大學獎學金

# 十、教師近五年執行之研究計畫

單位：元

主持人	計畫名稱	計畫編號	計畫期限	核定金額
羅夢娜教授 Mong-Na Lo Huang	反應曲面模型下之正合 D-最適與穩健設計(1/2) Exact D-optimal and robust designs for response surface models (1/2)	NSC 95-2118-M-110-003-MY2	95/08/01-96/07/31	1,490,000
羅夢娜教授 Mong-Na Lo Huang	反應曲面模型下之正合 D-最適與穩健設計(2/2) Exact D-optimal and robust designs for response surface models (2/2)	NSC 95-2118-M-110-003-MY2	96/08/01~97/07/31	1,370,000
羅夢娜教授 Mong-Na Lo Huang	多反應非線性模型下之最適設計問題 (1/2) Optimal design problems for multiresponse nonlinear models (1/2)	NSC 97-2118-M-110-001-MY2	97/08/01~98/07/31	1,232,000
羅夢娜教授 Mong-Na Lo Huang	多反應非線性模型下之最適設計問題 (2/2) Optimal design problems for multiresponse nonlinear models (2/2)	NSC 97-2118-M-110-001-MY2	98/08/01~99/07/31	1,209,000
羅夢娜教授 Mong-Na Lo Huang	單體離勢模型下之最適設計研究-比例數據上之應用 (1/2) Optimal designs for simplex dispersion models-with application to proportional data (1/2)	NSC 99-2118-M-110-001-MY2	99/08/01~100/07/31	1,159,000
李子才教授 Zi-Cai Li	邊界方法與有效條件數 Boundary methods and effective condition number	NSC 95-2115-M-110-007	95/08/01-96/07/31	946,000
李子才教授 Zi-Cai Li	有效條件數的研究 Study of Effective Condition Number	NSC 96-2115-M-110-008	96/08/01~97/07/31	1,010,000
李子才教授 Zi-Cai Li	基本解法的分析 Analysis for the Method of Fundamental Solutions	NSC 97-2115-M-110-009	97/08/01~98/07/31	1,011,000
李子才教授 Zi-Cai Li	用高階有限元求解特徵值問題的超收斂 Superconvergence of High Order FEMs for Eigenvalue Problems	NSC 98-2115-M-110-005	98/08/01~99/07/31	861,000
李子才教授 Zi-Cai Li	用於半線性參數依賴橢圓型問題的譜配置法 Spectral collocation methods for semilinear parameter-dependent problems	NSC 99-2115-M-110-011	99/08/01~100/07/31	815,000
姚任之教授 Jen-Chih Yao	一類最佳化及平衡問題之研究(3/3) A class of optimization and equilibrium problems (3/3)	NSC 95-2115-M-110-002	95/08/01-96/07/31	1,711,000
姚任之教授 Jen-Chih Yao	具平衡限制條件之最優化問題 Optimization with equilibrium constraints	NSC 95-2221-E-110-078	95/08/01-96/07/31	639,000
姚任之教授 Jen-Chih Yao	廣義變分不等式及平衡問題解法之研究 Solution methods for generalized variational inequalities and equilibrium problems	NSC 96-2119-M-110-001	96/08/01~97/07/31	1,691,000
姚任之教授 Jen-Chih Yao	多目標規劃解法及存在性之研究 (1/3) On Solution Methods and Existence of Multi-Objective Programming (1/3)	NSC 96-2628-E-110-014-MY3	96/08/01~97/07/31	676,000
姚任之教授 Jen-Chih Yao	廣義變分不等式及平衡問題解法之研究(2/3) Solution methods for generalized variational inequalities and equilibrium problems (2/3)	NSC 97-2115-M-110-001	97/08/01~98/07/31	1,733,000
姚任之教授 Jen-Chih Yao	多目標規劃解法及存在性之研究(2/3) On Solution Methods and Existence of Multi-Objective Programming (2/3)	NSC NSC 96-2628-E-110-014-MY3	97/08/01~98/07/31	578,000
姚任之教授 Jen-Chih Yao	廣義變分不等式及平衡問題解法之研究(3/3) Solution methods for generalized variational inequalities and equilibrium problems (3/3)	NSC 97-2115-M-110-001	98/08/01~99/07/31	1,747,000
姚任之教授 Jen-Chih Yao	多目標規劃解法及存在性之研究(3/3) On Solution Methods and Existence of Multi-Objective Programming (3/3)	NSC NSC 96-2628-E-110-014-MY3	98/08/01~99/07/31	641,000
姚任之教授 Jen-Chih Yao	優化問題之拓撲及變分方法(台俄國合計畫)(1/3) Topological and variational methods in optimization problems (1/3)	NSC 98-2923-E-110-003-MY3	98/08/01~99/07/31	654,000

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姚任之教授 Jen-Chih Yao	優化問題之拓撲及變分方法(台俄國合計畫)(2/3) Topological and variational methods in optimization problems (2/3)	NSC 98-2923-E-110-003-MY3	99/08/01~100/07/31	774,000
姚任之教授 Jen-Chih Yao	黎曼流形上變分不等式及最佳化之研究(1/3) Variational inequalities and optimization on Riemannian manifolds (1/3)	NSC 99-2115-M-110-004-MY3	99/08/01~100/07/31	1,569,000
姚任之教授 Jen-Chih Yao	半無限規劃穩定性之研究(1/3) On stability in semi-infinite optimization (1/3)	NSC 99-2221-E-110-038-MY3	99/08/01~100/07/31	630,000
黃毅青教授 Ngai-Ching Wong	算子代數的局部結構(3/3) Local structure of operator algebras (3/3)	NSC 95-2115-M-110-001	95/08/01~96/07/31	1,429,000
黃毅青教授 Ngai-Ching Wong	高雄地區數學期刊圖書服務計畫(2/3) Mathematical library service in the Kaohsiung area (2/3)	NSC 95-2735-M-110-001	95/01/01~95/12/31	1,974,000
黃毅青教授 Ngai-Ching Wong	整體算子理論及 C*-代數(1/3) Global Operator Theory and C*-algebras (1/3)	NSC 96-2115-M-110-004-MY3	96/08/01~97/07/31	1,761,000
黃毅青教授 Ngai-Ching Wong	高雄地區數學期刊圖書服務計畫(3/3) Mathematical library service in the Kaohsiung area (3/3)	NSC 96-2735-M-110-001	96/01/01~96/12/31	1,761,000
黃毅青教授 Ngai-Ching Wong	整體算子理論及 C*-代數(2/3) Global Operator Theory and C*-algebras (2/3)	NSC 96-2115-M-110-004-MY3	97/08/01~98/07/31	1,777,000
黃毅青教授 Ngai-Ching Wong	整體算子理論及 C*-代數(3/3) Global Operator Theory and C*-algebras (3/3)	NSC 96-2115-M-110-004-MY3	98/08/01~99/07/31	1,791,000
黃毅青教授 Ngai-Ching Wong	Hilbert C*-模的研究(1/3) Study in Hilbert C*-modules (1/3)	NSC 99-2115-M-110-007-MY3	99/08/01~100/07/31	1,157,000
羅春光教授 Chun-Kong Law	線性與非線性方程的節點反演問題(1/2) Inverse nodal problems for linear and nonlinear differential equations (1/2)	NSC 95-2115-M-110-014-MY2	95/08/01~96/07/31	877,000
羅春光教授 Chun-Kong Law	線性與非線性方程的節點反演問題(2/2) Inverse nodal problems for linear and nonlinear differential equations (2/2)	NSC 95-2115-M-110-014-MY2	96/08/01~97/07/31	866,000
羅春光教授 Chun-Kong Law	圖上的譜反演問題(1/2) Inverse Spectral Problems on Graphs (1/2)	NSC 97-2115-M-110-005-MY2	97/08/01~98/07/31	854,000
羅春光教授 Chun-Kong Law	圖上的譜反演問題(2/2) Inverse Spectral Problems on Graphs (2/2)	NSC 97-2115-M-110-005-MY2	98/08/01~99/07/31	831,000
羅春光教授 Chun-Kong Law	圖上的 Ambarzumyan 問題(1/2) Ambarzumyan problems on graphs (1/2)	NSC 99-2115-M-110-010-MY2	99/08/01~100/07/31	1,737,000
朱緒鼎教授 Xuding Zhu	線圖的圈色數(1/3) Circular chromatic index of graphs (1/3)	NSC 95-2115-M-110-013-MY3	95/08/01~96/07/31	1,406,000
朱緒鼎教授 Xuding Zhu	圖的圓著色和圓流(1/2)(台法國合計畫) Circular coloring and circular flow of graphs (1/2)	NSC 95-2115-M-110-005	95/02/01~96/01/31	301,000
朱緒鼎教授 Xuding Zhu	線圖的圈色數(2/3) Circular chromatic index of graphs (2/3)	NSC 95-2115-M-110-013-MY3	96/08/01~97/07/31	1,357,000
朱緒鼎教授 Xuding Zhu	圖的圓著色和圓流(2/2)(台法國合計畫) Circular coloring and circular flow of graphs (2/2)	NSC 96-2115-M-110-001	96/02/01~97/01/31	253,000
朱緒鼎教授 Xuding Zhu	線圖的圈色數(3/3) Circular chromatic index of graphs (3/3)	NSC 95-2115-M-110-013-MY3	97/08/01~98/07/31	1,346,000
朱緒鼎教授 Xuding Zhu	圖的列表圓環著色(1/3) Circular choosability of graphs (1/3)	NSC 97-2115-M-110-008-MY3	97/08/01~98/07/31	280,000
朱緒鼎教授 Xuding Zhu	圖的列表圓環著色(2/3) Circular choosability of graphs (2/3)	NSC 97-2115-M-110-008-MY3	98/08/01~99/07/31	1,528,000
張福春教授 Fu-Chuen Chang	加權多項式迴歸模型之最適設計(1/2) Optimal designs for weighted polynomial regression (1/2)	NSC 95-2118-M-110-002-MY2	95/08/01~96/07/31	743,000
張福春教授 Fu-Chuen Chang	加權多項式迴歸模型之最適設計(2/2) Optimal designs for weighted polynomial regression (2/2)	NSC 95-2118-M-110-002-MY2	96/08/01~97/07/31	623,000

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張福春教授 Fu-Chuen Chang	加權多項式迴歸模型之 D 最適設計的極限分佈 Limiting distribution of D-optimal designs for weighted polynomial regression	NSC 97-2118-M-110-002	97/08/01~98/07/31	674,000
張福春教授 Fu-Chuen Chang	加權多項式迴歸模型之 D 最適設計的進階計算方法 Advanced determinant calculus of D-optimal design for weighted polynomial regression	NSC 98-2118-M-110-002	98/08/01~99/07/31	696,000
張福春教授 Fu-Chuen Chang	利用符號及數值反演特徵函數計算分佈函數與其應用 Computing distribution functions by symbolic and numerical inversion of characteristic functions with applications	NSC 99-2118-M-110-002	99/08/01~100/07/31	586,000
蔡志賢教授 Jhishen Tsay	隱藏式馬可夫模型之研究及其應用 Study on hidden Markov models and its applications	NSC 95-2115-M-110-010	95/08/01~96/07/31	333,000
蔡志賢教授 Jhishen Tsay	完全收斂之收斂速度之研究 A Study on the Convergence Rate of Complete Convergence	NSC 97-2115-M-110-007	97/08/01~98/07/31	306,000
蔡志賢教授 Jhishen Tsay	完全收斂之收斂速度之研究(二) A study on the convergence rate of complete convergence (II)	NSC 98-2115-M-110-002	98/08/01~99/07/31	271,000
郭美惠教授 Mei-Hui Guo	具有信用風險的選擇權及美式選擇權的定價研究(2/2) Studies on the pricing of financial derivatives- credit risk and American option (2/2)	NSC 95-2118-M-110-001	95/08/01~96/07/31	916,000
郭美惠教授 Mei-Hui Guo	財務衍生性商品定價及高頻財務資料分析(1/2) Financial Derivative Pricing and Analysis of High-Frequency Financial Data (1/2)	NSC 96-2118-M-110-001-MY2	96/08/01~97/07/31	1,044,000
郭美惠教授 Mei-Hui Guo	財務衍生性商品定價及高頻財務資料分析(2/2) Financial Derivative Pricing and Analysis of High-Frequency Financial Data (2/2)	NSC 96-2118-M-110-001-MY2	97/08/01~98/07/31	1,060,000
郭美惠教授 Mei-Hui Guo	高頻交易資料累積波動比例估計及即時監控系統 (1/2) Estimation of Integrated Volatility Ratio and Online Monitoring System for High Frequency Transaction Data (1/2)	NSC 98-2118-M-110-001-MY2	98/08/01~99/07/31	950,000
郭美惠教授 Mei-Hui Guo	高頻交易資料累積波動比例估計及即時監控系統 (2/2) Estimation of Integrated Volatility Ratio and Online Monitoring System for High Frequency Transaction Data (2/2)	NSC 98-2118-M-110-001-MY2	99/08/01~100/07/31	950,000
呂宗澤教授 Tzon-Tzer Lu	邊界近似法之收斂分析 Convergent analysis of boundary approximation method	NSC 95-2115-M-110-008	95/08/01~96/07/31	1,217,000
呂宗澤教授 Tzon-Tzer Lu	邊界近似法之流體計算 Boundary Approximation Method for Fluid Problems	NSC 96-2115-M-110-007	96/08/01~97/07/31	1,437,000
呂宗澤教授 Tzon-Tzer Lu	邊界方法求解 Helmholtz 方程 Boundary Methods for Helmholtz Equation	NSC 97-2115-M-110-006	97/08/01~98/07/31	1,327,000
呂宗澤教授 Tzon-Tzer Lu	高雄地區數學期刊圖書服務計畫(1/3) Mathematical Library Service in the Kaohsiung Area (1/3)	NSC 97-2735-M-110-001-MY3	97/01/01~97/12/31	1,973,000
呂宗澤教授 Tzon-Tzer Lu	邊界近似法求解外域問題 Trefftz method for exterior problems	NSC 98-2115-M-110-007	98/08/01~99/07/31	1,370,000
呂宗澤教授 Tzon-Tzer Lu	高雄地區數學期刊圖書服務計畫(2/3) Mathematical Library Service in the Kaohsiung Area (2/3)	NSC 97-2735-M-110-001-MY3	98/01/01~98/12/31	1,973,000

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呂宗澤教授 Tzon-Tzer Lu	邊界近似法之收斂階轉變 Transition of convergent orders of Trefftz method	NSC 99-2115-M-110-003	99/08/01~100/07/31	430,000
呂宗澤教授 Tzon-Tzer Lu	高雄地區數學期刊圖書服務計畫(3/3) Mathematical Library Service in the Kaohsiung Area (3/3)	NSC 97-2735-M-110-001-MY3	99/01/01~99/12/31	1,256,800
徐洪坤教授 Hong-Kun Xu	非線性算子方程解之迭代方法的收斂性及其應用(1/3) Iterative Methods for Solving Nonlinear Operator Equations: Convergence and Applications (1/3)	NSC 97-2628-M-110-003-MY3	97/08/01~98/07/31	1,025,000
徐洪坤教授 Hong-Kun Xu	非線性算子方程解之迭代方法的收斂性及其應用(2/3) Iterative Methods for Solving Nonlinear Operator Equations: Convergence and Applications (2/3)	NSC 97-2628-M-110-003-MY3	98/08/01~99/07/31	795,000
徐洪坤教授 Hong-Kun Xu	非線性算子方程解之迭代方法的收斂性及其應用(3/3) Iterative Methods for Solving Nonlinear Operator Equations: Convergence and Applications (3/3)	NSC 97-2628-M-110-003-MY3	99/08/01~100/07/31	829,000
黎景輝教授 King-Fai Lai	局部 Langlands 對應, 算術 D 模與 Lie 群表現理論 (1/2) Local Langlands Correspondence, Arithmetic D-modules & Representation theory of Lie Groups (1/2)	NSC 98-2115-M-110-008-MY2	98/08/01~99/07/31	1,217,000
黎景輝教授 King-Fai Lai	局部 Langlands 對應, 算術 D 模與 Lie 群表現理論 (2/2) Local Langlands Correspondence, Arithmetic D-modules & Representation theory of Lie Groups (2/2)	NSC 98-2115-M-110-008-MY2	99/08/01~100/07/31	769,000
黃杰森教授 Chieh-Sen Huang	快速質量及體積守恆特徵法及其在對流問題之運用(3/3) A fast fully mass and volume conservating scheme of a characteristic method for transport problems (3/3)	NSC 95-2115-M-110-003	95/08/01~96/07/31	833,000
黃杰森教授 Chieh-Sen Huang	對流問題之完整局部守恆特徵法(1/3) The fully locally conservative characteristic method for transport problem (1/3)	NSC 96-2115-M-110-002-MY3	96/08/01~97/07/31	889,000
黃杰森教授 Chieh-Sen Huang	對流問題之完整局部守恆特徵法(2/3) The fully locally conservative characteristic method for transport problem (2/3)	NSC 96-2115-M-110-002-MY3	97/08/01~98/07/31	866,000
黃杰森教授 Chieh-Sen Huang	對流問題之完整局部守恆特徵法(3/3) The fully locally conservative characteristic method for transport problem (3/3)	NSC 96-2115-M-110-002-MY3	98/08/01~99/07/31	581,000
黃杰森教授 Chieh-Sen Huang	二相流問題的局部守恆流線管法 (1/3) A locally conservative streamtube method for a two-phase flow problem (1/3)	NSC 99-2115-M-110-006-MY3	99/08/01~100/07/31	1,181,000
王彩蓮教授 Tsai-Lien Wong	環之線性保持映射(2/2) Linear preserving maps of rings (2/2)	NSC 95-2115-M-110-004	95/08/01~96/07/31	515,000
王彩蓮教授 Tsai-Lien Wong	導算之零核與值域 The kernel and range of derivations	NSC 96-2115-M-110-003	96/08/01~97/07/31	492,000
王彩蓮教授 Tsai-Lien Wong	無窮維空間上的線性保持算子(1/2) linear preservers on infinite dimensional space (1/2)	NSC 97-2115-M-110-004-MY2	97/08/01~98/07/31	515,000
王彩蓮教授 Tsai-Lien Wong	無窮維空間上的線性保持算子(2/2) linear preservers on infinite dimensional space (2/2)	NSC 97-2115-M-110-004-MY2	98/08/01~99/07/31	457,000
王彩蓮教授 Tsai-Lien Wong	點邊賦權問題的研究(1/3) Total weight problems of graphs (1/3)	NSC 99-2115-M-110-001-MY3	99/08/01~100/07/31	477,000
何宗軒教授 Mark C. Ho	由 $\mathcal{C}_0$ 上的對稱模函數所生成的單位碟上的解析函數空間 Spaces of analytic functions on the unit disc generated by symmetric norming functions on $\mathcal{C}_0$	NSC 95-2115-M-110-009	95/08/01~96/07/31	470,000



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何宗軒教授 Mark C. Ho	與斜托普利茲算子交換之有界算子 Operators commuting with slant Toeplitz operators	NSC 96-2115-M-110-006	96/08/01~97/07/31	438,000
何宗軒教授 Mark C. Ho	一個由移算子引出在 $\mathcal{B}(\mathcal{H})$ 上之運動 An action on $\mathcal{B}(\mathcal{H})$ induced by shift	NSC 97-2115-M-110-003	97/08/01~98/07/31	503,000
何宗軒教授 Mark C. Ho	托普利茲與 $\lambda$ -托普利茲算子之間的比較 A comparison between Toeplitz and $\lambda$ -Toeplitz operators	NSC 98-2115-M-110-003	98/08/01~99/07/31	480,000
何宗軒教授 Mark C. Ho	Hardy 空間上之加權組合算子與 $\lambda$ -托普利茲算子 Weighted composition operators on Hardy spaces and $\lambda$ -Toeplitz operators	NSC 99-2115-M-110-002	99/08/01~100/07/31	418,000
董立大教授 Li-Da Tong	定向圖與相關問題 (1/2) Orientations and related problems (1/2)	NSC 95-2115-M-110-012-MY2	95/08/01-96/07/31	751,000
董立大教授 Li-Da Tong	定向圖與相關問題 (2/2) Orientations and related problems (2/2)	NSC 95-2115-M-110-012-MY2	96/08/01-97/07/31	728,000
董立大教授 Li-Da Tong	無圈定向圖的相依邊 (1/2) Dependent arcs of acyclic orientations (1/2)	NSC 97-2628-M-110-009-MY2	97/08/01~98/07/31	1,052,000
董立大教授 Li-Da Tong	無圈定向圖的相依邊 (2/2) Dependent arcs of acyclic orientations (2/2)	NSC 97-2628-M-110-009-MY2	98/08/01~99/07/31	900,000
董立大教授 Li-Da Tong	圖的定向, 著色及其應用 (1/3) Orientation, colorings, and their applications (1/3)	NSC 99-2115-M-110-008-MY3	99/08/01~100/07/31	1,077,000
蔣永延教授 Yungyen Chiang	巴拿赫空間上之補充問題 Complementarity problems in Banach spaces	NSC 95-2115-M-110-011	95/08/01-96/07/31	699,000
蔣永延教授 Yungyen Chiang	希爾伯特空間上之拋物型變換 Parabolic Transformations on Hilbert Spaces	NSC 96-2115-M-110-005	96/08/01-97/07/31	598,000
蔣永延教授 Yungyen Chiang	異常元素族之存在性 Existence of Exceptional Family of Elements	NSC 97-2115-M-110-002	97/08/01~98/07/31	423,000
蔣永延教授 Yungyen Chiang	向量型互補問題 Vector Complementarity Problem	NSC 98-2115-M-110-004	98/08/01~99/07/31	377,000
蔣永延教授 Yungyen Chiang	希爾伯特空間之對稱錐 Symmetric cones in Hilbert spaces	NSC 99-2115-M-110-009	99/08/01~100/07/31	315,000
陳美如教授 May-Ru Chen	一些兩人 red-and-black 賭局的變型問題(1/2) Some variations of two-person red-and-black game(1/2)	NSC 97-2118-M-110-003-MY2	97/09/01~98/07/31	462,000
陳美如教授 May-Ru Chen	一些兩人 red-and-black 賭局的變型問題(2/2) Some variations of two-person red-and-black game(2/2)	NSC 97-2118-M-110-003-MY2	98/08/01~99/07/31	446,000
陳美如教授 May-Ru Chen	與時間相關之廣義 Polya 甕模型 A time-dependent generalized Polya's urn	NSC 99-2118-M-110-003	99/08/01~100/07/31	473,000
鄭彥修教授 Yan-Hsiou Cheng	圖上的奇異函數之節點反演問題 Inverse nodal problem for singular potentials on the graph	NSC 97-2115-M-110-010	97/10/01~98/07/31	295,000
鄭彥修教授 Yan-Hsiou Cheng	週期 p-Laplacian 算子上的 Ambarzumyan 定理及節點反演問題 Ambarzumyan's theorem and inverse nodal problem for the periodic p-Laplacian operator	NSC 98-2115-M-110-006	98/08/01~99/07/31	328,000
張宏鏞教授 Hungyung Chang	Tutte 多項式與 G-停車函數 Tutte polynomial and G-parking function	NSC 98-2115-M-110-009	98/10/01~99/07/31	298,000
張宏鏞教授 Hungyung Chang	圖族的 Tutte 多項式 The Tutte polynomial of some graph families	NSC 99-2115-M-110-005	99/08/01~100/07/31	237,000

# 十一、歷年國外來訪之客座教授

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
1	76	陳宏	美國紐約州立大學石溪分校	U.S.A.	1988/7/4	1988/8/4	迴歸模型	黃文璋
2	78	黃金生	加拿大 Guelph 大學	Canada	1990/2/16	1990/4/30	分佈理論及估計論	黃文璋
3	78	魏武雄	美國 Temple 大學	U.S.A.	1990/7/1	1990/7/31	時間數列分析	羅夢娜
4	79	黃金生	加拿大 Guelph 大學	Canada	1991/5/1	1992/4/30	機率	黃文璋
5	79	孫自健	美國 Wayne State 大學	U.S.A.	1991/5/8	1991/8/7	機率	黃文璋
6	80	陳宏	美國紐約州立大學石溪分校	U.S.A.	1992/1/13	1992/12/31	泛函估計	黃文璋
7	80	邱顯聰	美國科羅拉多州立大學	U.S.A.	1992/5/16	1992/7/16	時間序列	羅夢娜
8	80	彭仲熙	美國約翰霍普金斯大學	U.S.A.	1992/7/1	1992/8/31	變分不等式及互餘性問題	姚任之
9	81	劉家成	美國匹茲堡大學	U.S.A.	1993/5/1	1993/5/8	應用機率及調和分析	羅春光
10	81	劉炯朗	美國伊利諾大學	U.S.A.	1993/5/8	1993/5/12	組合數學, 演算法及即時系統	官大智
11	81	劉弘軌	美國 National Institute of Standard and Technology	U.S.A.	1993/7/4	1993/7/14	品質管制, 資料分析	羅夢娜
12	82	李子才 Zi-Cai Li	加拿大康戈迪亞大學	Canada	1993/8/30	1994/7/31	關數值分析及偏微分方程 數值解	黃文璋
13	82	朱礎豪 Cho-Ho Chu	英國 University of London 英國倫敦大學	United Kingdorm	1993/12/1	1993/12/7	泛函分析及算子理論	黃毅青
14	82	黃友川	香港中文大學 The Chinese University of Hong Kong	Hong Kong	1993/12/6	1993/12/12	泛函分析及算子理論	黃毅青
15	82	越昭三	日本宇都宮大學	Japan	1993/12/8	1993/12/17	泛函分析及算子理論	黃毅青
16	83	白志東 Zhidong Bai	美國 Temple 大學	U.S.A.	1994/10/1	1997/7/31	機率論	黃文璋
17	83	Bryce McLeod	美國匹茲堡大學	U.S.A.	1994/11/1	1994/12/19	應用分析	羅春光
18	83	J. W. Silverstein	美國北卡羅萊納州州立大學	U.S.A.	1994/12/10	1995/1/10	高微隨機矩陣之譜分析	白志東
19	83	劉家成	美國匹茲堡大學	U.S.A.	1995/1/4	1995/4/3	調和分析及偏微分方程	羅春光
20	83	朱礎豪 Cho-Ho Chu	英國 University of London 英國倫敦大學	United Kingdorm	1995/1/5	1995/1/9	泛函分析及算子理論	黃毅青
21	83	T. D. Bui	加拿大康戈迪亞大學	Canada	1995/2/24	1995/2/27	常微分方程	李子才
22	83	J. G. Babu	美國賓州州立大學	U.S.A.	1995/6/15	1995/6/30	bootstrap 及 edgeworth 展開 有關之專題演講	白志東
23	83	蔡偉彥	美國哥倫比亞大學生物統計系	U.S.A.	1995/7/1	1995/8/15	不完全數據分析	羅夢娜
24	84	朱緒鼎 Xuding Zhu	加拿大卡爾加里大學	Canada	1995/10/1	1997/1/31	離散數學	官大智
25	84	李炳仁	中國科學院數學研究所	China	1995/10/25	1996/2/24	算子代數	黃毅青
26	84	J. W. Silverstein	美國北卡羅萊納州州立大學	U.S.A.	1995/12/28	1995/12/30	高維隨機矩陣之譜分析	白志東
27	84	石鐘慈	中國科學院計算數學研究所	China	1996/2/26	1996/3/25	有限元素法及多重網格法	李子才
28	84	繆柏其 Bai Qi Miao	中國科學技術大學統計與金融 系 (University of Science and Technology of China)	China	1996/2/27	1996/6/26	極限理論 limited theory	白志東
29	84	黎景輝 King Fai Lai	澳洲雪梨大學數學系	Australia	1996/4/4	1996/4/9	代數及分析數論	黃毅青
30	84	郝彬	美國加州大學柏克萊分校	U.S.A.	1996/7/14	1996/7/20	資料離散化及隨機複雜性	黃文璋
31	84	韓亮	美國明尼蘇達大學	U.S.A.	1996/7/22	1996/7/29	密碼學	官大智

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
32	85	Pavol Hell	加拿大 Simon Fraser University, Burnaby, School of Computing Science	Canada	1996/11/24	1996/11/30	graph theory, algorithm complexity	朱緒鼎
33	85	汪崧 Song Wang	澳洲 Curtin University of Technology	Australia	1997/1/11	1997/2/7	numerical analysis	李子才
34	85	林群	中國科學院系統科學研究所	China	1997/4/7	1997/5/6	參加南區科學計算系列研討會	李子才
35	85	安鴻志	中國科學院應用數學研究所	China	1997/4/29	1997/5/29	時間序列	郭美惠
36	86	孫靖夷	加拿大康戈迪亞大學，加拿大皇家院士	Canada	1998/2/14	1998/2/19	手抄體之電腦識別	李子才
37	86	蔡雷震	香港中文大學資訊工程系	Hong Kong	1998/3/15	1998/3/28	圖論及演算法	朱緒鼎
38	87	Adam Idzik	波蘭 Polism Academy of Sciences, Institute of Computer Science	Poland	1998/11/29	1998/12/13	nonlinear analysis	姚任之
39	87	Lawrence G. Brown	美國 Purdue University, Center for Applied Math.(美國普渡大學數學系)	U.S.A.	1998/12/5	1999/1/3	泛函分析及算子代數理論	黃毅青
40	87	汪崧 Song Wang	澳洲 Curtin University of Technology	Australia	1998/12/19	1998/12/26	numerical analysis	李子才
41	87	Jim Douglas Jr.	美國 Purdue University, Center for Applied Math.(美國普渡大學數學系)	U.S.A.	1999/2/23	1999/3/8	numerical analysis, PDEs	黃杰森
42	87	Wolfgang Bischoff	德國 Karlsruhe 大學	Germany	1999/3/4	1999/3/30	最適設計方法	羅夢娜
43	87	Ismail	美國 University of South Florida	U.S.A.	1999/5/6	1999/5/16	參加南區科學計算系列研討會	呂宗澤
44	88	楊曉琪	香港理工大學	Hong Kong	1999/8/16	1999/8/27	參加向量最佳化研討會	姚任之
45	88	蔡英士 Yung-Sze Choi	美國 University of Connecticut, Dept. of Math.	U.S.A.	2000/1/4	2000/1/13	偏微分方程	羅春光
46	88	Yakov Alber	以色列 Technion-Isreal Institute of Technology, Dept. of Math.	Israel	2000/1/15	2000/2/23	banach space geometry, nonlinear analysis	姚任之
47	88	Adam Stanislaw Idzik	波蘭科學院資訊科學所	Poland	2000/2/27	2000/3/18	計算, 非線性分析	姚任之
48	88	Arjun Gupta	美國 Bowling Green State Univ. 數學系	U.S.A.	2000/5/1	2000/6/30	statistics	羅夢娜
49	88	Gheorghe Isac	加拿大 Royal Military College	Canada	2000/5/2	2000/5/22	Leray-Schauder type alternative	姚任之
50	88	Claude Tardif	加拿大 Univ. of Regina 數學系	Canada	2000/5/11	2000/5/24	graph theory	朱緒鼎
51	88	常謙順	中國科學院應用數學研究所	China	2000/6/20	2000/7/4	數值分析	李子才
52	89	李炳仁	中國科學院數學研究所	China	2000/10/31	2001/2/28	算子代數	黃毅青
53	89	王維凡	中國遼寧大學數學系	China	2000/11/3	2000/11/17	圖論, 組合數學	朱緒鼎
54	89	劉德芬	美國加州大學數學系	U.S.A.	2000/12/13	2000/12/21	圖論, 組合數學	朱緒鼎
55	89	蔡偉彥	美國哥倫比亞大學生物統計系	U.S.A.	2001/1/6	2001/1/12	生物統計	羅夢娜
56	89	蔡英士 Yung-Sze Choi	美國 University of Connecticut, Dept. of Math.	U.S.A.	2001/1/8	2001/1/12	偏微分方程	羅春光
57	89	許莒樑	美國 University of Kansas 數學系	U.S.A.	2001/2/14	2001/2/27	算子代數	黃毅青
58	89	何文杰	中國河北工業大學數學系	China	2001/5/2	2001/7/2	graph theory	朱緒鼎
59	89	Aussel Didier	法國 University of Perpignan	France	2001/5/7	2001/5/28	nonsmooth analysis, generalized convexity	姚任之
60	89	Adam Idzik	波蘭 Polism Academy of Sciences, Institute of Computer Science	Poland	2001/5/9	2001/6/7	nonlinear analysis	姚任之

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
61	89	Steen Andersson	美國 Indiana University Bloomington, Dept. of Math.	U.S.A.	2001/5/18	2001/6/2	statistics	羅夢娜
62	89	余德浩	中國北京中國科學院計算數學 與科學／工程計算所	China	2001/6/7	2001/6/11	數值分析, 科學計算	李子才
63	89	周愛輝	中國北京中國科學院計算數學 與科學／工程計算所	China	2001/6/18	2001/7/8	數值分析, 科學計算	李子才
64	89	常謙順	中國北京中國科學院應用數學 研究所	China	2001/7/17	2001/7/23	數值分析, 科學計算	李子才
65	90	Reza Naserasr	加拿大 Simon Fraser University	Canada	2001/9/2	2001/10/30	graph theory	朱緒鼎
66	90	阮忠進 Zhang-Jin, Ruan	美國伊利諾州大學香檳分校數 學系	U.S.A.	2001/9/22	2001/10/5	泛函分析, 算子代數	黃毅青
67	90	劉道明 Anthony To-ming Lau	加拿大 University of Alberta, Dept. of Math.	Canada	2001/10/20	2001/10/28	泛函分析, 調和分析	黃毅青
68	90	吳志堅	美國 Alabama 州立大學數學系	U.S.A.	2001/12/8	2001/12/15	complex analysis, functional analysis, operator theory	何宗軒
69	90	葛力明 Liming Ge	美國 University of New Hampshire	U.S.A.	2001/12/10	2001/12/14	算子代數, 自由機率論	黃毅青
70	90	張智民	美國 Wayne State University, Dept. of Math.	U.S.A.	2001/12/14	2001/12/20	數值分析	李子才
71	90	Yakov Alber	以色列 Technion-Isreal Institute of Technology, Dept. of Math.	Israel	2001/12/18	2001/12/31	banach space geometry, nonlinear analysis	姚任之
72	90	李松鷹 Song-ying Li	美國 University of California Irvine, Dept. of Math.	U.S.A.	2001/12/21	2002/1/5	partial differential equations, complex analysis	羅春光
73	90	陳漢夫	香港中文大學數學系	Hong Kong	2001/12/29	2002/1/4	數值分析	呂宗澤
74	90	黃艾香	中國西安交通大學理學院數學 系	China	2002/1/2	2002/1/5	數值分析, 科學計算	李子才
75	90	李開泰	中國西安交通大學理學院數學 系	China	2002/1/2	2002/1/5	數值分析, 科學計算	李子才
76	90	Jim Douglas Jr.	美國 Purdue University, Center for Applied Math.(美國普渡大 學數學系)	U.S.A.	2002/4/23	2002/5/1	numerical analysis, PDEs	黃杰森
77	90	郭本琦	加拿大 University of Manitoba, Winnipeg	Canada	2002/5/6	2002/5/10	數值分析	李子才
78	90	洪盟凱	美國 UCLA 數學系	U.S.A.	2002/5/14	2002/5/16	偏微分方程	羅春光
79	90	Qamrul Hasan Ansari	印度 Aligarh Muslim University, Aligarh, Dept. of Math.	India	2002/5/16	2002/6/18	nonlinear analysis, optimization	姚任之
80	90	孫智偉	中國南京大學數學系	China	2002/5/27	2002/5/30	組合數學, 數論	朱緒鼎
81	90	李才恆	澳洲 The University of Western Australia	Australia	2002/6/9	2002/6/14	群論, 圖論	朱緒鼎
82	91	Todd James Arbogast	美國 The University of Texas at Austin, Dept. of Math.	U.S.A.	2002/8/2	2002/8/13	numerical analysis	黃杰森
83	91	To Fu Ma	巴西 University Estadual de Maringa Brazil, Dept. of Math.	Brazil	2002/8/26	2002/8/28	微分方程	呂宗澤
84	91	Friedrich Pukelsheim	德國 University of Augsburg, Institute of Math.	Germany	2002/9/22	2002/9/28	design of experiments	羅夢娜
85	91	Thomas Klein	德國 University of Augsburg, Dept. of Math.	Germany	2002/10/4	2002/10/13	design of experiments	羅夢娜
86	91	梁子威	香港中文大學數學系	Hong Kong	2002/12/1	2002/12/8	泛函分析	黃毅青
87	91	汪崧 Song Wang	澳洲 The University of Western Australia	Australia	2002/12/22	2002/12/28	numerical analysis	黃杰森
88	91	Adam Idzik	波蘭 Polism Academy of Sciences, Institute of Computer Science	Poland	2003/2/7	2003/2/27	nonlinear analysis	姚任之

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
89	91	蔡英士 Yung-Sze Choi	美國 University of Connecticut, Dept. of Math.	U.S.A.	2003/2/21	2003/2/24	偏微分方程	羅春光
90	91	王昌逸	美國密西根州立大學數學系	U.S.A.	2003/3/1	2003/6/30	擾動理論, 應用數學	呂宗澤
91	91	黃文玲	德國 University of Hamburg	Germany	2003/3/4	2003/3/6	geometry and algebra	董立大
92	91	Peter Serl	斯洛維尼亞 University of Ljubljana	Slovenia	2003/3/16	2003/3/17	泛函分析, 算子理論	黃毅青
93	91	李宗祐	美國 University of Maryland	U.S.A.	2003/4/11	2003/4/18	probability	羅春光
94	92	丁協平 Xieping Ding	中國四川師範大學數學與軟體 科學學院	China	2003/9/15	2003/10/18	非線性分析及應用	姚任之
95	92	Thomas Klein	德國 University of Augsburg, Dept. of Math.	Germany	2003/9/27	2003/10/11	design of experiments	羅夢娜
96	92	K. Jarosz	美國南伊利諾州大學	U.S.A.	2003/11/13	2003/11/26	dharacterization of multiplicative linear functionals	黃毅青
97	92	秦玉明	中國河南大學數學系	China	2003/12/10	2003/12/19	偏微分方程	呂宗澤
98	92	Jim Douglas Jr	美國 Purdue University, Center for Applied Math.(美國普渡大 學數學系)	U.S.A.	2003/12/14	2003/12/19	numerical analysis, PDEs	黃杰森
99	92	張福基	中國廈門大學數學系	China	2004/5/21	2004/5/23	圖論, 組合數學	朱緒鼎
100	92	Siegfried Schaible	美國 University of California, Riverside, Graduate Shool of Management	U.S.A.	2004/5/22	2004/5/31	equilibrium problems, variational inequalities	姚任之
101	93	洪淵	中國上海華東師範大學	China	2004/9/7	2004/11/5	圖論, 組合數學	朱緒鼎
102	93	白志東 Zhidong Bai	新加坡 National University of Singapore 統計與應用概率系	Singapore	2004/9/19	2004/9/23	機率論	郭美惠
103	93	Sandi Klavear	斯洛維尼亞 University of Maribor	Slovenia	2004/9/22	2004/10/1	graph theory	朱緒鼎
104	93	Shigeru Sakaguchi	日本 Ehime University	Japan	2004/10/30	2004/11/4	微分方程	羅春光
105	93	黎景輝 King Fai Lai	澳洲雪梨大學數學系	Australia	2004/11/1	2004/11/21	分析及數論	黃毅青
106	93	Wieslaw Zelazko	波蘭 Polish Academy of Sciences, Institue of Mathematical	Poland	2004/11/10	2004/11/17	functional analysis	黃毅青
107	93	定光桂	中國南開大學數學學院	China	2004/12/1	2004/12/29	泛函分析	黃毅青
108	93	Daniel Kral	德國 Technical University of Berlin of Germany	Germany	2004/12/5	2004/12/21	graph theory	朱緒鼎
109	93	吳志堅	美國 Alabama 州立大學數學系	U.S.A.	2004/12/13	2004/12/16	complex analysis, functional analysis, operator theory	何宗軒
110	93	吳志強	中國南開大學數學學院	China	2004/12/24	2005/1/5	算子代數, 泛函分析	黃毅青
111	93	Andre Raspaud	法國 Universite Bordeaux I, LaBRI	France	2005/1/8	2005/1/28	graph theory	朱緒鼎
112	93	汪崧 Song Wang	澳洲 The University of Western Australia	Australia	2005/1/17	2005/1/29	微分方程, 數值分析	黃杰森
113	93	Siegfried Schaible	美國 University of California, Riverside, Graduate Shool of Management	U.S.A.	2005/3/20	2005/3/26	equilibrium problems, variational inequalities	姚任之
114	93	邵沙麗 Shally Shao	美國 Cleveland State University	U.S.A.	2005/4/30	2005/5/7	微分方程, 數值分析	羅春光
115	93	丁協平 Xieping Ding	中國四川師範大學數學與軟件 科學學院	China	2005/5/21	2005/6/20	非線性分析及應用	姚任之
116	93	陳新富	美國匹茲堡大學數學系	U.S.A.	2005/5/31	2005/6/4	微分方程	羅春光
117	93	Thomas Klein	德國 University of Augsburg, Dept. of Math.	Germany	2005/6/18	2005/7/1	design of experiments	羅夢娜

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
118	93	魏益民 Yimin Wei	中國上海復旦大學數學系	China	2005/6/27	2005/7/26	廣義反矩陣, 矩陣理論與計算	呂宗澤
119	93	Qamrul Hasan Ansari	印度 Aligarh Muslim University Aligarh, Dept. of Math.	India	2005/7/5	2005/7/8	nonlinear Analysis, optimization	姚任之
120	94	Guyla Katona	匈牙利 Alfred Renyi 數學研究所	Hungary	2005/10/5	2005/10/7	組合數學	朱緒鼎
121	94	黃南京	中國四川大學數學系	China	2005/10/10	2005/10/30	優化理論及應用	姚任之
122	94	楊重駿	香港科技大學數學系	Hong Kong	2005/12/8	2005/12/11	複變函數論	黃毅青
123	94	Pavol Hell	加拿大 Simon Fraser University, Burnaby, School of Computing Science	Canada	2005/12/9	2005/12/12	graph theory, algorithm complexity	朱緒鼎
124	94	梅茗 Ming Mei	加拿大 Concordia University, Dept. of Math. & Statistics	Canada	2005/12/11	2005/12/15	微分方程	系教評會
125	94	Mike Albertso	美國 Smith College	U.S.A.	2005/12/11	2005/12/12	graph theory	朱緒鼎
126	94	Jim Douglas Jr.	美國 Purdue University, Center for Applied Math.(美國普渡大學數學系)	U.S.A.	2005/12/11	2005/12/14	numerical analysis, PDEs	黃杰森
127	94	Claude Tardif	法國 Royal Military College	France	2005/12/19	2005/12/27	graph theory	朱緒鼎
128	94	Douglas West	美國 University of Illinois, Urbana	U.S.A.	2005/12/19	2005/12/22	graph theory	朱緒鼎
129	94	徐洪坤 Hong-Kun Xu	南非 University of Kwazulu Natal, Mathematical Sciences	South Africa	2005/12/20	2005/12/22	財務數學及分析	系教評會
130	94	黃光明 Frank Hwang	已退休	U.S.A.	2006/1/2	2006/1/6	圖論, 網路	朱緒鼎
131	94	Andre Raspaud	法國 Universite Bordeaux I, LaBRI	France	2006/1/5	2006/1/14	graph theory	朱緒鼎
132	94	蔡英士 Yung-Sze Choi	美國 University of Connecticut, Dept. of Math.	U.S.A.	2006/1/6	2006/1/8	偏微分方程	羅春光
133	94	林文松 Wensong Lin	中國東南大學數學系	China	2006/1/19	2006/2/20	graph theory	朱緒鼎
134	94	楊大慶 Daqing Yang	中國福州大學軟件學院	China	2006/1/19	2006/2/20	graph theory	朱緒鼎
135	94	張石生	中國四川大學數學系	China	2006/2/7	2006/3/5	非線性泛函分析	姚任之
136	94	汪崧 Song Wang	澳洲 The University of Western Australia	Australia	2006/2/15	2006/6/30	微分方程, 數值分析	黃杰森
137	94	Nguyen Don Yen	越南 Vietnamese Academy of Science and Technology, Institute of Math.	Vietnam	2006/3/2	2006/3/30	optimization theory, nonsmooth analysis, set-valued analysis.	姚任之
138	94	Vyacheslav Pyvovarchyk	烏克蘭 South-Ukrainian State Pedagogical University, Odessa, Dept. of Applied Math. and Info.	Ukraine	2006/3/14	2006/3/27	inverse Sturm-Liouville problems, applied analysis	羅春光
139	94	Vladimir Ramanov	俄羅斯 Sobolev Institute of Mathematics	Russia	2006/3/29	2006/4/25	differential equations, inverse problems	羅春光
140	94	朱礎豪 Cho-Ho Chu	英國 University of London 英國倫敦大學	United Kingdom	2006/3/31	2006/4/15	泛函分析及算子理論	黃毅青
141	94	呂濤 Lu Tao	中國四川大學理學院	China	2006/4/15	2006/5/14	數值分析	李子才
142	94	Wolfgang Härdle	德國 Humboldt-Universität zu Berlin, Center for Applied Statistics and Economics (德國洪堡大學)	Germany	2006/4/17	2006/7/22	statistics	郭美惠
143	94	岳榮先 Rong Xian Yue	中國上海師範大學數理信息學院	China	2006/4/27	2006/5/7	statistics	姚任之

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
144	94	徐生涵 Sheng Han Xu	中國上海師範大學數理信息學院	China	2006/4/27	2006/5/7	拓撲理論	姚任之
145	94	朱德通 Zhu De Tong	中國上海師範大學數理信息學院	China	2006/4/27	2006/5/7	數值演算法	姚任之
146	94	張寄洲 Zhang Ji Zhou	中國上海師範大學數理信息學院	China	2006/4/27	2006/5/7	微分方程	姚任之
147	94	曾六川 Lcuhuan Ceng	中國上海師範大學數理信息學院	China	2006/4/27	2006/5/7	非線性分析	姚任之
148	94	王長鈺 Changyu Wang	中國山東曲阜師範大學運籌研究所	China	2006/5/3	2006/5/14	運籌學, 非線性規劃	姚任之
149	94	Giandomenico Mastroeni	義大利 University of Pisa, Dept. of Math.	Italy	2006/5/18	2006/5/28	variational inequalities, optimization problems	姚任之
150	94	李志光 Chi-Kwong Li	美國 College of William and Mary, Dept. of Math.	U.S.A.	2006/5/24	2006/5/27	線性代數及涵泛分析	黃毅青
151	95	Wieslaw Zelazko	波蘭 Polish Academy of Sciences, Institue of Mathematical	Poland	2006/8/4	2006/8/19	functional analysis	黃毅青
152	95	Nguyen Don Yen	越南 Vietnamese Academy of Science and Technology, Institute of Math.	Vietnam	2006/8/1	2006/12/28	optimization theory, nonsmooth analysis, set-valued analysis.	姚任之
153	95	Siegfried Schaible	美國 University of California, Riverside, Graduate Shool of Management	U.S.A.	2006/8/22	2006/9/12	equilibrium problems, variational inequalities	姚任之
154	95	Yakov Alber	以色列 Technion-Isreal Institute of Technology, Dept. of Math.	Israel	2006/10/5	2006/11/6	banach space geometry, nonlinear analysis	姚任之
155	95	丁協平 Xieping Ding	中國四川師範大學數學與軟件科學學院	China	2006/10/24	2006/11/23	非線性分析及應用	姚任之
156	95	梁浩瀚 Denny Leung	新加坡 National University of Singapore 數學系	Singapore	2006/10/28	2006/11/11	泛函分析	黃毅青
157	95	Jinlu Li	美國 Shawnee State University, Dept. of Math.	U.S.A.	2006/12/3	2006/12/17	nonlinear analysis, fixed point theory	姚任之
158	95	黎景輝 King Fai Lai	澳洲雪梨大學數學系	Australia	2006/12/3	2007/12/31	分析及數論	黃毅青
159	95	白志東 Zhidong Bai	新加坡 National University of Singapore 統計與應用概率系	Singapore	2006/12/18	2006/12/26	機率論	郭美惠
160	95	鄒軍 Jun Zou	香港中文大學數學系	Hong Kong	2006/12/18	2006/12/24	數值分析, 反問題	羅春光
161	95	魏軍城 Juncheng Wei	香港中文大學數學系	Hong Kong	2006/12/21	2006/12/24	偏微分方程	羅春光
162	95	Jie Sun	新加坡 National University of Singapore 統計與應用概率系	Singapore	2007/1/5	2007/1/12	最佳化	姚任之
163	95	Alexander Kostochka	美國 University of Illinois at Urbana-Champaign, and Sobolev Institute of Math	U.S.A.	2007/1/5	2007/1/15	graph theory	朱緒鼎
164	95	Thomas Russell	美國 National Science Foundation, Division of mathematical sciences	U.S.A.	2007/1/16	2007/1/23	數值分析	黃杰森
165	95	Andre Raspaud	法國 Universite Bordeaux I, LaBRI	France	2007/2/6	2007/2/28	graph theory	朱緒鼎
166	95	Arnaud Pecher	法國 Universite Bordeaux I, LaBRI	France	2007/2/14	2007/2/28	graph theory	朱緒鼎
167	95	Adrian Olimpiu Petrusel	羅馬尼亞 Babes-Bolyai University, Cluj-Napoca, Faculty of Math. and Computer Science	Romania	2007/3/1	2007/5/30	nonlinear operators and applications	姚任之



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168	95	Surgey Norine	美國 Georgia Institute of Technology	U.S.A.	2007/3/11	2007/3/23	graph theory	朱緒鼎
169	95	Peter Horak	美國 University of Washington, Tacoma	U.S.A.	2007/3/16	2007/3/29	graph theory	朱緒鼎
170	95	Tamaki Tanaka	日本 Niigata University, Graduate School of Science and Technology	Japan	2007/3/23	2007/3/24	nonlinear analysis, convex analysis	姚任之
171	95	Siegfried Schaible	美國 University of California, Riverside, Graduate School of Management	U.S.A.	2007/4/14	2007/4/17	equilibrium problems, variational inequalities	姚任之
172	95	Viatcheslav Yurko	俄羅斯 Saratov State University	Russia	2007/5/3	2007/5/6	inverse problems, differential equations	羅春光
173	95	Boris Mordukhovich	美國 Wayne State University	U.S.A.	2007/5/22	2007/6/11	generalized differentiation, optimization, nonlinear analysis	姚任之
174	95	劉道明 Anthony To-ming Lau	加拿大 University of Alberta, Dept. of Math.	Canada	2007/5/24	2007/5/30	泛函分析, 調和分析	黃毅青
175	95	李冲 Chong Li	中國浙江大學數學系 Zhejiang University	China	2007/5/29	2007/6/8	approximation theory, numerical analysis	徐洪坤
176	95	Genaro Lopez Acedo	西班牙 University of Seville	Spain	2007/6/5	2007/6/12	nonlinear functional analysis	徐洪坤
177	95	金小慶 Xiao-Qing Jin	中國澳門大學 University of Macau	China	2007/6/7	2007/6/12	numerical analysis	徐洪坤
178	95	譚聯輝 Luen-Fai Tam	香港中文大學 The Chinese University of Hong Kong	China	2007/6/15	2007/6/18	幾何分析, 微分方程	羅春光
179	95	周三明 Zhou Sanming	澳洲 University of Melbourne	Australia	2007/6/19	2007/6/22		朱緒鼎
180	95	許躍生 Yuesheng Xu	美國雪城大學	U.S.A.	2007/6/20	2007/6/24	numerical analysis, computational mathematics	呂宗澤
181	95	魏益民 Yimin Wei	中國上海復旦大學數學系	China	2007/6/21	2007/7/1	廣義反矩陣, 矩陣理論與計算	呂宗澤
182	95	楊宏奇 Hongqi Yang	中國廣州中山大學科學計算與計算機應用系	China	2007/6/22	2007/6/26	numerical analysis, computational mathematics	呂宗澤
183	95	楊力華 Lihua Yang	中國廣州中山大學科學計算與計算機應用系	China	2007/6/22	2007/6/26	numerical analysis, computational mathematics	呂宗澤
184	95	關履泰 Lutai Guan	中國廣州中山大學科學計算與計算機應用系	China	2007/6/22	2007/6/26	numerical analysis, computational mathematics	呂宗澤
185	95	陳仲英 Zhongying Chen	中國廣州中山大學科學計算與計算機應用系	China	2007/6/22	2007/6/26	numerical analysis, computational mathematics	呂宗澤
186	95	鄒青松 Qingsong Zou	中國廣州中山大學科學計算與計算機應用系	China	2007/6/22	2007/6/26	numerical analysis, computational mathematics	呂宗澤
187	95	Wolfgang Härdle	德國 Humboldt-Universität zu Berlin, Center for Applied Statistics and Economics (德國洪堡大學)	Germany	2007/6/21	2007/7/4	statistics	郭美惠
188	95	吳建福	美國 Georgia Institute of Technology, School of Industrial and Systematic Engineering	U.S.A.	2007/6/30	2007/7/2	統計, 工業工程	羅夢娜
189	95	林文松 Wensong Lin	中國東南大學數學系	China	2007/6/30	2007/7/23	graph theory	朱緒鼎
190	95	楊大慶 Daqing Yang	中國福州大學軟件學院	China	2007/6/30	2007/7/23	graph theory	朱緒鼎

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191	95	Nguyen Manh Hung	越南 National Hanoi University of Education, Dept. of Math.	Vietnam	2007/7/1	2007/7/31	partial differential equations	姚任之
192	95	Valeri Obukhovskii	俄羅斯 Voronezh State University, School of Math.	Russia	2007/7/8	2007/8/6	topological methods of nonlinear analysis, set-valued analysis	姚任之
193	95	Todd James Arbogast	美國 The University of Texas at Austin, Dept. of Math.	U.S.A.	2007/7/14	2007/7/27	numerical analysis	黃杰森
194	95	Rais Ahmed	印度 Aligarh Muslim University, Aligarh	India	2007/7/25	2007/8/25	applied functional analysis, variational inequalities	姚任之
195	96	Qamrul Hasan Ansari	印度 Aligarh Muslim University, Aligarh, Dept. of Math.	India	2007/8/1	2007/8/15	nonlinear Analysis, optimization	姚任之
196	96	黃啟南 Kainam Thomas Wong	香港 Hong Kong Polytechnic University	Hong Kong	2007/8/6	2007/8/9	statistical signal processing for wireless communications	郭美惠
197	96	黃學祥 Xuexiang Huang	中國上海復旦大學管理學院	China	2007/8/6	2007/9/2	optimization	姚任之
198	96	陳光亞 Guang-Ya Chen	中國科學院系統科學研究所	China	2007/8/13	2007/9/12	vector optimization	姚任之
199	96	Nguyen Don Yen	越南 Vietnamese Academy of Science and Technology, Institute of Math.	Vietnam	2007/8/16	2008/3/15	optimization theory, nonsmooth analysis, set-valued analysis.	姚任之
200	96	Eiji Yanagida	日本 Tohoku University, Sendai, Mathematics Institute	Japan	2007/8/30	2007/9/8	partial differential equations	羅春光
201	96	龔循華 Xunhua Gong	中國南昌大學數學系	China	2007/8/31	2007/9/28	optimization	姚任之
202	96	Siegfried Schaible	美國 University of California, Riverside, Graduate School of Management	U.S.A.	2007/9/12	2007/12/7	equilibrium problems, variational inequalities	姚任之
203	96	Nicolas Hadjisavvas	希臘 University of the Aegean, Dept. of Product and Systems Design Engineering	Greece	2007/9/18	2008/1/18	optimization	姚任之
204	96	白志東 Zhidong Bai	新加坡 National University of Singapore 統計與應用概率系	Singapore	2007/9/22	2007/9/30	機率論	郭美惠
205	96	Marc Teboulle	以色列 Tel-Aviv University	Israel	2007/9/23	2007/10/12	optimization	姚任之
206	96	Mauro Passacantando	義大利 University of Pisa, Dept. of Applied Math.	Italy	2007/9/30	2007/10/12	optimization, variational inequalities	姚任之
207	96	Barbara Panucchi	義大利 University of Pisa, Dept. of Applied Math.	Italy	2007/9/30	2007/10/12	optimization, variational inequalities	姚任之
208	96	Mark Rosenfeld	美國 University of Washington Tacoma, Computer Science, Computing and Software Systems Program	Israel	2007/10/23	2007/11/1	graph theory	朱緒鼎
209	96	黃起常 Chi Song Wong	加拿大 University of Windsor, Windsor, Ontario	Canada	2007/11/18	2007/11/24	mathematics and statistics	羅夢娜
210	96	Wataru Takahashi	日本東京工業大學	Japan	2007/11/21	2007/11/25	非線性分析	姚任之
211	96	倪仁興	中國紹興大學數學系	China	2007/11/19	2007/11/26	非線性分析	姚任之
212	96	李沖 Chong Li	中國浙江大學數學系 Zhejiang University	China	2007/12/3	2007/12/8	approximation theory, numerical analysis	姚任之
213	96	Hari M. Srivastava	加拿大 University of Victoria, Dept. of Math. and Statistics	Canada	2007/12/6	2007/12/7	analysis	姚任之
214	96	Rekha Srivastava	加拿大 University of Victoria, Dept. of Math. and Statistics	Canada	2007/12/6	2007/12/7	analysis	姚任之
215	96	Eiji Yanagida	日本 Tohoku University, Sendai, Mathematics Institute	Japan	2007/12/17	2007/12/21	partial differential equations	羅春光

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216	96	蔡英士 Yung-Sze Choi	美國 University of Connecticut, Dept. of Math.	U.S.A.	2008/1/1	2008/1/7	偏微分方程	羅春光
217	96	Subrahmanian Panchapakesan	美國 Southern Illinois University, Carbondale, Dept. of Math.	U.S.A.	2008/1/1	2008/1/7	重要決策理論	張福春
218	96	Pavol Hell	加拿大 Simon Fraser University, Burnaby, School of Computing Science	Canada	2008/1/8	2008/2/7	graph theory, algorithm complexity	朱緒鼎
219	96	Andre Raspaud	法國 Universite Bordeaux I, LaBRI	France	2008/1/18	2008/1/31	graph theory	朱緒鼎
220	96	Arnaud Pecher	法國 Universite Bordeaux I, LaBRI	France	2008/1/18	2008/1/31	graph theory	朱緒鼎
221	96	Mickael Montassier	法國 Universite Bordeaux I, LaBRI	France	2008/1/18	2008/1/31	graph theory	朱緒鼎
222	96	李松鷹 Song-ying Li	美國 University of California, Irvine, Dept. of Math.	U.S.A.	2008/2/14	2008/2/28	partial differential equations, complex analysis	羅春光
223	96	田中環 Tamaki Tanaka	日本 Niigata University, Dept. of Math.(日本新潟大學數學 系)	Japan	2008/3/4	2008/4/1	優化理論 optimization	姚任之
224	96	Vyacheslav Pyvovarchyk	烏克蘭 South-Ukrainian State Pedagogical University, Odessa, Dept. of Applied Math. and Info.	Ukraine	2008/3/17	2008/4/5	inverse Sturm-Liouville problems, applied analysis	羅春光
225	96	Wolfgang Bischoff	德國 Catholic University of Eichstätt-Ingolstadt	Germany	2008/3/22	2008/4/5	probability, statistics	羅夢娜
226	96	Juan Enrique Martinez-Legaz	西班牙 Universitat Autonoma de Barcelona	Spain	2008/3/31	2008/4/28	economics, optimization	姚任之
227	96	Pando Georgiev	美國 University of Cincinnati(美國辛辛那提大學 數學系)	U.S.A.	2008/4/2	2008/6/1	nonlinear analysis, optimization	姚任之
228	96	劉道明 Anthony To-Ming Lau	加拿大 University of Alberta, Dept. of Math.	Canada	2008/4/28	2008/5/10	泛函分析, 調和分析	黃毅青
229	96	鄭清水 Ching-Shui Cheng	美國 University of California, Berkeley (美國加州大學柏克 萊分校)	U.S.A.	2008/6/1	2008/7/5	statistics, combinatorial theory	羅夢娜
230	96	李冲 Chong Li	中國浙江大學數學系 Zhejiang University	China	2008/7/21	2008/8/30	approximation theory, numerical analysis	姚任之
231	96	Valeri Obukhovskii	俄羅斯 Voronezh State University, School of Math.	Russia	2008/7/25	2008/8/20	topological methods of nonlinear analysis, set-valued analysis	姚任之
232	97	Nguyen Manh Hung	越南 National Hanoi University of Education, Dept. of Math.	Vietnam	2008/8/10	2008/9/10	partial differential equations	姚任之
233	97	繆柏其 Bai Qi Miao	中國科學技術大學統計與金融 系 (University of Science and Technology of China)	China	2008/8/22	2008/8/26	極限理論 limited theory	郭美惠
234	97	陳文憲 Robert W. Chen	美國 University of Miami, Dept. of Math.	U.S.A.	2008/9/15	2009/1/20	probability theory, mathematical finance	郭美惠
235	97	余岐青 Qiqing Yu	美國 Binghamton University, Dept. of Mathematical Sciences (State University of New York )	U.S.A.	2008/9/15	2009/1/15	survival analysis, decision theory	黎進三
236	97	Nicolas Hadjisavvas	希臘 University of the Aegean, Dept. of Product and Systems Design Engineering	Greece	2008/9/15	2009/1/15	optimization	姚任之
237	97	Nguyen Don Yen	越南 Vietnamese Academy of Science and Technology, Institute of Math.	Vietnam	2008/9/18	2009/7/17	optimization theory, nonsmooth analysis, set-valued analysis.	姚任之
238	97	Wolfgang Härdle	德國 Humboldt-Universität zu Berlin, Center for Applied Statistics and Economics (德國 洪堡大學 )	Germany	2008/9/29	2008/10/5	statistics	郭美惠

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239	97	Martin Skoviera	斯洛伐克 Comenius University, Bratislava, Dept. of Computer Science	Slovakia	2008/9/30	2008/10/25	graph theory, symmetries of combinational structures	朱緒鼎
240	97	黎景輝 King Fai Lai	澳洲雪梨大學數學系 The University of Sydney, Australia	Australia	2008/11/1	2008/11/30	analysis, number theory	黃毅青
241	97	宋文 Wen Song	中國哈爾濱師範大學 Harbin Normal University	China	2008/11/3	2008/12/3	nonlinear analysis, optimization	姚任之
242	97	Giandomenico Mastroeni	義大利 University of Pisa, Dept. of Math.	Italy	2008/11/25	2008/12/14	variational inequalities, optimization problems	姚任之
243	97	Boris Mordukhovich	美國 Wayne State University	U.S.A.	2008/11/27	2008/12/25	optimal control	姚任之
244	97	Prof. Larry Shepp (Lawrence A Shepp)	美國 Rutgers University,U.S.A., Dept. of Statistics	U.S.A.	2008/11/26	2008/11/28	probability, statistics, tomography, financial statistics	郭美惠
245	97	Zang-Hee Cho	韓國 Gachon Medical School, Inchon, Korea, Neuroscience Research Institute	Korea	2008/11/27	2008/11/28	tomography	郭美惠
246	97	張德健 Der-Chen Chang	美國 Georgetown University	U.S.A.	2008/12/7	2008/12/25	harmonic analysis	姚任之
247	97	李冲 Chong Li	中國浙江大學數學系 Zhejiang University, China	China	2008/12/11	2009/2/11	approximation theory, numerical analysis	姚任之
248	97	神保秀一 Shuichi Jimbo	日本 Hokkaido University, Dept. of Mathematics	Japan	2008/12/11	2008/12/24	partial differential equations	羅春光
249	97	王興華 Xinghua Wang	中國浙江大學數學系	China	2008/12/25	2009/1/7	computational mathematics	徐洪坤
250	97	Pavol Hell	加拿大 Simon Fraser University, Burnaby, School of Computing Science	Canada	2008/12/31	2009/1/11	graph theory, algorithm complexity	朱緒鼎
251	97	Douglas West	美國 University of Illinois, Urbana	U.S.A.	2009/1/7	2009/1/13	graph theory	朱緒鼎
252	97	Andre Raspaud	法國 Universite Bordeaux I, LaBRI	France	2009/1/9	2009/1/23	graph theory	朱緒鼎
253	97	Arnaud Pecher	法國 Universite Bordeaux I, LaBRI	France	2009/1/9	2009/1/23	graph theory	朱緒鼎
254	97	Mickael Montassier	法國 Universite Bordeaux I, LaBRI	France	2009/1/9	2009/1/23	graph theory	朱緒鼎
255	97	Hal Kierstead	美國 Arizona State University	U.S.A.	2009/1/8	2009/1/15	graph theory	朱緒鼎
256	97	Balakrishnan Rangaswami	美國 Srinivasa Ramanujan Centre, SASTRA	U.S.A.	2009/1/8	2009/1/15	graph theory	朱緒鼎
257	97	Claude Tardif	法國 Royal Military College	France	2009/1/9	2009/2/8	graph theory	朱緒鼎
258	97	Gary MacGillivray	加拿大 University of Victoria	Canada	2009/1/10	2009/1/14	graph theory	朱緒鼎

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
259	97	謝幹權 Ganquan Xie	美國 GL Geophysical Laboratory, 美國 Lawrence Berkeley Laboratory	U.S.A.	2009/1/12	2009/1/16	mathematical physics	呂宗澤
260	97	李建華 Jianhua Li	美國 GL Geophysical Laboratory, 美國 Lawrence Berkeley Laboratory	U.S.A.	2009/1/12	2009/1/16	mathematical physics	呂宗澤
261	97	Hidettoshi Komiya	日本 Keio University	Japan	2009/1/14	2009/2/14	nonlinear analysis	姚任之
262	97	羅先發 Xianfa Luo	中國計量學院理學院數學系	China	2009/1/15	2009/2/15	approximation theory	姚任之
263	97	Ta Duy Phuong	越南 Vietnamese Academy of Science and Technology	Vietnam	2009/2/1	2009/3/1	optimization	姚任之
264	97	Nguyen Nang Tam	越南 Hanoi Pedagogical University No.2	Vietnam	2009/2/1	2009/2/28	optimization	姚任之
266	97	Helena Nesetrilova	捷克 Czech University of Life Sciences, Prague	Czech	2009/2/4	2009/2/18	statistical analysis of questionnaires surveys , applied statistics	郭美惠
267	97	Jaroslav Nesetril	捷克 Charles University, Prague, Dept. of Applied Math.	Czech	2009/2/4	2009/3/1	combinatorics	朱緒鼎
265	97	Sangho Kum	韓國 Chungbuk National University	Korea	2009/2/8	2009/2/21	optimization	姚任之
268	97	李相烈 Sangyeol Lee	韓國 Seoul National University, Dept. of Statistics	Korea	2009/2/11	2009/2/26	statistics, time series	郭美惠
269	97	Julio Bueno Filho	巴西 Universidade Federal de Lavras-UFLA	Brazil	2009/2/16	2009/3/3	probability, statistics	羅夢娜
270	97	黃啓南 Kainam Huang	香港理工大學 Hong Kong Polytechnic University	Hong Kong	2009/2/21	2009/3/5	wireless communication	郭美惠
271	97	Kunio Shimizu	日本 Keio University and The Institute of Statistical Mathematics	Japan	2009/2/25	2009/3/5	probability, statistics	羅夢娜
272	97	白志東 Zhidong Bai	新加坡 National University of Singapore 統計與應用概率系	Singapore	2009/2/26	2009/2/27	機率論	郭美惠
273	97	謝幹權 Ganquan Xie	美國 GL Geophysical Laboratory, 美國 Lawrence Berkeley Laboratory	U.S.A.	2009/3/5	2009/6/5	mathematical physics	呂宗澤
274	97	Douglas Simpson	美國 University of Illinois, Urbana-Champaign (Department of Statistics)	U.S.A.	2009/3/21	2009/4/8	probability, statistics	羅夢娜
275	97	Wolfgang Bischoff	德國 Catholic University of Eichstätt-Ingolstadt	Germany	2009/3/31	2009/4/16	probability, statistics	羅夢娜
276	97	梁子威 Chi-Wai Leung	香港中文大學數學系 The Chinese University of Hong Kong	Hong Kong	2009/4/7	2009/4/13	functional analysis	黃毅青
277	97	張德健 Der-Chen Chang	美國 Georgetown University	U.S.A.	2009/5/5	2009/6/4	harmonic analysis	姚任之
278	97	Wayne M. Eby	美國 Cameron University	U.S.A.	2009/5/10	2009/5/30	harmonic analysis, functional analysis, partial differential equation	黃毅青

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
279	97	Jaroslav Grytczuk	波蘭 Jagiellonian University	Poland	2009/5/10	2009/5/25	graph theory	朱緒鼎
280	97	Jakub Przybylo	波蘭 AGH University of Science and Technology	Poland	2009/5/11	2009/5/23	graph theory	朱緒鼎
281	97	Krishna Balasundaram Athreya	美國 University of Iowa (Department of Statistics)	U.S.A.	2009/5/14	2009/5/29	probability	郭美惠
282	97	Qamrul Hasan Ansari	印度 Aligarh Muslim University, Aligarh, Dept. of Math.	India	2009/5/15	2009/8/31	nonlinear Analysis, optimization	姚任之
283	97	Yongzhi Steve Xu	Department of Mathematics, University of Louisville, Louisville, U.S.A.	U.S.A.	2009/5/21	2009/5/28	partial differential equation	姚任之
284	97	邊保軍 Baojun Bian	中國上海同濟大學 Tongji University, China	China	2009/5/21	200/06/20	financial mathematics	徐洪坤
285	97	Yared Nigussie	美國 East Tennessee State University	U.S.A.	2009/5/25	2009/6/15	graph theory	朱緒鼎
286	97	繆柏其 Baiqi Miao	中國科學技術大學統計與金融系 (University of Science and Technology of China)	China	2009/6/22	2009/6/28	極限理論 limited theory	郭美惠
287	97	胡太忠 Taizhong Hu	中國科學技術大學統計與金融系 (University of Science and Technology of China)	China	2009/6/22	2009/6/28	statistics	羅夢娜
288	97	韋來生 Laisheng Wei	中國科學技術大學統計與金融系 (University of Science and Technology of China)	China	2009/6/22	2009/6/28	statistics	羅夢娜
289	97	Daya Ram Sahu	印度 Banaras Hindu University, Department of Mathematics	India	2009/6/22	2009/7/21	fixed point theory	黃毅青
290	97	William A. Kirk	美國 University of Iowa, Department of Mathematics	U.S.A.	2009/6/23	2009/7/23	nonlinear analysis	徐洪坤
291	97	Wolfgang Hardle	德國 Humboldt-Universität zu Berlin, Center for Applied Statistics and Economics (德國洪堡大學)	Germany	2009/6/24	2009/6/28	statistics	郭美惠
292	97	吳國寶 Kwok Po NG	香港浸會大學數學系 Hong Kong Baptist University	China	2009/6/25	2009/6/28	statistics	羅夢娜
293	97	潘少華 Shaohua Pan	中國華南理工大學數學系	China	2009/7/1	2009/8/31	optimization	蔣永延
294	97	Kazimierz Goebel	波蘭 Maria Curie-Skłodowska University, Institute of Mathematics	Poland	2009/7/9	2009/7/15	nonlinear functional analysis	徐洪坤
295	97	Valeri Obukhovskii	俄羅斯 Voronezh State University, School of Mathematics	Russia	2009/7/14	2009/8/14	topological methods of nonlinear analysis, set-valued analysis	姚任之
296	97	Yuri Gliklikh	俄羅斯 Voronezh State University, School of Mathematics	Russia	2009/7/14	2009/8/14	topological methods of nonlinear analysis, set-valued analysis	姚任之
297	98	Wataru Takahashi	日本 Tokyo Institute of Technology	Japan	2009/8/1	2010/7/31	nonlinear analysis	姚任之
298	98	Todd James Arbogast	美國 The University of Texas at Austin, Dept. of Math.	U.S.A.	2009/8/1	2009/8/13	numerical analysis	黃杰森

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
299	98	鄭喜印 Xi Yin Zheng	中國雲南大學數學系 Yunnan University	China	2009/8/1	2009/8/19	variational analysis	姚任之
300	98	王金華 Jin-Hua Wang	中國浙江工業大學數學系	China	2009/8/2	2009/9/19	optimization 優化理論	姚任之
301	98	李冲 Chong Li	中國浙江大學數學系 Zhejiang University	China	2009/8/12	2009/9/11	approximation theory, numerical analysis	姚任之
302	98	Nguyen Manh Hung	越南 National Hanoi University of Education, Dept. of Math.	Vietnam	2009/8/23	2009/9/21	partial differential equations	姚任之
303	98	蔣耀林 Yao-Lin Jiang	中國西安交通大學 Xi'an JiaoTong University	China	2009/9/13	2009/10/13	nonlinear analysis, computational mathematics	徐洪坤
304	98	蔡英士 Yung-Sze Choi	美國 University of Connecticut, Dept. of Math.	U.S.A.	2009/9/15	2009/12/14	partial differential equations	羅春光
305	98	黃文玲 Wen-Ling Huang	德國 University of Hamburg, Department of Mathematics	Germany	2009/10/1	2009/10/31	geometry	董立大
306	98	李冲 Chong Li	中國浙江大學數學系 Zhejiang University	China	2009/11/11	2009/12/11	approximation theory, numerical analysis	姚任之
307	98	Alexander Kruger	澳洲 University of Ballarat	Australia	2009/11/23	2009/12/22	variational analysis	姚任之
308	98	Andre Raspaud	法國 Universite Bordeaux I, LaBRI	France	2009/12/3	2009/12/17	graph theory	朱緒鼎
309	98	Mickael Montassier	法國 Universite Bordeaux I, LaBRI	France	2009/12/3	2009/12/17	graph theory	朱緒鼎
310	98	Juan-Enrique Martinez-Legaz	西班牙 Spain, Universitat Autònoma de Barcelona Economics	Spain	2010/1/8	2010/2/5	optimization	姚任之
311	98	李相烈 Sangyeol Lee	韓國 Seoul National University, Dept. of Statistics	Korea	2010/1/22	2010/2/6	statistics, time series	郭美惠
312	98	Sangho Kum	韓國 Chungbuk National University	Korea	2010/1/26	2010/2/9	optimization, variational analysis	姚任之
313	98	周毅強 Yiqiang Zhou	加拿大 Memorial University of Newfoundland	Canada	2010/2/1	2010/2/5	ring theory	王彩蓮
314	98	Patrice Ossona De Mendez	法國 Centre national de la recherche scientifique, L'Ecole des hautes etudes en sciences sociales	France	2010/2/6	2010/3/5	discrete mathematics	朱緒鼎
315	98	Wolfgang Hardle	德國 Humboldt-Universität zu Berlin, Center for Applied Statistics and Economics (德國洪堡大學)	Germany	2010/2/22	2010/2/26	statistics	郭美惠
316	98	李相烈 Shinya Fujita	日本 Dept. of Math., Gunma National College of Technology	Japan	2010/2/24	2010/3/9	graph theory	朱緒鼎
317	98	方青 Qing Fang	日本山形大學 Yamagata University	China	2010/2/26	2010/3/25	numerical analysis	李子才
318	98	Andre Raspaud	法國 Universite Bordeaux I, LaBRI	France	2010/3/5	2010/3/25	graph theory	朱緒鼎



序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
319	98	Mickael Montassier	法國 Universite Bordeaux I, LaBRI	France	2010/3/5	2010/3/25	graph theory	朱緒鼎
320	98	Zdenek Dvorak	捷克 Charles University	Czech	2010/3/6	2010/3/21	graph theory	朱緒鼎
321	98	Paul Dorbec	法國 Universite Bordeaux I	France	2010/3/7	2010/3/25	graph theory	朱緒鼎
322	98	Pavol Hell	加拿大 Simon Fraser University, Burnaby, School of Computing Science	Canada	2010/3/8	2010/4/5	graph theory, algorithm complexity	朱緒鼎
323	98	Weng-Kee Wong	美國 Dept. of Biostatistics, UCLA School of Public Health	U.S.A.	2010/3/1	2010/3/14	biometrics, design of experiments	羅夢娜
324	98	王維凡 Weifan Wang	中國浙江師範大學數學系	China	2010/3/17	2010/8/19	graph theory	朱緒鼎
325	98	朱礎豪 Cho-Ho Chu	英國 University of London 英國倫敦大學	United Kingdom	2010/4/13	2010/4/18	analysis	黃毅青
326	98	吳志強 Chi-Keung Ng	中國南開大學數學學院	China	2010/4/13	2010/4/19	operator algebras	黃毅青
327	98	梁浩瀚 Denny Leung	新加坡 National University of Singapore 數學系	Singapore	2010/5/30	2010/6/13	functional analysis	黃毅青
328	98	Qamrul Hasan Ansari	印度 Aligarh Muslim University, Dept. of Mathematics	India	2010/6/1	2010/6/30	nonlinear Analysis, optimization	姚任之
329	98	張瑞明 Ruiming Zhang	中國廣西師範大學數學科學學院 Guangxi Normal University, China	China	2010/6/10	2010/6/15	analysis	呂宗澤
330	98	何炳生 Bingsheng He	中國南京大學數學系 Nanjing University, China	China	2010/6/10	2010/7/12	optimization	徐洪坤
331	98	Sangho Kum	韓國 Chungbuk National University	Korea	2010/6/30	2010/7/21	nonlinear analysis, optimization	姚任之
332	98	Escandar Naraghirad	伊朗 Yasouj University	Iran	2010/7/9	2010/9/15	nonlinear analysis	姚任之
333	98	Yuri Gliklikh	俄羅斯 Voronezh State University, School of Mathematics	Russia	2010/7/15	2010/7/31	Riemannian Geometry	姚任之
334	98	Valeri Obukhovskii	俄羅斯 Voronezh State University, School of Mathematics	Russia	2010/7/15	2010/7/31	control theory	姚任之
335	99	李相烈 Sangyeol Lee	韓國 Seoul National University, Dept. of Statistics	Korea	2010/8/3	2010/8/9	statistics, time series	郭美惠
336	99	Wataru Takahashi	日本 Tokyo Institute of Technology	Japan	2010/8/7	2010/9/30	nonlinear analysis	姚任之
337	99	王金華 Jin-Hua Wang	中國浙江工業大學數學系	China	2010/8/11	2010/9/10	nonsmooth optimization	姚任之
338	99	吳志強 Chi-Keung Ng	中國南開大學數學學院	China	2010/8/23	2010/9/4	operator algebras	黃毅青

序號	學年	訪問學者	服務單位	國家	來訪時間 From	來訪時間 To	專長	邀請者
339	99	李沖 Chong Li	中國浙江大學數學系 Zhejiang University	China	2010/8/24	2010/10/15	approximation, nonsmooth optimization	姚任之
340	99	卜慶營 Qingying Bu	美國 The University of Mississippi, Mathematics Department	U.S.A.	2010/8/26	2010/12/31	functional analysis	黃毅青
341	99	黃文玲 Wen-Ling Huang	德國 University of Hamburg, Department of Mathematics	Germany	2010/9/1	2010/9/30	geometry	王彩蓮

## 十二、歷年國外來訪之客座教授人數統計

76 學年	77 學年	78 學年	79 學年	80 學年	81 學年
76/08~77/07	77/08~78/07	78/08~79/07	79/08~80/07	80/08~81/07	81/08~82/07
1 人	0 人	2 人	2 人	3 人	3 人

82 學年	83 學年	84 學年	85 學年	86 學年	87 學年
82/08~83/07	83/08~84/07	84/08~85/07	85/08~86/07	86/08~87/07	87/08~88/07
4 人	8 人	8 人	4 人	2 人	6 人

88 學年	89 學年	90 學年	91 學年	92 學年	93 學年
88/08~89/07	89/08~90/07	90/08~91/07	91/08~92/07	92/08~93/07	93/08~94/07
8 人	13 人	17 人	12 人	7 人	19 人

94 學年	95 學年	96 學年	97 學年	98 學年	
94/08~95/07	95/08~96/07	96/08~97/07	97/08~98/07	98/08~99/07	
31 人	45 人	38 人	65 人	38 人	

### 十三、博士後研究員

學年度	姓名	時間	指導教授
86 學年度	安杉力 博士(Dr. Ansari)	86/08/01~87/07/31	姚任之教授
	葉鴻國 博士	87/02/01~87/07/31	羅夢娜教授
87 學年度	安杉力 博士(Dr. Ansari)	87/08/01~88/07/31	姚任之教授
	周君彥 博士	87/08/01~88/07/31	黃毅青教授
88 學年度	安杉力 博士(Dr. Ansari)	88/08/01~89/07/31	姚任之教授
	周君彥 博士	88/08/01~89/07/31	朱緒鼎教授
	廖勝強 博士	88/08/01~89/07/31	官大智教授
	高華隆 博士	89/05/01~89/07/31	黃毅青教授
	嚴寧寧 博士	89/03/11~89/07/08	李子才教授
89 學年度	高華隆 博士	89/08/01~90/07/31	黃毅青教授
	查得利 博士(Dr. Chadli)	89/09/21~90/06/30	姚任之教授
	侯賽因 博士(Dr. Hossein Hajiabolhassan )	89/12/01~90/07/31	朱緒鼎教授
90 學年度	侯賽因 博士(Dr. Hossein Hajiabolhassan)	90/08/01~90/12/14	朱緒鼎教授
	蔣志祥 博士	91/03/01~91/07/31	黃毅青教授
91 學年度	潘志實 博士	92/07/01~92/07/31	朱緒鼎教授
92 學年度	曾健威 博士	92/08/01~92/12/31	黃毅青教授
	潘志實 博士	92/08/01~92/09/30	朱緒鼎教授
	潘志實 博士	93/05/01~93/07/31	朱緒鼎教授
94 學年度	潘志實 博士	94/12/01~95/07/31	朱緒鼎教授
	黃 晉 博士	94/08/01~95/07/31	李子才教授
	白重京 博士	94/08/01~95/07/31	黃毅青教授
	木村健志 博士	94/08/01~95/07/31	姚任之教授
	鄭彥修 博士	94/08/01~94/10/31	羅春光教授
	潘光明 博士	94/12/01~95/07/31	郭美惠教授
95 學年度	潘光明 博士	95/08/01~95/11/30	郭美惠教授
	潘志實 博士	95/08/01~96/07/31	朱緒鼎教授
	白重京 博士	95/08/01~96/07/31	黃毅青教授
	木村健志 博士	95/08/01~96/07/31	姚任之教授
	Dr. D. R. Sahu	96/05/01~96/07/31	黃毅青教授
96 學年度	Dr. D. R. Sahu	96/08/01~96/11/01	黃毅青教授
	潘志實 博士	96/08/01~97/07/31	朱緒鼎教授
	白重京 博士	96/08/01~97/07/31	黃毅青教授
	魏廣生 博士	96/09/22~97/03/21	徐洪坤教授
	游古彥 博士	96/08/01~97/07/31	姚任之教授
	金百鎖 博士	96/08/01~97/07/31	羅夢娜教授
	蔡馬良 博士	96/08/01~97/07/31	董立大教授
	Dr. Phan Quoc Khank	97/01/11~97/07/31	姚任之教授
	王金華 博士	97/02/14~97/07/31	姚任之教授
	彭建文 博士	97/03/10~97/07/31	姚任之教授
	楊大慶 博士	97/07/30~97/07/31	朱緒鼎教授

學年度	姓名	時間	指導教授
97 學年度	Dr. Phan Quoc Khank	97/08/01~98/01/10	姚任之教授
	楊大慶 博士	97/08/01~98/01/30	朱緒鼎教授
	王金華 博士	97/08/01~98/02/13	姚任之教授
	彭建文 博士	97/08/01~98/03/09	姚任之教授
	游古彥 博士	97/08/01~98/07/31	姚任之教授
	張嘉芬 博士	97/08/01~98/07/31	朱緒鼎教授
	劉亞平 博士	97/09/06~98/09/05	李子才教授
	莊瑋瑋 博士	98/02/13~98/09/12	羅夢娜教授
	葉五一 博士	97/02/13~98/09/12	郭美惠教授
	張乃敏 博士	98/03/04~98/09/09	呂宗澤教授
98 學年度	賈雲鋒 博士	98/10/31~99/08/30	徐洪坤教授
	李 磊 博士	98/12/19~99/08/31	黃毅青教授
	王雅書 博士	99/01/01~99/10/31	黃毅青教授
	林武雄 博士	99/04/01~99/07/31	朱緒鼎教授
	張嘉芬 博士	98/08/01~99/07/31	朱緒鼎教授
99 學年度	李博智 博士	99/08/01~100/07/31	董立大教授
	周國暉 博士	99/09/01~100/07/31	黎景輝教授
	劉榮惠 博士	99/08/01~100/07/31	黃毅青教授
	游古彥 博士	100/02/01~101/01/31	姚任之教授

## 十四、歷年舉辦之學術研討會

No.	學年	Time From	Time To	Seminar	演講場次	People 人數	Organizer
1	80	1992/6/15	1992/6/16	計算原理研討會	10	65	官大智 D. J. Guan
2	80	1992/6/25	1992/6/26	第一屆高雄區統計研討會	10	86	黃文璋 Wen-Jang Huang
3	81	1992/11/27	1992/11/28	離散數學與計算理論研討會	32	86	
4	81	1993/3/7	1993/3/14	組合數學研討會			
5	81	1993/7/12	1993/7/13	第二屆高雄區統計研討會	28	175	黃文璋 Wen-Jang Huang
6	82	1993/12/10	1993/12/11	泛函分析研討會	17	53	黃毅青 Ngai-Ching Wong
7	82	1993/12/15	1994/6/30	統計設計及推論研討會			羅夢娜 Mong-Na Lo Huang
8	83	1994/11/16	1994/12/15	應用分析研討會			黃毅青 Ngai-Ching Wong
9	83	1994/12/2	1994/12/5	1994 年國際數學會議	120	300	姚任之等 Jen-Chih Yao
10	83	1994/12/20	1995/1/10	高維隨機矩陣之譜分析研討會			黃文璋 Wen-Jang Huang
11	83	1995/2/25	1995/2/25	南區科學計算研討會	9	65	李子才 Zi-Cai Li
12	83	1995/3/3	1995/7/15	實驗設計研討會			羅夢娜 Mong-Na Lo Huang
13	84	1995/8/4	1995/8/4	不完全數據分析及應用研討會			羅夢娜 Mong-Na Lo Huang
14	84	1995/11/24	1995/11/25	第十二屆組合數學與計算理論研討會	27	99	
15	84	1996/3/9	1996/3/9	有限元素法與多重網格法研討會			李子才 Zi-Cai Li
16	84	1996/5/4	1996/5/4	數學教學觀摩會	25	90	黃文璋 Wen-Jang Huang
17	84	1996/7/15	1996/7/16	第一屆海峽兩岸統計學研討會 暨第五屆南區統計研討會	90	210	黃文璋 Wen-Jang Huang
18	84	1996/7/22	1996/7/29	1996 年暑期密碼學講習會			官大智 D. J. Guan
19	85	1996/11/16	1997/7/10	南區科學計算系列研討會			李子才 Zi-Cai Li
20	85	1997/3/22	1997/6/24	南區組合數學研討會			朱緒鼎 Xuding Zhu
21	85	1997/5/3	1997/5/20	非線性時間序列分析及混沌變換研討會 (Nonlinear Time Series Analysis and chaotic Maps)			郭美惠 Mei-Hui Guo
22	86	1998/2/21	1998/8/12	實驗設計與工業統計研討會			張福春 Fu-Chuen Chang
23	86	1998/3/19	1998/3/20	圖論與演算法研討會		30	官大智 D. J. Guan
24	86	1998/3/20	1998/3/20	數學科教學研習會		50	黃文璋 Wen-Jang Huang
25	86	1998/5/15	1998/5/16	第八屆全國資訊安全會議	40	138	官大智 D. J. Guan

No.	學年	Time From	Time To	Seminar	演講場次	People 人數	Organizer
26	86	1998/6/26	1998/6/27	1998 年組合數學新苗研討會	8	40	朱緒鼎 Xuding Zhu
27	86	1998/9/17	1998/9/22	圖論研討會		40	朱緒鼎 Xuding Zhu
28	87	1998/12/19	1999/1/1	統計漸近理論及存活分析研討會			黎進三 Chin-San Lee
29	87	1998/12/24	1999/5/15	南區科學計算系列研討會		45	李子才 Zi-Cai Li
30	87	1999/6/20	1999/6/30	凸性及單調性研討會		25	姚任之 Jen-Chih Yao
31	87	1999/7/15	1999/7/16	第八屆南區統計研討會 (The 8th Southern Taiwan Statistical Conference) (協辦)	65	203	張福春 Fu-Chuen Chang
32	88	1999/8/16	1999/8/27	向量最佳化研討會			姚任之 Jen-Chih Yao
33	88	2000/1/8	2000/1/9	第八屆微分方程研討會(通告 報名表)	22	100	羅春光 Chun-Kong Law
34	88	2000/1/17	2000/1/21	2000 年國際數學分析研討會 (International conference on mathematical analysis and its applications,2000 (ICMAA2000))	150	270	黃毅青 Ngai-Ching Wong
35	88	2000/1/25	2000/2/18	非良置問題正規化研討會		35	姚任之 Jen-Chih Yao
36	88	2000/1/27	2000/1/28	2000 年組合數學研討會	10	85	朱緒鼎 Xuding Zhu
37	88	2000/5/9	2000/5/19	Leray-Schauder type alternative 研討會			姚任之 Jen-Chih Yao
38	88	2000/6/20	2000/7/19	科學計算及其應用系列研討會		40	李子才 Zi-Cai Li
39	89	2000/10/1	2001/7/31	分析與碎形研討會		20	黃毅青 Ngai-Ching Wong
40	89	2001/6/22	2001/6/23	有限元及相關方法的理論與應用研討會			李子才 Zi-Cai Li
41	90	2001/9/15	2001/12/31	泛函分析研討會		25	黃毅青 Ngai-Ching Wong
42	90	2002/3/23	2002/12/31	分析及其應用研討會		30	黃毅青 Ngai-Ching Wong
43	90	2002/6/10	2002/10/12	2002 年南區組合數學系列研討會	10	45	朱緒鼎 Xuding Zhu
44	90	2002/6/27	2002/6/28	第十一屆南區統計研討會暨九十一年度中華機率統計學會學術研討會及年會	76	270	郭美惠 Mei-Hui Guo
45	91	2003/1/1	2003/12/31	2003 年分析及其應用研討會 (Seminars in Analysis and its Applications)	7	35	黃毅青 Ngai-Ching Wong
46	91	2003/3/17	2003/5/12	2003 年南區組合數學系列研討會	5	25	朱緒鼎 Xuding Zhu
47	92	2004/7/24	2004/7/26	著色研討會 (Seminar in Coloring)	8	67	朱緒鼎 Xuding Zhu
48	93	2004/8/23	2004/8/24	微分方程與反問題研討會 (Workshop on Differential Equations and Inverse Problems)	11	40	羅春光 Chun-Kong Law
49	93	2004/12/25	2004/12/28	2004 年泛函分析研討會 (2004 NCTS Workshop on Functional Analysis)	35	60	黃毅青 Ngai-Ching Wong

No.	學年	Time From	Time To	Seminar	演講場次	People 人數	Organizer
50	94	2005/8/5	2005/8/6	2005 著色研討會-邊著色與圖的剖分 (Seminar in Coloring-Edge Colorings and Graph Decomposition)	6	60	董立大 Li-Da Tong
51	94	2005/8/23	2005/8/23	2005 量子演算法研討會 (Seminar in Quantum Algorithm)	4	35	朱緒鼎 Xuding Zhu
52	94	2005/10/21	2005/10/24	第六屆台菲分析研討會 (6th Taiwan-Philippine Symposium on Analysis)	27	71	蔡志賢 Jhishen Tsay
53	94	2006/3/24	2006/3/25	最優化研討會 (Workshop on Optimization)	6	15	姚任之 Jen-Chih Yao
54	94	2006/4/1	2006/4/15	微分方程短期課程 (Inverse Problems Day)	10	20	羅春光 Chun-Kong Law
55	94	2006/4/3	2006/4/7	分析和幾何學中的約當結構研討會 2006 (The third workshop on Jordan structures in analysis and geometry)	41	80	黃毅青 Ngai-Ching Wong
56	94	2006/4/20	2006/4/21	風險管理的理論與應用研討會 (Risk Management-Theory and Applications Workshop)	8	100	郭美惠 Mei-Hui Guo
57	95	2006/10/20	2007/1/12	Seminar in Differential Equations	7	20	羅春光 Chun-Kong Law
58	95	2007/4/6	2007/4/10	浸會中山計算與應用數學研討會 (HKBU-NSYSU Workshop on Computational and Applied Mathematics)	13	80	呂宗澤 Tzon-Tzer Lu
59	95	2007/6/7	2007/6/7	International Symposium on Functional and Numerical Analysis	8	32	徐洪坤 Hong-Kun Xu
60	95	2007/6/20	2007/6/20	Workshop on Graph Theory and Network	4	30	朱緒鼎 Xuding Zhu
61	95	2007/6/22	2007/6/23	2007 年計算數學研討會 (2007 Computational Mathematics Conference)	34	142	呂宗澤 Tzon-Tzer Lu, 黃杰森 Chieh-Sen Huang
62	96	2007/8/10	2007/8/11	2007 年組合數學(新苗)研討會 (2007 Combinatorics Conference)	29	160	朱緒鼎 Xuding Zhu, 董立大 Li-Da Tong
63	96	2007/11/22	2007/11/24	International Symposium on Nonlinear Analysis and Convex Analysis 2007	32	100	黃毅青 Ngai-Ching Wong, 姚任之 Jen-Chih Yao, Tamaki Tanaka
64	96	2008/1/19	2008/1/22	The Second Workshop on Applied Mathematics & Statistics at Hong Kong Baptist University 香港浸會大學 (合辦)	18	30	浸會大學: Tao Tang, Leevan Ling
65	96	2008/1/26	2008/1/27	2008 年著色研討會 (Seminar in Coloring)	6	70	朱緒鼎 Xuding Zhu, 董立大 Li-Da Tong
66	96	2008/3/30	2008/3/30	2008 南區組合數學研討會	6	35	朱緒鼎 Xuding Zhu, 董立大 Li-Da Tong
67	96	2008/6/4	2008/6/9	實驗設計研討會 (Workshop on Design of Experiments)	4	33	羅夢娜 Mong-Na Lo Huang
68	96	2008/7/21	2008/7/25	9th International Symposium on Generalized Convexity and Generalized Monotonicity (GCM9)	48	150	姚任之 Jen-Chih Yao, 黃毅青 Ngai-Ching Wong
69	97	2008/11/28	2008/11/30	International Symposium on Variational Analysis and Optimization (ISVAO)	32	102	黃毅青 Ngai-Ching Wong, 姚任之 Jen-Chih Yao
70	97	2008/12/29	2009/1/3	兩岸五校聯合數學研討會 (浙江、四川、中山、東華、淡江)	46	104	呂宗澤 Tzon-Tzer Lu
71	97	2009/1/10	2009/1/14	2009 Workshop on Graph Theory	35	132	朱緒鼎 Xuding Zhu, 董立大 Li-Da Tong



No.	學年	Time From	Time To	Seminar	演講場次	People 人數	Organizer
72	97	2009/2/2	2009/2/6	International Symposium on Optimization and Optimal Control ISO <sup>2</sup> C 2009	31	95	黃毅青 Ngai-Ching Wong, 姚任之 Jen-Chih Yao
73	97	2009/5/1	2009/5/8	2009 西子灣組合數學系列研討會	11	30	朱緒鼎 Xuding Zhu, 董立大 Li-Da Tong
74	97	2009/5/17	2009/5/17	Miniworkshop on Graph Colouring	3	30	朱緒鼎 Xuding Zhu
75	97	2009/6/25	2009/6/5	Mathematical Physical Optical EM Workshop (數學光電研討會)	3	26	謝幹權 Ganquan Xie 呂宗澤 Tzon-Tzer Lu
76	97	2009/6/25	2009/6/25	2009 浸會中山應用數學研討會 (2009HKBU-NSYSU WWorkshop on applied Mathematics)	4	30	呂宗澤 Tzon-Tzer Lu
77	97	2009/6/26	2009/6/27	第 18 屆南區統計研討會暨中華機率統計學會年會及學術研討會 (The 18th South Taiwan Statistics Conference)	164	492	羅夢娜 Mong-Na Lo Huang
78	97	2009/7/3	2009/7/4	Workshop on Matrices and Operators 2009 (矩陣與算子研討會 2009)	24	60	黃毅青 Ngai-Ching Wong, 姚任之 Jen-Chih Yao
79	98	2009/12/18	2009/12/22	Abstract Harmonic Analysis 2009	47	102	黃毅青 Ngai-Ching Wong, 姚任之 Jen-Chih Yao
80	98	2010/3/19	2010/3/21	2010 圖論研討會 (2010 Workshop on Graph Theory)	11	92	朱緒鼎 Xuding Zhu, 董立大 Li-Da Tong

## 十五、推廣教育

序號	名稱	91 學年度	92 學年度	93 學年度	94 學年度	95 學年度	96 學年度	97 學年度	98 學年度
1.	數學營	停辦	51 人	86 人	80 人	停辦	88 人	70 人	83 人
2.	雙週一題問題徵答	44 人	319 人	229 人	338 人	457 人	405 人	519 人	576 人
3.	高中資優班	90 人 \$1,206,400	48 人 \$1,635,700	115 人 \$1,641,500	127 人 \$1,371,000	125 人 \$2,090,000	165 人 \$1,400,000	132 人 \$1,400,000	128 人 \$1,200,000
4.	第二專長學分班	停辦	138 人 \$2,586,600	151 人 \$2,636,000	125 人 \$2,286,800	40 人 \$657,640	由本校推廣 教育處承接	由本校推廣 教育處承接	停辦
	小計經費(4+5)	\$1,206,400	\$4,222,300	\$4,277,500	\$3,657,800	\$2,747,640	\$1,400,000	\$1,400,000	\$1,200,000
	總計人數	264 人	556 人	581 人	670 人	622 人	658 人	721 人	787 人

## 十六、師生近五年在研討會發表之論文

1. 鄭彥修、羅春光，The Quasinodal Map and Inverse Nodal Problems. (The 5<sup>th</sup> East Asia Conference on Partial Differential Equations, 94.01.31~94.02.03, Osaka University, Osaka)
2. 羅春光，The Application of Asymptotics to Some Inverse Spectral and Nodal Problems. (微分方程與反問題研討會，94.02.26~94.02.27, 淡江大學)
3. 呂宗澤、王惟權，Spectral Diagram of Schrodinger Equation with Nonseparated Boundary conditions. (微分方程與反問題研討會，94.02.27~94.02.28, 台北淡江大學)
4. 黃毅青，“Triple homomorphisms of C\*-algebras”, Workshop on Preserver Problems, University of Hong Kong, Hong Kong, May 5-7, 2005.
5. 黃杰森，A fully mass and volume conserving implementation of a characteristic method for transport problems. (2005 SIAM Conference on Mathematical and Computational Issues in the Geosciences, 2005 SIAM 地質問題計算數學研討會，94.06.07~94.06.10, Avignon, France)
6. 黃毅青，“The triangle of operators, topologies and bornologies”, The First International Operator Algebra and Operator Theory Symposium in China, Shannxi Normal University, Xi'an, China, July 22-26, 2005.
7. 朱緒鼎，The circular chromatic number of Kneser graphs. (Shanghai East-China Normal University Combinatorics Conference, 上海華東師大組合數學研討會，94.06.23~94.06.25, Shanghai, China)
8. 朱緒鼎，Circular perfect graphs. (Jinhua Cross-Strait Conference on Graph Theory, 金華兩岸圖論會議，94.06.26~94.06.30, 金華, China)
9. 郭美惠，Option pricing and delta hedging for heavy tailed returns. (25th European Meeting of Statisticians, 第25屆歐洲統計會議，94.07.22~94.07.29, Oslo, Norway)
10. 羅夢娜，Optimal designs for calibrations in multiresponse-univariate linear regression models. (25th European Meeting of Statisticians, 第25屆歐洲統計會議，94.07.24~94.07.28, Oslo, Norway)
11. 呂宗澤，The Trefftz Method for Solving Laplace Eigenvalue Problems. (6th International Conference on Boundary Element Techniques, 第6屆邊界元技巧國際會議，94.07.27~94.07.29, Montreal, Canada)
12. 張福春， $\Delta$ -optimal Designs for Weighted Polynomial Regression. (2005 Joint Statistical Meetings, 2005年美國聯合統計年會，94.08.07~94.08.11, Minneapolis, U.S.A.)
13. 羅夢娜， $\Phi_p$ -optimal designs for linear log contrast models in experiments with mixtures. (2005 International Uniform Design Conference, 2005國際均勻設計學術研討會，94.08.19~94.08.22, 湖南吉首, China)
14. 姚任之，Hybrid steepest descent methods for zeros of nonlinear operators with applications to variational inequalities. (Workshop on Nonlinear Analysis and Convex Analysis, 非線形解析學及凸解析之研究集會，94.08.23~94.08.25, Kyoto, Japan)
15. 朱緒鼎，Distinguishing Labeling of Group Actions. (7th International Colloquium on Graph Theory, ICGT 2005, 94.09.12~94.09.16, Hyeres, France)
16. 朱緒鼎，Circular Chromatic Index of Graphs. (11th Workshop on Graph Theory - Colourings, Independence and Domination, 94.09.18~94.09.23, Karpacz, Poland)
17. 黃毅青，Disjointness preserving operators of C\*-algebras (International Conference on non-linear analysis and optimization, 94.09.29~94.10.02, 中壢中原大學)
18. 黃毅青，Zero product preservers of operator algebras (Sixth Taiwan-Philippine Symposium on Analysis, 94.10.22~94.10.24, 高雄中山大學)
19. 黃毅青，The no trade principle in general environments - a functional analysis approach (The International Conference on Applied Mathematics, 94.12.03~94.12.05)
20. 黃毅青，Local automorphism of operator algebras (2006 Workshop on Differential Equations and Mathematical Analysis, 95.01.06~95.01.08, Academia Sinica)
21. 黃杰森，A Fully Mass and Volume Conserving Implementation of a Characteristic Method for Transport Problems. (2006 AMS National Meetings: SIAM Minisymposium on Numerical Solution of Partial Differential Equations and Applications to Flow in Porous Media, 95.01.12~95.01.15, San Antonion, U.S.A.)
22. 何宗軒，Operators constant with respect to slant Toeplitz operators. (SIAM Conference on Parallel Processing for Scientific Computing, SIAM 平行運算在科學計算中之應用會議，95.02.22~95.02.24, San Francisco, U.S.A)

23. 黃毅青, Disjointness preservers and Jordan homomorphisms (2006 Workshop on Jordan structures in analysis and geometry 黃毅青, 95.04.03~95.04.07 黃毅青, 高雄中山大學)
24. 朱緒鼎, Fractional chromatic number of cubic graphs. (Combinatorics 2006. A meeting in celebration of Pavol Hell's 60th birthday, 2006 組合數學會議, 95.05.01~95.05.05, Victoria, BC, Canada)
25. 黃毅青, Compact disjointness preserving operators. (The fifth Conference on Function Spaces, 95.05.15~95.05.20, Edwardsville, U.S.A.)
26. 羅春光, Inverse Nodal Problems for Nonlinear Sturm-Liouville equations. (The Sixth East Asia PDE Conference, 武漢大學, 95.05.15~95.05.19, 武漢, China)
27. 姚任之, Approximate proximal algorithms for generalized variational inequalities with monotone operators. (International conference on nonlinear programming and applications, NPA 2006, 上海復旦大學, 95.05.29~95.06.01, Shanghai, China)
28. 張福春, Calculating Moment Generating and Characteristic Functions Using Mathematica. (2006 Statistics International Forums at Renmin University of China in Peking, 2006 統計學國際論壇, 95.06.10~95.06.11, Beijing, China)
29. 董立大, The (a,b)-forcing geodetic graphs. (2008 SIAM Conference On Discrete Mathematics, 95.06.16~95.06.19, Vermont, USA)
30. 朱緒鼎, Distinguishing number of group actions. (2006 SIAM conference on discrete mathematics, 95.06.25~95.06.28, Victoria, Canada)
31. 董立大, Independent arcs of acyclic orientations of complete r-partite graphs. (SIAM Conference On Discrete Mathematics, 95.06.25~95.06.28, Victoria, Canada)
32. 郭美惠, A SFIR approach to financial derivative valuation. (The 2006 International Symposium on Financial Engineering and Risk Management, 2006 年國際財務工程暨風險管理研討會, 95.07.05~95.07.06, Xiamen, China)
33. 羅夢娜, Exact D-optimal designs for response surface models on a circle. (2006 International Conference on Design of Experiments and its Applications, 2006 實驗設計及其應用國際研討會, 95.07.09~95.07.13, Tianjin, China)
34. 朱緒鼎, List circular colouring of graphs. (Sixth Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications, Dedicated to Jarik Nesetril on the occasion of his 60<sup>th</sup> birthday, 95.07.10~95.07.15, Prague, Czech)
35. 黃毅青, Zero product preservers and Jordan homomorphisms. (International Conference on Operator Theory and Applications, 算子理論及應用國際學術會議, 95.07.11~95.07.15, Anhui(安徽省黃山市), China)
36. 呂宗澤, Trefftz, Collocation and Other Boundary Methods -- A Comparison. (7th World Congress on Computational Mechanics, 第七屆世界計算力學大會, 95.07.16~95.07.22, Los Angeles, U.S.A.)
37. 李子才, Effective condition number for Trefftz methods. (The world congress on computational mechanics, 95.07.16~95.07.22, Los Angeles, U.S.A)
38. 羅夢娜, Exact D-optimal designs for response surface models on a circle. (26th European Meeting of Statisticians, 第 26 屆歐洲統計學家會議, 95.07.24~95.07.28, Torun, Poland)
39. 張福春, D-optimal designs for combined polynomial and trigonometric regression on a partial circle. (2006 Joint Statistical Meetings, 2006 年美國統計學會聯合統計研討會, 95.08.06~95.08.10, Seattle, U.S.A.)
40. 郭美惠, Statistical quality control of loadboards for electronic package testers. (2006 Joint Statistical Meetings, 2006 年美國統計學會聯合統計研討會, 95.08.06~95.08.10, Seattle, U.S.A.)
41. 朱緒鼎, The game colouring of graphs. (Fifth Cracow conference on graph theory, USTRON, 2006, 95.09.11~95.09.15, Krakow, Ustron, Poland)
42. 羅夢娜, Optimal designs for model discrimination and estimation in binary response experiments. (13th International Conference of Forum for Interdisciplinary Mathematics - Interdisciplinary Mathematical and Statistical Techniques, 第 13 屆跨領域國際會議—數學與統計技術, 95.09.01~95.09.04, Tomar, Lisbon, Portugal)
43. 朱緒鼎, Circular perfect graphs. (International Conference on Discrete Mathematics - ICDM 2006, 國際離散數學會議, 95.12.15~95.12.18, Bangalore, India)
44. 羅春光, Inverse Nodal Problems for Nonlinear Sturm-Liouville equations. (Workshop on Functional Analysis and Optimization Theory, 泛函分析及優選論會議, 95.12.14~95.12.15, Hong Kong)
45. 黃毅青, Geometric pre-ordering on C\*-algebras (2007 Workshop on Analysis, 96.01.22~96.01.23, 96.01.22~96.01.23, National Taidong University)

46. 姚任之, Sensitivity Analysis of Vector Equilibrium Problems. (Workshop on Vector Variational Inequality and Related Topics, 變分不等式及相關主題研討會, 96.01.26~96.01.30, Hong Kong)
47. 黃杰森, Error estimate, optimal shape factor, and high precision computation of multiquadric collocation method. (International Conference on Computational Methods, 96.04.04~96.04.06, Hiroshima, Japan)
48. 朱緒鼎, Circular Colouring and List Circular Colouring of Graphs. (10<sup>th</sup> Coast Combinatorics Conference, 96.4.5, Victoria, Canada)
49. 黃毅青, Conditions ensuring maps of standard operator algebras being automorphisms. (Workshop on Matrices and Operators, 96.04.13~96.04.14, Hong Kong)
50. 朱緒鼎, Circular choosability of graphs. (The First Canadian Discrete and Algorithmic Mathematics Conference, (Cana DAM), 96.05.28~96.05.31, Banff Conference Center, Alberta, Canada)
51. 黃毅青, A selection theorem and a fixed point theorem (2007 The fifth International Conference on Nonlinear Analysis and Convex Analysis, 96.05.31~96.06.04, 新竹清華大學)
52. 呂宗澤, Numerical Computation for Nonlinear Beam Problems. (2007 International Conference on Nonlinear Partial Differential Equations and their Applications, 非線性偏微分方程及其應用國際學術會議, 96.06.01~96.06.04, Shanghai, China)
53. 李子才, Stability analysis of the method of fundamental solutions for Laplace's equation. (The first workshop of method of fundamental solutions (MFS 2007), 96.06.11~96.06.13, Ayla Napa, Cyprus)
54. 李子才, Recent developments for Trefftz and collocation methods. (ICCES MM 2007 Meshless methods, 96.06.15~96.06.17, Patras, Greece)
55. 黃毅青, Conditions ensuring maps of standard operator algebras being automorphisms (The fifth Cross-straits Conference in Mathematics, 96.06.26~96.06.27, 台北淡江大學)
56. 王彩蓮, Distinguishing labeling of graphs and group actions. (Design Theory of Alex Rosa 國際研討會, 96.07.02~96.07.06, Bratislava, Slovakia)
57. 董立大, The orientable hull numbers and geodetic numbers. (Design Theory of Alex Rosa 國際研討會, 96.07.02~96.07.06, Bratislava, Slovakia)
58. 何宗軒, A shift on  $B(H)$ . (Workshop on Matrices and Operators, 矩陣與算子分析研討會, 96.07.13~96.07.14, Hong Kong)
59. 黃毅青, Invertibility of linear sums of  $k$ -potents and nilpotents. (Workshop on Matrices and Operators, 96.07.13~96.07.14, Hong Kong)
60. 呂宗澤, Trefftz Method for Stokes Flow. (The ninth U.S. National Congress on Computational Mechanics, 第九屆美國計算力學大會, 96.07.23~96.07.26, San Francisco, U.S.A.)
61. 李子才, Error analysis of Trefftz method for Laplace's equation with singularity problems. (9th US National congress on computational mechanics, 96.07.23~96.07.26, San Francisco, U.S.A)
62. 何宗軒, The space  $B_{\{\pi\}}$  and its dual. (The 15th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications, 第 15 屆國際有限與無窮維複分析及應用會議, 96.07.30~96.08.03, Osaka, Japan)
63. 郭美惠, Derivative Pricing Based on Time Series Models of Default Probabilities. (56th Session of the International Statistical Institute (ISI), 第 56 屆國際統計學會會議, 96.08.22~96.08.29, Lisbon, Portugal)
64. 羅夢娜, Exact D-optimal designs for mixture models. (56th Session of the International Statistical Institute (ISI), 第 56 屆國際統計學會會議, 96.08.22~96.08.29, Lisbon, Portugal)
65. 朱緒鼎, Generalized Colouring of Graphs with Bounded Generalized Colouring Number. (Cycles and Colourings in Graphs 2007, 96.09.02~96.09.07, High Tatras, Slovakia)
66. 姚任之, Solution Methods for Variational Inequalities with pseudomonotone Operators. (Workshop on Nonlinear Analysis and Convex Analysis, RIMS, 96.09.02~96.09.06, Kyoto, Japan)
67. 蔣永延, Merit Functions on Hilbert Spaces. (Mini Workshop on Optimization, 96.10.18, National Taiwan Normal University)
68. 張福春, D-optimal designs for polynomial regression with exponential weight function. (Design and Analysis of Experiments (DAE2007) Conference, 2007 年實驗設計及分析研討會, 96.10.31~96.11.03, Memphis, 田納西州, U.S.A.)
69. 朱緒鼎, Circular choosability of graphs. (Current Trend in Graph Theory, 96.11.24, Hanoi, Vietnam, 越南河內)

70. 呂宗澤, Trefftz Method for Stokes Flow. (2007 年中華民國數學年會, 96.12.21~96.12.24, 台北中央研究院)
71. 王推恩、羅春光, An Inverse Nodal Problem on Semi-infinite Intervals. (2007 中華民國數學年會, 96.12.21~96.12.24, 中央研究院數學研究所)
72. 郭美惠, Estimation of High Frequency Integrated Volatility Based on Noise-to-Signal Ratio. (International Conference on Multiple Decision Theory, Statistical Inference and Applications, 96.12.28~96.12.30, 台北輔仁大學)
73. 羅夢娜, Optimal designs for estimation in nonlinear regression models. (International Conference on Multiple Decision Theory, Statistical Inference and Applications, 96.12.28~96.12.30, 台北輔仁大學)
74. 黃毅青, Disjointness preserving maps of  $C^*$ -algebras and group  $C^*$ -algebras (Abstract Harmonic Analysis 2007, 96.12.17~96.12.21, 香港中文大學)
75. 羅春光, Inverse Nodal Problems for Nonlinear Sturm-Liouville Equations. (The 16<sup>th</sup> Workshop on Differential Equations, 第十六屆微分方程研討會, 97.01.04~97.01.06, 新竹交通大學)
76. 呂宗澤, Convergence Behaviors of Trefftz Method on Laplace BVPs with Singularities. (The Second Workshop on Applied Mathematics & statistics, 97.01.19~97.01.22, 香港浸會大學)
77. 呂宗澤, Convergence Behaviors of Trefftz Method on Laplace BVPs with Singularities. (Workshop of Computational and Applied Mathematics between Zhejiang University and Sun Yat-sen University, 97.01.23, 杭州浙江大學)
78. 黃毅青, Disjointness preserving maps of  $C^*$ -algebras and group  $C^*$ -algebras (The Analysis-Differential Equation Conference, 97.03.28~97.03.29, 新竹玄奘大學)
79. 黃宏財, 李子才, Coupling Techniques of Trefftz Methods. (Trefftz.08 - 5<sup>th</sup> workshop on Trefftz Methods, 97.03.31~97.04.02, Leuven, Belgium)
80. 黃杰森, A Fully Mass and Volume Conserving Characteristic Method and Its Applications. (6<sup>th</sup> International Conference on Scientific Computing and Applications, 97.06.02~97.06.05, Pusan, Korea)
81. 朱緒鼎, Generalized Colouring of Graphs. (International Conference on Discrete Mathematics, 97.06.06~97.06.10, Mysore, India)
82. 徐洪坤, An Alternative Regularization Method for Nonexpansive Mappings with Applications. (Proceedings of the International Conference on Nonlinear Analysis and Optimization, Haifa, Israel, 97.06.18~97.06.24, Contemporary Mathematics, American Mathematical Society, 2009)
83. G. Lopez, V. Martin, and 徐洪坤, Halpern's Iteration for Nonexpansive Mappings. (Proceedings of the International Conference on Nonlinear Analysis and Optimization, Haifa, Israel, 97.6.18~97.6.24, Contemporary Mathematics, American Mathematical Society, 2009)
84. 張福春、林詠嘉, An arcsin limit theorem of minimally-supported  $\mathcal{D}$ -optimal designs for weighted polynomial regression. (第十七屆南區統計研討會, 97.06.27~97.06.28, 東華大學)
85. 朱緒鼎, Bipartite Density and Bipartite Ratio, (Graph Theory 2008 at Sandbjerg Manor, 97.08.17~97.08.23, Sandbjerg, Denmark)
86. 姚任之, Well-Posedness of a Class of Perturbed Optimization Problems in Banach Spaces' (Asian Conference on Nonlinear Analysis and Optimization (NAO-Asia2008), 97.09.13~97.09.17, Kunibiki Messe in Matsue City, Shimane, Japan.)
87. G. Lopez, V. Martin, and 徐洪坤, Iterative Algorithms for the Multiple-Sets Split Feasibility Problem. (Proceedings of the Huangguoshu International Interdisciplinary Conference on Biomedical Mathematics, Guizhou, China, 97.11.03~97.11.09, in: Y. Censor, M. Jiang and G. Wang (Editors), Biomedical Mathematics: Promising Directions in Imaging, Therapy Planning and Inverse Problems, Medical Physics Publishing, Madison, WI, USA, November 2009, to appear)
88. 黃毅青, Disjointness preserving maps of  $C^*$ -algebras, (9th International Pure Mathematics Conference 2008, 97.08.22~97.08.24, Islamabad, Pakistan)
89. 黃毅青, Disjointness preserving maps of  $C^*$ -algebras (Workshop in Analysis 2008, 97.10.25, 中壢中央大學)
90. 黃毅青, Disjointness preserving maps of  $C^*$ -algebras, (Workshop on Jordan Structures in Analysis and Operator Theory, 分析及算子理論中的約當結構研討會, 97.11.13~97.11.15, Granada, Spain)
91. 黃毅青, Conditions ensuring maps of standard operator algebras being automorphisms (2008 Nonlinear Analysis Workshop, 97.11.21, 國立高雄師範大學)
92. 郭美惠, Online monitoring systems of market reaction to realized return volatility (Joint Meeting of 4<sup>th</sup> World Conference of the IASC and 6<sup>th</sup> Conference of the Asian Regional Section of the IASC on Computational Statistics and Data Analysis, 97.12.05~97.12.08, 日本橫濱市)

93. 黃毅青, Conditions ensuring maps of standard operator algebras being automorphisms (2009 Annual Meeting of Math. Soc. of ROC, 97.12.19~97.12.21, 新竹清華大學)
94. 鄭彥修, Inverse Problems for the first Instability Interval in Schrodinger Equation. (2008 年數學學術研討會暨中華民國數學年會, 97.12.19~97.12.21, 新竹清華大學)
95. 羅夢娜, Model-robust D-and A-optimal designs for mixture experiments. (2008 年數學學術研討會暨中華民國數學年會, 97.12.19~97.12.21, 新竹清華大學)
96. 呂宗澤, Trefftz Method for Elliptic Problems with Singularity. (兩岸五校聯合數學研討會, 97.12.29~98.01.01, 花蓮東華大學)
97. 陳新富、鄭彥修、羅春光, Reconstructing Potentials Using Nodal Points in Schrödinger Equation. (第十七屆微分方程研討會, 98.01.09~98.01.11, 高雄大學)
98. 陳美如, On nonoptimality of bold play for subfair red-and-black with a rational-valued house limit. (第十七屆微分方程研討會, 98.01.09~98.01.11, 高雄大學)
99. 張福春、毛鏘淵,  $D_s$ -optimal designs for weighted polynomial regression. (第六屆海峽兩岸統計與機率學研討會, 98.01.09~98.01.12, 南京大學)
100. 張福春、毛鏘淵,  $D_s$ -optimal designs for weighted polynomial regression. (NSYSU-PKNU Jointed Symposium at Kaohsiung, 98.02.19~98.02.22, 高雄中山大學)
101. 呂宗澤, Convergence Behaviors of Trefftz Method on Laplace BVPs with Singularities. (2009 年計算數學暨計算力學研討會, 98.04.17~98.04.20, 台中東海大學)
102. 黃毅青, Disjointness preserving maps of  $C^*$ -algebras, (Canadian Abstract Harmonic Analysis Symposium 2009 (Laufest), 98.05.11~98.05.15, Edmonton, Alberta, Canada)
103. 黃毅青, Disjointness preserving maps of  $C^*$ -algebras, (The 5<sup>th</sup> Asian Mathematics Conference, 98.06.22~98.06.26, Kuala Lumpur, Malaysia)
104. 董立大, The Hamiltonian Numbers of Mobious Double Loop Networks (2009 22<sup>nd</sup> British Combinatorial Conference, 英國第 22 屆國際組合會議, 98.07.05~98.07.10, St. Andrews, England)
105. 羅夢娜,  $\Phi_p$  - optimality of minimally supported uniform designs for a linear log contrast model in mixture Experiments, 混和實驗對數對比模型下最小支撐均勻設計之  $\Phi_p$  - 最適設計 (The 27<sup>th</sup> European Meeting of Statisticians, 第二十七屆歐洲統計學家會議, 98.07.20~98.07.24, Toulouse, France)
106. 陳美如, Two-Person Red-and-Black Game with Stage-Dependent Probability Function (SPA Berlin 2009: 33rd Conference on Stochastic Processes and Their Applications, 98.07.27~98.07.31, Berlin, Germany)
107. 董立大, The Rearrangeability of Benyan-type Networks with Crosstalk Constraints (Combinatorics and Graph Theory, 第五屆海峽兩岸圖論與組合學學術會議, 98.07.28~98.08.01, 天津, China)
108. 朱緒鼎, Bipartite Subgraphs of Subcubic Graphs (Combinatorics and Graph Theory, 第五屆海峽兩岸圖論與組合學學術會議, 98.07.28~98.08.01, 天津, China)
109. 朱緒鼎, List Thue Colouring of Graphs (The Firstly International conference on Coloring and Matching of Graphs, 首屆圖染色和匹配國際會議, 98.08.04~98.08.06, 敦煌, china)
110. 朱緒鼎, Total Weight Choosability of Grpahs (EuroComb 2009: European Conference on Combinatorics, Graph Theory and Applications, 98.09.07~98.09.11, Bordeaux, France)
111. 董立大, Fully Orientable Graphs. (EuroComb 2009: European Conference on Combinatorics, Graph Theory and Applications, 98.09.07~98.09.11, Bordeaux, France)
112. 黃毅青, Disjointness preserving maps of  $C^*$ -algebras (Workshop on Theory and Applications of Mathematical Anlysi, 98.10.21~98.10.22, 國立台灣大學)
113. 陳美如, Two new models of two-person red-and-black game. (98 年統計學術研討會, 98.11.28, 台北政治大學)
114. 朱緒鼎, Thue Choosability of Paths (Journess Nationales d' Informatique Mathematique, 99.01.21~99.01.22, Paris, France)
115. 張福春、毛鏘淵,  $D_s$ -optimal Designs for Weighted Poloynomial Regression (NSYSU-PKNU Jointed Symposium at Busan, 99.02.04~99.02.07, 韓國釜慶大學)
116. 董立大, Nonblocking and Coloring in Interconnection Networks (2010 Workshop on Graph Theory, 2010 圖論研討會, 99.03.19~99.03.21, 高雄中山大學)
117. 朱緒鼎, The Nine Dragon Tree Conjecture (2010 Workshop on Graph Theory, 2010 圖論研討會, 99.03.19~99.03.21,

高雄中山大學)

118. 朱緒鼎, Thue Choosability of Graphs (CoNE Revisited, Celebrating the Inspirations of Michael O. Alberton, 99.03.26 ~99.03.28, Northampton, U.S.A)
119. 黃毅青, Disjointness preserving maps of  $W^*$ -algebras (NCTS Colloquium: Jordan Theory and Analysis, 99.04.08~99.04.12, 新竹清華大學)
120. 陳美如, Two new models of two-person red-and-black game (2010 中華機率統計學會暨學術研討會, 99.05.01~99.05.02, 花蓮東華大學)
121. 董立大, The Differences of Convexity Spectra of Graphs (8<sup>th</sup> French Combinatorial Conference, 99.06.28~99.07.02, 巴黎, France)
122. 朱緒鼎, Entire Colouring of Plane Graphs (International Symposium on Graph Theory and Combinatorial Algorithms-GTCA 2010, 圖論與組合算法國際研討會, 99.07.10~99.07.11, Peijin, China)
123. 黃毅青, Linear Disjointness Preservers of  $W^*$ -algebras (The 5<sup>th</sup> Conference on ' Matrices and Operators' , 99.07.13~99.07.14, Taiyuan, China)
124. 黃毅青, Linear Disjointness Preservers of  $W^*$ -algebras (Operator Algebras and Related Topics' , 99.07.23~99.07.27, Beijing, China)
125. 陳美如, Two-Person Red-and-Black Game with Lower Limit (NRC2010-The Thirteenth Meeting of New Researchers in Statistics and Probability, 99.07.27~99.07.30, Vancouver, Canada)
126. 張福春、蔡仲信, Anarcsin Limit Theorem of  $D$ -optimal Designs for Weighted Polynomial Regression (2010 年聯合統計年會, 99.07.31~99.08.05, Vancouver, Canada)
127. 羅夢娜, Exact  $D$ -optimal designs for a linear log contrast models with mixture experiments, 混合實驗下之正合  $D$  型最適設計 (The 2010 Joint Statistical Meetings, 2010 聯合統計會議, 99.07.31~99.08.05, Vancouver, Canada)
128. 黃毅青, Triangle of operators, topologies, bornologies (Workshop in Probability and Analysis, 99.08.10~99.08.12, Academic Sinica, Taipei)
129. 洪宛頻, 羅夢娜, 郭美惠 and An-Jen Chiang, Surgical Operating Time Modeling and Combinations for Scheduling with Mixture Lognormal Distributions, 以混合對數常態分佈對外科手術時間建模及手術排程組合之探討 (28<sup>th</sup> European Meeting of Statisticians, 第十八屆歐洲統計學家會議, 99.08.17~99.08.22, Athens, Greece)



## 十七、教師已發表之著作目錄

註: SCI 指 ISI 公司 Science Citation Index Database 光碟所收錄的期刊.  
SSCI 指 ISI 公司 Social Science Citation Index Database 所收錄的期刊.  
SCI, SCIE 指 ISI 公司 Science Citation Index Expanded Database 所收錄的期刊.  
NSYSU 指以中山大學具名發表.

### 【專任教師】

羅夢娜教授 (Mong-Na Lo Huang) (72年8月畢業, 73年8月到校)

#### (A) 期刊論文

1. **Mong-Na Lo Huang**. Exact D-optimal designs for polynomial regression. *Bulletin of the Institute of Mathematics, Academia Sinica*, 15(1):73–85, 1987. [NSYSU].
2. **Mong-Na Lo Huang** and William J. Studden. Model robust extrapolation designs. *Journal of Statistical Planning and Inference*, 18:1–24, 1988. [NSYSU].
3. Wen-Jang Huang and **Mong-Na Lo Huang**. A single compartment quantal response model with a renewal type input processes and iid releases. *Biometrical Journal*, 31:111–121, 1989. [NSYSU].
4. Chia-Tsung Horng, Wen-Jang Huang, and **Mong-Na Lo Huang**. A single compartment quantal response model with an inspection process. *Biometrical Journal*, 32:985–1004, 1990. [NSYSU].
5. **Mong-Na Lo Huang**. Optimal extrapolation designs for a partly linear model. *Computational Statistics and Data Analysis*, 10(2):105–119, 1990. [NSYSU].
6. 鄒惠斌, 羅夢娜, 黃妙冠, 沈世宏. 雨量及風速對空氣品質影響之非線性模式的探討. *中國統計學報*, 28:1–24, 1990. [NSYSU].
7. **Mong-Na Lo Huang** and Miao-Kuan Huang. A parameter-elimination method for nonlinear regression with linear parameters and autocorrelated errors. *Biometrical Journal*, 33:937–950, 1991. [NSYSU].
8. 羅夢娜, 方力行. 興達電廠海域生態系的統計分析. *中國統計學報*, 30:1–20, 1992. [NSYSU].
9. **Mong-Na Lo Huang** and Ming-Chun Hsu. Marginally restricted linear-optimal designs. *Journal of Statistical Planning and Inference*, 35:251–266, 1993. [NSYSU].
10. 陳瑞彬, 羅夢娜. 多項式迴歸模型下之正合D-最適設計. *中國統計學報*, 32:517–540, 1994. [NSYSU].
11. Shun-Hwa Li, Wen-Jang Huang, and **Mong-Na Lo Huang**. Characterizations of the Poisson process as a renewal process via two conditional moments. *Annals of the Institute of Statistical Mathematics*, 46:351–360, 1994. [NSYSU].
12. **Mong-Na Lo Huang**, Fu-Chuen Chang, and Weng Kee Wong. D-optimal designs for polynomial regression without an intercept. *Statistica Sinica*, 5:441–458, 1995. [NSYSU].
13. **Mong-Na Lo Huang** and Hsiu-Fen Chang. Marginally restricted constrained optimal designs. *Sankhyā B*, 57:128–141, 1995. [NSYSU].
14. Hung Chen, **Mong-Na Lo Huang**, and Wen-Jang Huang. Estimation of the location of the maximum of a regression function using extreme order statistics. *Journal of Multivariate Analysis*, 57:191–214, 1996. [SCI, NSYSU](1999 Impact Factor: 0.359).
15. 郭美惠, 羅夢娜, 白志東, 陳宏天, 謝凱生. 心電圖中P-R區間的統計分析與模型的建立. *中國統計學報*, 35:1–25, 1997. [NSYSU].
16. Zhidong Bai and **Mong-Na Lo Huang**. On consistency of the best- $r$ -points average estimator for the maximizer of a nonparametric regression function. *Sankhyā A*, 61:208–217, 1999. [NSYSU].

17. Holger Dette and **Mong-Na Lo Huang**. Convex optimal designs for compound polynomial extrapolation. *Annals of the Institute of Statistical Mathematics*, 52:557–573, 2000. [SCIE,NSYSU].
18. Ray-Bing Chen and **Mong-Na Lo Huang**. Exact  $D$ -optimal designs for weighted polynomial model. *Computational Statistics and Data Analysis*, 33:137–149, 2000. [SCIE,NSYSU].
19. Lei Yang, Wen-Shi Chang, and **Mong-Na Lo Huang**. Natural disinfection of wastewater in marine outfall fields. *Water Research*, 34:743–750, 2000. [SCI, NSYSU](2000 Impact Factor: 1.285).
20. **Mong-Na Lo Huang**. Comments on “factor screening and response surface exploration”. *Statistica Sinica*, 11:585–586, 2001. [SCI, NSYSU](2001 Impact Factor: 0.467).
21. Lei Yang, Hui-Ting Chang, and **Mong-Na Lo Huang**. Statistical analysis of nutrient removal in gravel- and soil- based constructed wetlands with and without vegetation. *Ecological Engineering*, 18:91–105, 2001. [SCI, NSYSU](2001 Impact Factor: 0.601).
22. Y. R. Kuo, S. F. Jeng, M. H. Kuo, **Mong-Na Lo Huang**, Y. T. Liu, Y. C. Chiang, M. C. Yeh, and F. C. Wei. Free anterolateral thigh flap for extremity construction clinical experience and functional assessment of donor site. *Plastic and Reconstructive Surgery*, 107:1766–1771, 2001. [SCI, NSYSU](2001 Impact Factor: 1.436).
23. Mei-Hui Guo, **Mong-Na Lo Huang**, Zhidong Bai, and Kai-Sheng Hsieh. Important ECG diagnosis indices of VSD and CHF. *Statistics in Medicine*, 20:1125–1141, 2001. [SCI, NSYSU](2001 Impact Factor: 1.414).
24. Fu-Chuen Chang, **Mong-Na Lo Huang**, Dennis K. J. Lin, and Huie-Ching Yang.  $D$ - and  $D_s$ -optimal designs for dual response polynomial regression models. *Journal of Statistical Planning and Inference*, 93(1-2):309–322, 2001. [SCIE,NSYSU](2001 Impact Factor: 0.366).
25. Y. R. Kuo, K.D. Yang, M.Y. Yang, **Mong-Na Lo Huang**, C.W. Lin, F.C. Lin, F.C. Wei, and S.F. Jeng. Reactive thrombocytosis alone does not affect the patency of microvascular anastomosis in the splenectomy rat. *Plastic and Reconstructive Surgery*, 110(3):812–817, 2002. [SCI, NSYSU](2002 Impact Factor: 1.518).
26. David Y. Wang, Ken-Hung Lin, **Mong-Na Lo Huang**, and Jing-Jung Hong. Variability studies on emi data for electronic, telecommunications, and information technology equipment. *IEEE Transactions on Electromagnetic Compatibility*, 44(2):385–393, 2002. [SCI, NSYSU](2002 Impact Factor: 0.649).
27. 黃文璋, 洪宛頻, 羅夢娜 樂透彩開出號碼隨機性之檢定. *中國統計學報*, 40(3):249–273, 2002. [NSYSU].
28. **Mong-Na Lo Huang** and Kam-Fai Wong.  $s^{k-p}$  fractional factorial designs in  $s^b$  blocks. *Metrika*, 56:163–170, 2002. [SCIE,NSYSU](2002 Impact Factor: 0.414).
29. Y. R. Kuo, K. D. Yang, **Mong-Na Lo Huang**, F. C. Wei, and S. F. Jeng. Reactive thrombocytosis without endothelial damage does not affect the microvascular anastomotic patency. *Annals of Plastic Surgery*, 50(1):57–63, 2003. [SCI,NSYSU](2003 Impact Factor: 0.791).
30. **Mong-Na Lo Huang**, C. S. Lin, and K. Soong. Factor effects testing for mixture distributions – with application to the study of Emergence of *Pontomyia Oceana*. *Journal of Data Science*, 2:213–230, 2003. [NSYSU].
31. 許湘伶, 羅夢娜. 多反應迴歸模型下的最適設計簡介. *中國統計學報*, 42:365–381, 2004. [NSYSU].
32. H. G. Yeh and **Mong-Na Lo Huang**. On exact  $D$ -optimal designs with 2 two-level factors and  $n$  auto-correlated observations. *Metrika*, 61(3):261–275, 2005. [SCIE,NSYSU](2005 Impact Factor: 0.451).
33. **Mong-Na Lo Huang**, Ray-Bing Chen, and Ying-Ying Chen.  $c$ -optimal designs for weighted polynomial models. *Sankhya A*, 67:90–105, 2005. [NSYSU].
34. **Mong-Na Lo Huang**, Ray-Bing Chen, Chun-Sui Lin, and Weng Kee Wong. Optimal designs for parallel models with correlated responses. *Statistica Sinica*, 16:121–133, 2006. [SCIE,NSYSU](2006 Impact Factor: 0.808).

35. **Mong-Na Lo Huang** and Chun-Sui Lin. Minimax and maximin efficient designs for estimating the location-shift parameter for parallel models with dual responses. *Journal of Multivariate Analysis*, 97:198–210, 2006. [SCIE,NSYSU](2006 Impact Factor: 0.763).
36. Wolfgang Bischoff, **Mong-Na Lo Huang**, and Lei Yang. Growth curve models for stochastic modeling and analyzing of natural disinfection of wastewater. *Environmetrics*, 17(8):827–847, 2006. [SCIE,NSYSU](2006 Impact Factor: 0.632).
37. Miao-Kuan Huang and **Mong-Na Lo Huang**.  $D_s$ -optimal designs for quadratic log contrast model for experiments with mixtures. *Communications in Statistics - Theory and Methods*, 38:1607–1621, 2009. [SCIE,NSYSU](2008 Impact Factor: 0.324).
38. **Mong-Na Lo Huang** and Miao-Kuan Huang.  $\phi_p$ -optimal designs for a linear log contrast model for experiments with mixtures. *Metrika*, 70:239–256, 2009. [SCIE,NSYSU](2008 Impact Factor: 0.320).
39. **Mong-Na Lo Huang**, Hsiang-Ling Hsu, Chao-Jin Chou, and Thomas Klein. Model-robust  $D$ - and  $A$ -optimal designs for mixture experiments. *Statistica Sinica*, 19:1055–1075, 2009. [SCI,NSYSU](2008 Impact Factor: 0.699).
40. Baisuo Jin, Cheng Wang, Baiqi Miao, and **Mong-Na Lo Huang**. Limiting spectral distribution of large dimensional sample covariance matrices generated by varma. Accepted by *Journal of Multivariate Analysis*, 2009. [SCIE,NSYSU](2008 Impact Factor: 0.738).
41. **Mong-Na Lo Huang**, Chuan-Pin Lee, Ray-Bing Chen, and Thomas Klein. Exact  $D$ -optimal designs for a second-order response surface model on a circle with qualitative factors. *Computational Statistics and Data Analysis*, 54:516–530, 2010. [SCIE,NSYSU](2008 Impact Factor: 1.126).
42. **Mong-Na Lo Huang** and Chuan-Pin Lee. Discussion: “a general approach to  $D$ -optimal designs for weighted univariate polynomial regression models” by holger dette and matthias trampisch. *Journal of the Korean Statistical Society*, 39:31–33, 2010. [SCIE,NSYSU].
43. Hsiang-Ling Hsu, **Mong-Na Lo Huang**, and Guo-Huai Chiou. Robust run order for uniform designs in simple linear regression with MA errors. Accepted by *Utilias Mathematica*, 2010. [SCIE,NSYSU].
44. Chun-Sui Lin and **Mong-Na Lo Huang**. Optimal designs for estimating the control values in multi-univariate regression models. Accepted by *Journal of Multivariate Analysis*, 2010. [SCIE,NSYSU].
45. Baisuo Jin, **Mong-Na Lo Huang**, and Baiqi Miao. Testing for variance changes in autoregressive models with unknown order. Accepted by *Journal of Applied Statistics*, 2010. [SCIE,NSYSU].
46. Chuan-Pin Lee and **Mong-Na Lo Huang**.  $D$ -optimal designs for second-order response surface models with qualitative factors. Accepted by *Journal of Data Science*, 2010. [SCIE,NSYSU].

**姚任之教授 (Jen-Chih Yao) (79年6月畢業，80年8月到校)**

**(A) 期刊論文**

1. **Jen-Chih Yao**. The generalized quasi-variational inequality problem with applications. *Journal of Mathematical Analysis and Applications*, 158:139–160, 1991. [SCI].
2. **Jen-Chih Yao**. A basic theorem of complementarity for the generalized variational-like inequality problem. *Journal of Mathematical Analysis and Applications*, 158:124–138, 1991. [SCI].
3. **Jen-Chih Yao**. Applications of variational inequalities to nonlinear analysis. *Applied Mathematics Letters*, 4(4):89–92, 1991.
4. **Jen-Chih Yao**. Variational inequality. *Applied Mathematics Letters*, 5(1):39–42, 1992. [NSYSU].

5. **Jen-Chih Yao**. General variational inequalities in Banach spaces. *Applied Mathematics Letters*, 5(1):51–54, 1992. [NSYSU].
6. Jong-Sheng Guo and **Jen-Chih Yao**. Zeros of operators in Banach spaces. *Applied Mathematics Letters*, 5(1):55–57, 1992. [NSYSU].
7. **Jen-Chih Yao**. Nonlinear inequalities in Banach spaces. *Computers and Mathematics with Applications*, 23:95–98, 1992. [SCI, NSYSU].
8. **Jen-Chih Yao**. The unification of the calculus of variations and the theory of nonlinear operators in Banach Spaces. *Applied Mathematics Letters*, 5(3):81–84, 1992. [NSYSU].
9. Jong-Sheng Guo and **Jen-Chih Yao**. Extension of strongly nonlinear quasivariational inequalities. *Applied Mathematics Letters*, 5(3):35–38, 1992. [NSYSU].
10. **Jen-Chih Yao**. Nash equilibria in N-person games without convexity. *Applied Mathematics Letters*, 5(5):67–69, 1992. [NSYSU].
11. Tetz C. Huang and **Jen-Chih Yao**. On surjectivity of operators in Banach spaces. *Applied Mathematics Letters*, 5(5):81–85, 1992. [NSYSU].
12. Richard W. Cottle and **Jen-Chih Yao**. Pseudo-monotone complementarity problems in Hilbert space. *Journal of Optimization Theory and Applications*, 75(2):281–296, 1992. [SCI, NSYSU].
13. **Jen-Chih Yao**. On the general variational inequality. *Journal of Mathematical Analysis and Applications*, 174(2):550–555, 1992. [SCI, NSYSU].
14. **Jen-Chih Yao**. Abstract variational inequality problems and a basic theorem of complementarity. *Computers and Mathematics with Applications*, 25(1):73–79, 1993. [SCI, NSYSU].
15. **Jen-Chih Yao**. On the generalized complementarity problem. *Journal of Australian Mathematical Society, Series B*, 35:420–428, 1994. [SCI, NSYSU].
16. Jong-Sheng Guo and **Jen-Chih Yao**. The variational inequalities. *Computers and Mathematics with Applications*, 25(3):99–105, 1993. [SCI, NSYSU].
17. C. R. Jou and **Jen-Chih Yao**. Algorithm for generalized multivalued variational inequalities in Hilbert space. *Computers and Mathematics with Applications*, 25(9):7–16, 1993. [SCI, NSYSU].
18. C. R. Jou and **Jen-Chih Yao**. Extension of generalized variational inequalities. *Applied Mathematics Letters*, 6:21–25, 1993. [NSYSU].
19. Jong-Sheng Guo and **Jen-Chih Yao**. Variational inequalities with nonmonotone operators. *Journal of Optimization Theory and Applications*, 80(1):63–74, 1994. [SCI, NSYSU].
20. **Jen-Chih Yao** and Jong-Sheng Guo. Variational and generalized variational inequalities with discontinuous mappings. *Journal of Mathematical Analysis and Applications*, 182:371–392, 1994. [SCI, NSYSU].
21. **Jen-Chih Yao**. Existence of generalized variational inequalities. *Operations Research Letters*, 15:35–40, 1994. [SCI, NSYSU].
22. **Jen-Chih Yao**. Variational inequalities with generalized monotone operators. *Mathematics of Operations Research*, 19:691–705, 1994. [SCI, NSYSU].
23. J. S. Pang and **Jen-Chih Yao**. On a generalization of a normal map and equation. *SIAM Journal on Control and Optimization*, 33(1):168–184, 1995. [SCI, NSYSU].
24. P. Cubiotti and **Jen-Chih Yao**. On the generalized quasi-variational inequality problem over non-compact sets. *Computers and Mathematics with Applications*, 28(4):93–97, 1994. [SCI, NSYSU].
25. **Jen-Chih Yao**. Multi-valued variational inequalities with K-pseudomonotone operators. *Journal of Optimization Theory and Applications*, 83(2):391–403, 1994. [SCI, NSYSU].

26. **Jen-Chih Yao**. Generalized quasi-variational inequality problems with discontinuous mappings. *Mathematics of Operations Research*, 20(2):465–478, 1995. [SCI, NSYSU].
27. P. Cubiotti and **Jen-Chih Yao**. Multivalued  $(s)_+^1$  operators and generalized variational inequalities. *Computers and Mathematics with Applications*, 29(12):49–56, 1995. [SCI, NSYSU].
28. S. Schaible and **Jen-Chih Yao**. On the equivalence of nonlinear complementarity problem and least element problems. *Mathematical Programming*, 70(19):191–200, 1995. [SCI, NSYSU].
29. S. J. Yu and **Jen-Chih Yao**. On vector variational inequalities. *Journal of Optimization Theory and Applications*, 89:749–769, 1996. [SCI, NSYSU].
30. T. C. Lai and **Jen-Chih Yao**. Existence results for VVIP. *Applied Mathematics Letters*, 9:17–19, 1996. [SCI, NSYSU].
31. S. J. Yu and **Jen-Chih Yao**. On the generalized nonlinear variational inequalities and quasi-variational inequalities. *Journal of Mathematical Analysis and Applications*, 198:178–193, 1996. [SCI, NSYSU].
32. S. Y. Wu, **Jen-Chih Yao**, and J. C. Pang. Inexact algorithm for continuous complementarity problems on measure spaces. *Journal of Optimization Theory and Applications*, 91(1):141–154, 1996. [SCI, NSYSU].
33. S. J. Yu, T. C. Lai, and **Jen-Chih Yao**. Generalized nonlinear variational inequalities. *Computers and Mathematics with Applications*, 32(7):21–27, 1996. [SCI, NSYSU].
34. I. V. Konnov and **Jen-Chih Yao**. On the generalized vector variational inequalities problem. *Journal of Mathematical Analysis and Applications*, 206:42–58, 1997. [SCI, NSYSU].
35. P. Cubiotti, K. L. Lin, and **Jen-Chih Yao**. Generalized quasi-variational inequalities for fuzzy mappings. *Computers and Mathematics with Applications*, 33(7):121–134, 1997. [SCI, NSYSU].
36. K. L. Lin, D. P. Yang, and **Jen-Chih Yao**. On generalized vector variational inequalities. *Journal of Optimization Theory and Applications*, 92(1):117–125, 1997. [SCI, NSYSU].
37. P. Cubiotti and **Jen-Chih Yao**. Necessary and sufficient conditions for the existence of the implicit variational inequality problem. *Applied Mathematics Letters*, 10(1):83–87, 1997. [SCI, NSYSU].
38. P. Cubiotti and **Jen-Chih Yao**. Discontinuous implicit quasi-variational inequalities with applications to fuzzy mappings. *Mathematical Methods of Operations Research*, 46:213–228, 1997. [SCIE, NSYSU].
39. P. Cubiotti and **Jen-Chih Yao**. On a general theorem of complementarity with applications to gcp. *Journal of Information and Optimization Science*, 18(3):399–412, 1997. [NSYSU].
40. Q. H. Ansari, , and **Jen-Chih Yao**. Pre-variational inequalities in Banach spaces. *Optimization techniques and Applications*, 2:1165–1172, Curtin University of Technology, Perth, 1998. [NSYSU].
41. Q. H. Ansari, Ngai-Ching Wong, and **Jen-Chih Yao**. On the existence of nonlinear inequalities. *Applied Mathematics Letters*, 12:89–92, 1999. [SCI, NSYSU](1999 Impact Factor: 0.420).
42. Q. H. Ansari, T. C. Lai, and **Jen-Chih Yao**. On the equivalence of extended generalized complementarity and generalized least-element problems. *Journal of Optimization Theory and Applications*, 102(2):277–288, 1999. [SCI, NSYSU](1999 Impact Factor: 0.536).
43. Q. H. Ansari and **Jen-Chih Yao**. Generalised variational-like inequalities and a gap function. *Bulltin of Australian Mathematical Society*, 59:33–44, 1999. [SCIE, NSYSU].
44. Q. H. Ansari and **Jen-Chih Yao**. A fixed point theorem and its applications to the system of variational inequalities. *Bulltin of Australian Mathematical Society*, 59:433–442, 1999. [SCIE, NSYSU].
45. Q. H. Ansari and **Jen-Chih Yao**. On strong solutions of the generalized implicit vector variational problem. *Advances in Nonlinear Variational Inequalities*, 2(1):1–10, 1999. [NSYSU].
46. I. V. Konnov and **Jen-Chih Yao**. Existence of solutions for generalized vector equilibrium problems. *Journal of Mathematical Analysis and Applications*, 233:328–335, 1999. [SCI, NSYSU](1999 Impact Factor: 0.392).

47. Q. H. Ansari, A. H. Siddiqi, and **Jen-Chih Yao**. Generalized vector variational-like inequalities and their scalarizations. *Vector Variational Inequalities and Vector Equilibria Mathematical Theories*, Kluwer Academic Publisher, New York:17–38, 1999. [NSYSU].
48. Q. H. Ansari and **Jen-Chih Yao**. An existence result for the generalized vector equilibrium problems. *Applied Mathematics Letters*, 12:53–56, 1999. [SCI, NSYSU](1999 Impact Factor: 0.420).
49. Q. H. Ansari, S. Schaible, and **Jen-Chih Yao**. Eta-pseudo linearity. *Rivista di Matematica per le Scienze Economiche e Sociali*, 22:31–39, 1999. [NSYSU].
50. Q. H. Ansari, Y. C. Lin, and **Jen-Chih Yao**. General KKM theorem with applications to minimax and variational inequalities. *Journal of Optimization Theory and Applications*, 104(1):41–57, 2000. [SCI, NSYSU](2000 Impact Factor: 0.558).
51. Q. H. Ansari and **Jen-Chih Yao**. Nonlinear variational inequalities for pseudomonotone operators with applications. *Advances in Nonlinear Variational Inequalities*, 3(1):61–70, 2000. [NSYSU].
52. Q. H. Ansari, S. Schaible, and **Jen-Chih Yao**. The system of vector equilibrium problems and its applications. *Journal of Optimization Theory and Applications*, 107(3):547–557, 2000. [SCI, NSYSU](2000 Impact Factor: 0.558).
53. Q. H. Ansari and **Jen-Chih Yao**. On nondifferentiable and nonconvex vector optimization problems. *Journal of Optimization Theory and Applications*, 106(3):475–488, 2000. [SCI, NSYSU].
54. Q. H. Ansari and **Jen-Chih Yao**. Iterative schemes for solving mixed variational-like inequalities. *Journal of Optimization Theory and Applications*, 108(3):527–541, 2001. [SCI, NSYSU].
55. Q. H. Ansari and **Jen-Chih Yao**. Generalized vector equilibrium problems. *Journal of Statistics and Management Systems*, 5(1-3):209–225, 2002. [NSYSU].
56. Q. H. Ansari, A. Idzik, and **Jen-Chih Yao**. Coincidence and fixed point theorems with applications. *Topological Methods in Nonlinear Analysis*, 15(1):191–202, 2000. [NSYSU].
57. Q. H. Ansari and **Jen-Chih Yao**. Systems of generalized variational inequalities and their applications. *Applicable Analysis*, 76(3-4):203–217, 2000. [NSYSU].
58. C. S. Lee, Q. H. Ansari, and **Jen-Chih Yao**. A perturbed algorithm for strongly nonlinear variational-like inclusions. *Bulletin of the Australian Mathematical Society*, 62:417–426, 2000. [SCIE, NSYSU].
59. Ya. I. Alber and **Jen-Chih Yao**. Algorithm for generalized multivalued co-variational inequalities in Banach spaces. *Functional Differential Equation*, 7(1-2):5–13, 2000. [NSYSU].
60. Q. H. Ansari, I. V. Konnov, and **Jen-Chih Yao**. Existence of solutions and variational principles for vector equilibrium problems. *Journal of Optimization Theory and Applications*, 110(3):481–492, 2001. [SCI, NSYSU].
61. Q. H. Ansari, I. V. Konnov, and **Jen-Chih Yao**. Characterizations of solutions for vector equilibrium problems. *Journal of Optimization Theory and Applications*, 113(3):435–447, 2002. [SCI, NSYSU].
62. Q. H. Ansari, I. V. Konnov, and **Jen-Chih Yao**. On generalized vector equilibrium problems. *Nonlinear Analysis*, 47:543–554, 2001. [SCI, NSYSU].
63. J. Y. Chen, Ngai-Ching Wong, and **J. C. Yao**. Algorithm for generalized co-complementarity problems in Banach spaces. *Computer and Mathematics with Applications*, 43:49–54, 2002. [SCI, NSYSU].
64. Q. H. Ansari, X. Q. Yang, and **Jen-Chih Yao**. Existence and duality of implicit vector variational problems. *Numerical Functional Analysis and Optimization*, 22(7-8):815–829, 2001. [SCIE, NSYSU].
65. Q. H. Ansari, S. Schaible, and **Jen-Chih Yao**. The system of generalized vector equilibrium problems with applications. *Journal of Global Optimization*, 22:3–16, 2002. [SCI, NSYSU].
66. O. Chadli, Y. Chiang, and **Jen-Chih Yao**. Equilibrium problems with upper and lower bounds. *Applied Mathematics Letters*, 15:327–331, 2002. [SCI, NSYSU].

67. S. Y. Wu, X. Q. Yang, and **Jen-Chih Yao**. Relaxed inexact algorithm for continuous complementarity problems on measure spaces. *Journal of Optimization Theory and Applications*, 111(3):657–666, 2001. [SCI,NSYSU].
68. O. Chadli and **Jen-Chih Yao**. On generalized variational-like inequalities. *Archiv der Mathematik*, 80:331–336, 2003. [NSYSU].
69. Y. Chiang, O. Chadli, and **Jen-Chih Yao**. Existence of solutions to implicit vector variational inequalities. *Journal of Optimization Theory and Applications*, 116(2):251–264, 2003. [SCI,NSYSU].
70. X. Q. Yang and **Jen-Chih Yao**. Gap functions and existence of set-valued vector variational inequalities. *Journal of Optimization Theory and Applications*, 115:407–417, 2002. [SCI,NSYSU].
71. Q. H. Ansari and **Jen-Chih Yao**. On vector quasi-equilibrium problems. In P. Daniele, F. Giannessi, and A. Maugeri, editors, *Equilibrium Problems and Variational Models*, pages 1–18, Dordrecht, Boston, London, 2003. Kluwer Academic Publishers. [NSYSU].
72. Q. H. Ansari, S. Schaible, and **Jen-Chih Yao**. Generalized vector equilibrium problems under generalized pseudomonotonicity with applications. *Journal of Nonlinear and Convex Analysis*, 3(3):331–334, 2002. [NSYSU].
73. Ya. Alber, S. Reich, and **Jen-Chih Yao**. Iterative methods for solving fixed point problems with nonself-mappings in Banach spaces. *Abstract and Applied Analysis*, 4:193–216, 2003. [NSYSU].
74. O. Chadli, N. C. Wong, and **Jen-Chih Yao**. Equilibrium problems with applications to eigenvalue problems. *Journal of Optimization Theory and Applications*, 117(2):245–266, 2003. [SCI,NSYSU].
75. Y. Chiang, O. Chadli, and **Jen-Chih Yao**. Generalized vector equilibrium problems with trifunctions. *Journal of Global Optimization*, 30(2-3):135–154, Nov. 2004. [SCI,NSYSU](2004 Impact Factor: 0.693).
76. S. Kum, G. M. Lee, and **Jen-Chih Yao**. An existence result for implicit vector variational inequality with multifunctions. *Applied Mathematics Letters*, 16:453–458, 2003. [SCI,NSYSU].
77. Q. H. Ansari and **Jen-Chih Yao**. Coincidence point theorems with applications to minimax inequalities. In W. Takahashi and T. Tanaka, editors, *Proceedings of the Second International Conference on Nonlinear and Convex Analysis*, pages 7–14. Yokohama Publishers, 2003. [NSYSU].
78. **Jen-Chih Yao** and O. Chadli. Pseudomonotone complementarity problems and variational inequalities. In J. P. Crouzeix, N. Haddjissas, and S. Schaible, editors, *Handbook of Generalized Convexity and Monotonicity*, pages 501–558, 2005. [NSYSU].
79. Lu-Chuan Zeng and **Jen-Chih Yao**. A class of variational-like inequality problems and its equivalence with the least element problems. *Journal of Nonlinear and Convex Analysis*, 6:259–270, 2005. [NSYSU].
80. Yen-Cherng Lin and **Jen-Chih Yao**. A generalization of peleg’s theorem with applications to a system of variational inequalities. *International Journal of Pure and Applied Mathematics*, 5(2):225–237, 2003. [NSYSU].
81. O. Chadli, I. V. Konnov, and **Jen-Chih Yao**. Descent methods for equilibrium problems in a Banach space. *Computers and Mathematics with Applications*, 48(3-4):609–616, Aug. 2004. [SCI,NSYSU].
82. T. C. Lai, Y. C. Lin, and **Jen-Chih Yao**. Existence of equilibrium for abstract economics on pseudo  $h$ -spaces. *Applied Mathematics Letters*, 17(6):691–696, Jun. 2004. [SCI,NSYSU].
83. O. Chadli, S. Schaible, and **Jen-Chih Yao**. Regularized equilibrium problems with an application to noncoercive hemivariational inequalities. *Journal of Optimization Theory and Applications*, 121(3):571–596, Jun. 2004. [SCI,NSYSU].
84. Y. C. Lin and **Jen-Chih Yao**. Fixed point theorems on the product pseudo  $h$ -space and its applications. *Journal of Nonlinear and Convex Analysis*, 4:381–388, 2003. [NSYSU].

85. Q. H. Ansari, S. Schaible, and **Jen-Chih Yao**. Generalized vector quasi-variational inequality problems over product sets. *Journal of Global Optimization*, 32(4):437–449, 2005. [SCI,NSYSU](2005 Impact Factor: 0.662).
86. Y. Chiang and **Jen-Chih Yao**. Vector variational inequalities and  $(s)_+$  condition. *Journal of Optimization Theory and Applications*, 123(2):271–290, 2004. [SCI,NSYSU].
87. O. Chadli, X. Q. Yang, and **Jen-Chih Yao**. On generalized vector pre-variational and pre-quasivariational inequalities. *Journal of Mathematical Analysis and Applications*, 295(2):392–403, 2004. [SCI,NSYSU].
88. X. P. Ding, **Jen-Chih Yao**, and L. J. Lin. Solutions of system of generalized vector quasi-equilibrium problems in locally  $G$ -convex uniform spaces. *Journal of Mathematical Analysis and Applications*, 298(2):398–410, Oct. 2004. [SCI,NSYSU].
89. L. C. Zeng, S. Schaible, and **Jen-Chih Yao**. Iterative algorithm for generalized set-valued strongly nonlinear mixed variational-like inequalities. *Journal of Optimization Theory and Applications*, 124(3):725–738, Mar. 2005. [SCI,NSYSU](2005 Impact Factor: 0.612).
90. Y. C. Liou, S. Y. Wu, and **Jen-Chih Yao**. Bilevel decision with generalized semi-infinite optimization for fuzzy mappings as lower level problems. *Fuzzy Optimization and Decision Making*, 4:41–50, 2005. [SCI,NSYSU].
91. X. P. Ding and **Jen-Chih Yao**. Existence and algorithm of solutions for mixed quasi-variational-like inclusions in Banach spaces. *Computers and Mathematics with Applications*, 49(5-6):857–869, 2005. [SCI,NSYSU](2005 Impact Factor: 0.430).
92. Y. C. Liou and **Jen-Chih Yao**. Bilevel decision via variational inequalities. *Computers and Mathematics with Applications*, 49(7-8):1243–1253, 2005. [SCI,NSYSU](2005 Impact Factor: 0.430).
93. X. P. Ding and **Jen-Chih Yao**. Maximal element theorems with applications to generalized games and a system of generalized vector quasi-equilibrium problems in  $g$ -convex spaces. *Journal of Optimization Theory and Applications*, 126(3):571–588, 2005. [SCI,NSYSU](2005 Impact Factor: 0.612).
94. L. C. Zeng and **Jen-Chih Yao**. On the convergence analysis of the iterative method with errors for general mixed quasivariational inequalities in hilbert spaces. *Taiwanese Journal of Mathematics*, 10(4):949–961, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
95. Y. C. Liou, X. Q. Yang, and **Jen-Chih Yao**. Mathematical programs with vector optimization constraints. *Journal of Optimization Theory and Applications*, 126(2):345–355, 2005. [SCI,NSYSU](2005 Impact Factor: 0.612).
96. I. V. Konnov, S. Schaible, and **Jen-Chih Yao**. Combined relaxation method for mixed equilibrium problems. *Journal of Optimization Theory and Applications*, 126(2):309–322, 2005. [SCI,NSYSU](2005 Impact Factor: 0.612).
97. L. C. Zeng, N. C. Wong, and **Jen-Chih Yao**. Strong convergence theorems for strictly pseudocontractive mappings of browder-petryshyn type. *Taiwanese Journal of Mathematics*, 10(4):837–849, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
98. S. Schaible, **Jen-Chih Yao**, and L. C. Zeng. On the convergence analysis of an iterative algorithm for generalized set-valued variational inclusions. *Journal of Nonlinear and Convex Analysis*, 5:361–368, 2004. [SCI,NSYSU].
99. L. C. Zeng, S. M. Guu, and **Jen-Chih Yao**. Iterative algorithm for completely generalized set-valued strongly nonlinear mixed variational-like inequalities. *Computers and Mathematics with Applications*, 50(5-6):935–945, 2005. [SCI,NSYSU](2005 Impact Factor: 0.430).
100. X. P. Ding, Y. C. Liou, and **Jen-Chih Yao**. Generalized  $R$ - $KKM$  type theorems in topological spaces with applications. *Applied Mathematics Letters*, 18(12):1345–1350, 2005. [SCI,NSYSU](2005 Impact Factor: 0.345).



101. L. C. Zeng and **Jen-Chih Yao**. Strong convergence theorem by an extragradient method for fixed point problems and variational inequality problems. *Taiwanese Journal of Mathematics*, 10(5):1293–1303, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
102. S. Schaible, **Jen-Chih Yao**, and L. C. Zeng. A proximal method for pseudomonotone type variational-like inequalities. *Taiwanese Journal of Mathematics*, 10(2):497–513, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
103. L. C. Zeng, L. J. Lin, and **Jen-Chih Yao**. Auxiliary problem method for mixed variational-like inequalities. *Taiwanese Journal of mathematics*, 10(2):515–529, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
104. Y. C. Lin, N. C. Wong, and **Jen-Chih Yao**. Strong convergence theorems of Ishikawa iteration process with errors for fixed points of lipschitz continuous mappings in Banach spaces. *Taiwanese Journal of Mathematics*, 10(2):543–552, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
105. X. Wu, **Jen-Chih Yao**, and L. C. Zeng. Uniform normal structure and strong convergence theorems for asymptotically pseudocontractive mappings. To appear in *Journal of Nonlinear and Convex Analysis*, 2006. [SCI,NSYSU].
106. L. C. Zeng and **Jen-Chih Yao**. Convergence analysis of a modified inexact implicit method for general mixed monotone variational inequalities. *Mathematical Methods of Operations Research*, 62(2):211–224, 2005. [SCI,NSYSU](2005 Impact Factor: 0.259).
107. S. Huang and **Jen-Chih Yao**. Technical note discontinuous implicit quasivariational inequalities in normed spaces. *Journal of Optimization Theory and Applications*, 129(1):219–225, 2006. [SCI,NSYSU](2006 Impact Factor: 0.633).
108. Lu-Chuan Zeng, Ngai-Ching Wong, and **Jen-Chih Yao**. Convergence analysis of modified hybrid steepest-descent methods with variable parameters for variational inequalities. *J. Optimization Theory and Application*, 132(1):51–69, 2007. [SCI,NSYSU](2007 Impact Factor: 0.688).
109. Lu-Chuan Zeng, Ngai-Ching Wong, and **Jen-Chih Yao**. Convergence of hybrid steepest-descent methods for generalized variational inequalities. *ACTA Mathematica Sinica-English Series*, 22(1):1–12, 2006. [SCI,NSYSU](2006 Impact Factor: 0.440).
110. L. C. Zeng and **Jen-Chih Yao**. Sensitivity analysis of generalized set-valued quasi-variational inclusion in Banach spaces. *Applied Mathematics and Mechanics*, 28(1):97–102, 2007. [SCI,NSYSU](2007 Impact Factor:0.200).
111. O. Chadli, Z. H. Liu, and **Jen-Chih Yao**. Applications equilibrium problems to a class of noncoercive variational inequalities. *Journal of Optimization Theory and Applications*, 132(1):89–110, 2007. [SCI,NSYSU](2006 Impact Factor:0.633).
112. L. C. Zeng, S. M. Guu, and **Jen-Chih Yao**. Characterization of h-monotone operators with applications to variational inclusions. *Computers and Mathematics with Applications*, 50(3-4):329–337, 2005. [SCI,NSYSU](2005 Impact Factor: 0.430).
113. L. C. Zeng and **Jen-Chih Yao**. Stability of iterative procedures with errors for approximating common fixed points of a couple of  $q$ -contractive-like mappings, in Banach spaces. *Journal of Mathematical Analysis and Applications*, 321(2):661–674, 2006. [SCI,NSYSU](2006 Impact Factor: 0.758).
114. Y. C. Lin X. P. Ding and **Jen-Chih Yao**. Predictor-corrector algorithms for solving generalized mixed implicit quasi-equilibrium problems. *Applied Mathematics and Mechanics*, 27(9):1157–1164, 2006. [SCI,NSYSU](2006 Impact Factor:0.192).
115. S. Schaible, **Jen-Chih Yao**, and L. C. Zeng. On the existence and convergence of approximate solutions for mixed variational-like inequalities. *Optimization*, 56(1-2):105–114, 2007. [SCI,NSYSU](2007 Impact Factor:0.408).

116. S. Schaible, **Jen-Chih Yao**, and L. C. Zeng. Iterative method for set-valued mixed quasi-variational inequalities in a Banach space. *Journal of Optimization Theory and Applications*, 129(3):425–436, 2006. [SCI,NSYSU](2006 Impact Factor: 0.633).
117. L. C. Zeng and **Jen-Chih Yao**. Implicit iteration scheme with perturbed mapping for common fixed points of a finite family of nonexpansive mappings. *Nonlinear Analysis-Theory Methods & Applications*, 64(11):2507–2515, 2006. [SCI,NSYSU](2006 Impact Factor: 0.677).
118. L. C. Zeng and **Jen-Chih Yao**. On the Ishikawa-type iterative algorithm for generalized mixed variational inclusions involving  $H$ -accretive operators. To appear in *Applied Mathematics and Mechanics*, 2006. [SCI,NSYSU](2006 Impact Factor: 0.192).
119. L. C. Zeng and **Jen-Chih Yao**. Two step relaxed hybrid steepest-descent methods for variational inequalities. To appear in *Applied Mathematics and Mechanics*, 2006. [SCI,NSYSU](2006 Impact Factor: 0.192).
120. L. C. Zeng and **Jen-Chih Yao**. An existence result for generalized vector equilibrium problems without pseudomonotonicity. *Applied Mathematics Letters*, 19:1320–1326, 2006. [SCI,NSYSU](2006 Impact Factor: 0.546).
121. L. C. Zeng, Y. C. Lin, and **Jen-Chih Yao**. On weak and strong solutions of f-implicit generalized variational inequalities with applications. *Applied Mathematics Letters*, 19(7):684–689, 2006. [SCI,NSYSU](2006 Impact Factor: 0.546).
122. Y. C. Liou, S. Schaible, and **Jen-Chih Yao**. Supply chain inventory management via a Stackelberg equilibrium. *Journal of Industrial and Management Optimization*, 2(1):81–94, 2006. [NSYSU].
123. L. C. Zeng, S. Y. Wu, and **Jen-Chih Yao**. Generalized kkm theorem with applications to generalized minimax inequalities and generalized equilibrium problems. *Taiwanese Journal of Mathematics*, 10(6):1497–1514, 2006. [SCI,NSYSU](2006 Impact Factor:0.357).
124. L. C. Zeng and **Jen-Chih Yao**. Existence of solutions of generalized vector variational inequalities in reflexive Banach spaces. *Journal of Global Optimization*, 36(4):483–497, 2006. [SCI,NSYSU](2006 Impact Factor: 0.568).
125. X. P. Ding, Y. C. Lin, and **Jen-Chih Yao**. Three-step relaxed hybrid steepest-descent methods for variational inequalities. To appear in *Applied Mathematics and Mechanics*, 2006. [SCI,NSYSU](2006 Impact Factor: 0.192).
126. L. C. Zeng and **Jen-Chih Yao**. Generalized Minty’s lemma for generalized vector equilibrium problems. *Applied Mathematics Letters*, 20(1):32–37, 2007. [SCI,NSYSU](2006 Impact Factor: 0.546).
127. L. C. Zeng and **Jen-Chih Yao**. Existence theorems for variational inequalities in Banach spaces. *Journal of Optimization Theory and Applications*, 132(321-337), 2007. [SCI,NSYSU](2007 Impact Factor: 0.688).
128. L. C. Zeng and **Jen-Chih Yao**. Modified combined relaxation method for general monotone equilibrium problems in hilbert spaces. *Journal of Optimization Theory and Applications*, 131(3):469–483, 2006. [SCI,NSYSU](2006 Impact Factor: 0.633).
129. L. C. Ceng, P. Cubiotti, and **Jen-Chih Yao**. Approximation of common fixed points of families of nonexpansive mappings. *Taiwanese Journal of Mathematics*, 12(2):487–500, 2008. [SCI,NSYSU](2007 Impact Factor: 0.444).
130. L. C. Zeng and **Jen-Chih Yao**. An inexact proximal-type algorithm in Banach spaces. *Journal of Optimization Theory and Applications*, 135:145–161, 2007. [SCI,NSYSU](2007 Impact Factor: 0.688).
131. L. C. Zeng, T. Tanaka, and **Jen-Chih Yao**. Iterative construction of fixed points of nonself-mappings in Banach spaces. *Journal of Computatioanl and Applied Mathematics*, 206:814–825, 2007. [SCI,NSYSU](2007 Impact Factor: 0.943).

132. N. J. Huang, J. Li, and **Jen-Chih Yao**. Gap functions and existence of solutions for a system of vector equilibrium problems. *Journal of Optimization Theory and Applications*, 133:201–212, 2007. [SCI,NSYSU](2007 Impact Factor: 0.688).
133. L. C. Zeng, S. M. Guu, and **Jen-Chih Yao**. Three-step iterative algorithms for solving the system of generalized mixed quasi-variational-like inclusions. *Computers & Mathematics with Applications*, 53:1572–1581, 2007. [SCI,NSYSU](2007 Impact Factor: 0.720).
134. Lu-Chuan Ceng, Q. H. Ansari, and **Jen-Chih Yao**. Iterative algorithm for solving mixed quasi-variational-like inequalities with skew-symmetric terms in Banach spaces. *Journal of Inequalities and Applications*, Art. No. 82695:1–14, 2006. [SCI,NSYSU].
135. Lu-Chuan Ceng, Ngai-Ching Wong, and **Jen-Chih Yao**. Implicit predictor-corrector iteration process for finitely many asymptotically (Quasi-)nonexpansive mappings. *Journal of Inequalities and Applications*, Art. No. 65983:1–11, 2006. [SCI,NSYSU].
136. L. C. Ceng, P. Cubiotti, and **Jen-Chih Yao**. Strong convergence theorems for finitely many nonexpansive mappings and applications. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 67:1464–1473, 2007. [SCI,NSYSU](2007 Impact Factor: 1.097).
137. P. Cubiotti and **Jen-Chih Yao**. Discontinuous implicit generalized quasi-variational inequalities in Banach spaces. *JOURNAL OF GLOBAL OPTIMIZATION*, 37(2):263–274, 2007. [SCI,NSYSU](2006 Impact Factor: 0.568).
138. K. Kimura, Y. C. Liou, and **Jen-Chih Yao**. A parametric equilibrium problem with applications to optimization problems under equilibrium constraints. *Journal of Nonlinear and Convex Analysis*, 7:237–244, 2006. [NSYSU].
139. L. C. Ceng, C. Lee, and **Jen-Chih Yao**. Strong weak convergence theorems of implicit hybrid steepest-descent methods for variational inequalities. *Taiwanese Journal of Mathematics*, 12:227–244, 2008. [SCI,NSYSU](2007 Impact Factor: 0.444).
140. L. C. Ceng and **Jen-Chih Yao**. Approximate proximal methods in vector optimization. *European Journal of Operational Research*, 183:1–19, 2007. [SCI,NSYSU](2007 Impact Factor: 1.096).
141. Y. Yao and **Jen-Chih Yao**. On modified iterative method for nonexpansive mappings and monotone mappings. *Applied Mathematics and Computation*, 186(2):1551–1558, 2007. [SCI,NSYSU](2007 Impact Factor: 0.821).
142. L. C. Ceng and **Jen-Chih Yao**. Generalized implicit hybrid projection-proximal point algorithm for maximal monotone operators in hilbert space. To appear in *Taiwaness Journal of Mathematics*, 2007. [SCI,NSYSU](2006 Impact Factor: 0.357).
143. L. C. Ceng and **Jen-Chih Yao**. On the convergence analysis of inexact hybrid extragradient proximal point algorithms for maximal monotone operators. To appear in *Journal of Computational and Applied Mathematics*, 2007. [SCI,NSYSU](2006 Impact Factor: 0.759).
144. Y. Yao, Y. C. Liou, and **Jen-Chih Yao**. An iterative algorithm for approximating convex minimization problem. *Applied Mathematics and Computation*, 188:684–656, 2007. [SCI,NSYSU](2007 Impact Factor: 0.821).
145. Y. Yao, **Jen-Chih Yao**, and H. Zhou. Approximation methods for common fixed points of infinite countable family of nonexpansive mappings. *Computers and Mathematics with Applications*, 53:1380–1389, 2007. [SCI,NSYSU](2007 Impact Factor: 0.720).
146. Bui Trong Kien, N. C. Wong, and **Jen-Chih Yao**. On the solution existence of implicit quasivariational inequalities with discontinuous multifunctions. *Optimization*, 57(4):515–526, 2008. [SCI,NSYSU](2007 Impact Factor: 0.408).
147. K. Kimura and **Jen-Chih Yao**. Sensitivity analysis of vector equilibrium problems. To appear in *Taiwaness Journal of Mathematics*, 2007. [SCI,NSYSU](2006 Impact Factor: 0.357).

148. Y. H. Yao, Y. C. Liou, and **Jen-Chih Yao**. An extragradient method for fixed point problems and variational inequality problems. *JOURNAL OF INEQUALITIES AND APPLICATIONS*, Art. No. 38752:12 pages, 2007. [SCI,NSYSU](2007 Impact Factor: 0.408).
149. L. C. Ceng, Q. H. Ansari, and **Jen-Chih Yao**. Equivalence of generalized mixed complementarity and generalized mixed least element problems in ordered spaces. *Optimization*, 58:63–76, 2009. [SCI,NSYSU](2006 Impact Factor: 0.500).
150. K. Q. Wu, N. J. Huang, and **Jen-Chih Yao**. Existence theorems of solutions for a system of nonlinear inclusions with an application. *Journal of Inequalities and Applications*, Art. No. 56161:12 pages, 2007. [SCI,NSYSU](2007 Impact Factor: 0.408).
151. K. Kimura, Y. C. Liou, and **Jen-Chih Yao**. Semicontinuity of the solution mapping of  $\varepsilon$ -vector equilibrium problem. *Pacific Journal of Optimization*, 3(2):345–359, 2007. [SCI,NSYSU](2006 Impact Factor:).
152. R. Chen Y. Yao and **Jen-Chih Yao**. Strong convergence and certain control conditions of modified Mann iteration. *Nonlinear Analysis, TMA*, 68:1687–1693, 2008. [SCI,NSYSU](2007 Impact Factor: 1.097).
153. L. C. Ceng and **Jen-Chih Yao**. An extragradient-like approximation method for variational inequality problems and fixed point problem. *Applied Mathematics and Computation*, 190:205–215, 2007. [SCI,NSYSU](2007 Impact Factor: 0.821).
154. L. C. Ceng and **Jen-Chih Yao**. Approximate proximal algorithms for generalized variational inequalities with psedomonotone multifunctions. *Journal of Computational and Applied Mathematics*, 213(2):423–438, 2008. [SCI,NSYSU](2007 Impact Factor: 0.943).
155. Bui Trong Kien, Ngai-Ching Wong, and **Jen-Chih Yao**. On the solution existence of generalized quasi-variational inequalities with discontinuous multifunctions. *Journal of Optimization Theory and Applications*, 135(3):515–530, 2007. [SCI,NSYSU](2007 Impact Factor: 0.688).
156. L. C. Ceng, S. M. Guu, and **Jen-Chih Yao**. An iterative method for generalized nonlinear setvalued mixed Quasi-variational inequalities with  $h$ -monotone mappings. *Computers and Mathematics with Applications*, 54:476–483, 2007. [SCI,NSYSU](2007 Impact Factor: 0.720).
157. X. P. Ding and **Jen-Chih Yao**. Existence and algorithm of solutions for a new system of generalized mixed quasi-variational inclusions involving  $(h, \eta)$ -monotone mappings. *Nonlinear Functional Analysis and Applications*, 12(4):645–657, 2007. [NSYSU].
158. L. C. Ceng, Y. C. Lin, and **Jen-Chih Yao**. On generalized strong vector variational-like inequalities in Banach spaces. *Journal of Inequalities and Applications*, page 13 pages, 2007. Article Number:94092. [SCI,NSYSU](2007 Impact Factor: 0.408).
159. L. C. Ceng and **Jen-Chih Yao**. A hybrid iterative scheme for mixed equilibrium problems and fixed point porblems. *Journal of Computational and Applied Mathemaitcs*, 214(1):186–201, 2008. [SCI,NSYSU](2007 Impact Factor: 0.943).
160. Bui Trong Kien, Ngai-Ching Wong, and **Jen-Chih Yao**. Generalized vector variational inequalities with star-pseudomonotone and discontinuous functions. *Nonlinear Analysis, TMA*, 68(9):2859–2871, 2008. [SCI,NSYSU](2007 Impact Factor: 1.097).
161. X. P. Ding and **Jen-Chih Yao**. Sensitivity analysis for a system of parametric mixed quasi-variational inclusions. *Journal of Nonlinear and Convex Analysis*, 8:211–225, 2007. [NSYSU].
162. X. P. Ding and **Jen-Chih Yao**. New coincidence theorems in  $FC$ -spaces with applications. *Nonlinear Functional Analysis and Applications*, 13(3):447–463, 2008. [NSYSU].
163. L. C. Ceng, A. Petruşel, and **Jen-Chih Yao**. Strong convergence theorems of averaging iterations of nonexpansive nonself-mappings in Banach Spaces. *Fixed Point Theory*, 8:219–236, 2007. [NSYSU].
164. **Jen-Chih Yao** and L. C. Zeng. Fixed point theorems for asymptotically regular semigroups in metric spaces without uniform normal structure. To appear in *Journal of Nonlinear and Convex Analysis*, 2007. [NSYSU].

165. **Jen-Chih Yao** and L. C. Zeng. Strong convergence of averaged approximants for asymptotically pseudo-contractive mappings in Banach Spaces. *Journal of Nonlinear and Convex Analysis*, 8(2):451–462, 2007. [NSYSU].
166. Yakov I. Alber and **Jen-Chih Yao**. On the projection dynamical systems in Banach spaces. *Taiwanese Journal of Mathematics*, 11:819–847, 2007. [SCI,NSYSU](2007 Impact Factor: 0.444).
167. Adrian Petruşel, Ioan A. Rus, and **Jen-Chih Yao**. Well-posedness in the generalized sense of the fixed point problems for multivalued operators. *Taiwanese Journal of Mathematics*, 11:903–914, 2007. [SCI,NSYSU](2007 Impact Factor: 0.444).
168. K. Kimura and **Jen-Chih Yao**. Sensitivity analysis of solution mappings of parametric generalized quasi vector equilibrium problems. *Taiwanese Journal of Mathematics*, 12:2233–2268, 2008. [SCI,NSYSU](2007 Impact Factor: 0.444).
169. L. C. Ceng, S. Y. Wu, and **Jen-Chih Yao**. New accuracy criteria for modified approximate proximal point algorithms in hilbert space. *Taiwanese Journal of Mathematics*, 12:1691–1705, 2008. [SCI,NSYSU](2007 Impact Factor: 0.444).
170. L. C. Ceng, S. M. Guu, and **Jen-Chih Yao**. Generalized vector equilibrium-like problems without pseudomonotonicity in Banach spaces. *Journal of Inequalities and Applications*, Art. No. 61794:13 pages, 2007. [SCI,NSYSU](2007 Impact Factor: 0.408).
171. L. C. Ceng, S. Schaible, and **Jen-Chih Yao**. A generalization of Minty’s lemma and its applications to generalized mixed vector equilibrium problems. *Optimization*, 56:565–576, 2007. [SCI,NSYSU](2007 Impact Factor: 0.408).
172. S. S. Chang, **Jen-Chih Yao**, J. K. Kim, and L. Yang. Iterative approximation to convex feasibility problems in Banach space. *Fixed Point Theory and Applications*, Art. No. 46797:Article ID 46797, 19 pages, 2007. doi: 10.1155/2007/46797[SCI,NSYSU].
173. L. C. Ceng, S. Schaible, and **Jen-Chih Yao**. Existence of solutions for generalized vector variational-like inequalities. *Journal of Optimization Theory and Applications*, 137(1):121–133, 2008. [SCI,NSYSU](2007 Impact Factor: 0.688).
174. K. Kimura, Y. C. Liou, S. Y. Wu, and **Jen-Chih Yao**. Well-posedness for parametric vector equilibrium problems with applications. *Journal of Industrial and Management Optimization*, 4(2):313–327, 2008. [SCI,NSYSU](2007 Impact Factor: 0.722).
175. N. N. Tam, **Jen-Chih Yao**, and N. D. Yen. Solution methods for pseudomonotone variational inequalities. *Journal of Optimization Theory and Applications*, 138(2):253–273, 2008. [SCI,NSYSU](2007 Impact Factor: 0.688).
176. N. D. Yen, **Jen-Chih Yao**, and B. T. Kien. Covering properties at positive-order rates of multifunctions and some related topics. *Journal of Mathematical Analysis and Applications*, 338:467–478, 2008. [SCI,NSYSU](2007 Impact Factor: 872).
177. S. Al-Homidan, Q. H. Ansari, and **Jen-Chih Yao**. Some generalizations of ekeland-type variational principle with applications to equilibrium problems and fixed point theory. *Nonlinear Analysis-Theory Methods & Applications*, 69(1):126–139, 2008. [SCI,NSYSU](2007 Impact Factor: 1.097).
178. Y. P. Fang, N. J. Huang, and **Jen-Chih Yao**. Well-posedness of mixed variational inequalities, inclusion problems and fixed point problems. *Journal of Global Optimization*, 41(1):117–133, 2008. [SCI,NSYSU](2007 Impact Factor: 0.813).
179. B. T. Kien, **Jen-Chih Yao**, and N. D. Yen. On the solution existence of pseudomonotone variational inequalities. *Journal of Global Optimization*, 41(1):135–145, 2008. [SCI,NSYSU](2007 Impact Factor: 0.813).
180. A. Petruşel and **Jen-Chih Yao**. Viscosity approximation to common fixed points of families of nonexpansive mappings with generalized contractions mappings. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 69:1100–1111, 2008. [SCI,NSYSU].

181. L. C. Ceng and **Jen-Chih Yao**. Viscosity relaxed-extragradient method for monotone variational inequalities and fixed point problems. *Journal of Mathematical Inequalities*, 1(2):225–241, 2007. [SCI,NSYSU].
182. L. C. Ceng, T. C. Lai, and **Jen-Chih Yao**. Approximate proximal algorithms for generalized variational inequalities with paramonotonicity and pseudomonotonicity. *Computers & Mathematics with Applications*, 55(6):1262–1269, 2008. [SCI,NSYSU](2007 Impact Factor: 0.720).
183. K. Kimura and **Jen-Chih Yao**. Sensitivity analysis of solution mappings of parametric vector quasi-equilibrium problems. *Journal of Global Optimization*, 41(2):187–202, 2008. [SCI,NSYSU](2007 Impact Factor: 0.813).
184. L. C. Ceng, H. K. Xu, and **Jen-Chih Yao**. The viscosity approximation method for asymptotically nonexpansive mappings in banach spaces. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 69:1402–1412, 2008. [SCI,NSYSU].
185. Lu-Chuan Zeng, Ngai-Ching Wong, and **Jen-Chih Yao**. Convergence analysis of iterative sequences for a pair of mappings in Banach spaces. *Acta Math Sinica(english series)*, 24(3):463–470, 2008. [SCI,NSYSU](2007 Impact Factor: 0.562).
186. K. Kimura and **Jen-Chih Yao**. Semicontinuity of solution mappings of parametric generalized strong vector equilibrium problems. *Journal of Industrial and Management Optimization*, 4:167–181, 2008. [SCI,NSYSU](2007 Impact Factor: 0.722).
187. B. T. Kien and **Jen-Chih Yao**. Localization of generalized normal maps and stability of variational inequalities in reflexive banach spaces. *Set-Valued Analysis*, 16:399–412, 2008. [SCI,NSYSU].
188. Q.H. Ansari, X.Q. Yang, and **Jen-Chih Yao**. Generalized Quasi-variational inequalities over product spaces. *Frontiers in Optimization and Control*, pages 1–17, 2007. [SCI,NSYSU].
189. L. C. Ceng, S. Schaible, and **Jen-Chih Yao**. Implicit iteration scheme with perturbed mapping for equilibrium problems and fixed point problems of finitely many nonexpansive mappings. *Journal of Optimization Theory and Applications*, 139:403–418, 2008. [SCI,NSYSU].
190. L. C. Ceng, P. Cubiotti, and **Jen-Chih Yao**. An implicit iterative scheme for monotone variational inequalities and fixed point problems. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 69:2445–2457, 2008. [SCI,NSYSU].
191. L. C. Ceng, G. Mastroeni, and **Jen-Chih Yao**. Existence of solutions and variational principles for generalized vector systems. *Journal of Optimization Theory and Applications*, 137(3):485–495, 2008. [SCI,NSYSU](2007 Impact Factor: 0.688).
192. Y. H. Yao, Y. C. Liou, and **Jen-Chih Yao**. Convergence theorem for equilibrium problems and fixed point problems of infinite family of nonexpansive mappings. *Fixed Point Theory and Applications Article Number: 64363*, page 12 pages, 2007. [SCI,NSYSU].
193. K. Kimura and **Jen-Chih Yao**. Semicontinuity of solution mappings of parametric generalized vector equilibrium problems. *Journal of Optimization Theory and Applications*, 138:429–443, 2008. [SCI,NSYSU].
194. X. H. Gong and **Jen-Chih Yao**. Connectedness of the set of efficient solutions for generalized systems. *Journal of Optimization Theory and Applications*, 138(2):189–196, 2008. [SCI,NSYSU](2007 Impact Factor: 0.688).
195. X. H. Gong and **Jen-Chih Yao**. Lower semicontinuity of the set of efficient solutions for generalized systems. *Journal of Optimization Theory and Applications*, 138(2):197–205, 2008. [SCI,NSYSU](2007 Impact Factor: 0.688).
196. L. C. Ceng and **Jen-Chih Yao**. Relaxed viscosity approximation methods for fixed point problems and variational inequality problems. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 69:3299–3309, 2008. [SCI,NSYSU].

197. L. C. Ceng and **Jen-Chih Yao**. Hybrid viscosity approximation schemes for equilibrium problems and fixed point problems of infinitely many nonexpansive mappings. *Applied Mathematics and Computation*, 198:729–741, 2008. [SCI,NSYSU](2007 Impact Factor: 0.821).
198. Y. C. Liou, V. Obukhovskii, and **Jen-Chih Yao**. Controllability for a class of degenerate functional differential inclusions in a Banach space. *Taiwanese Journal of Mathematics*, 12(8):2179–2200, 2008. [SCI,NSYSU].
199. X. H. Gong, K. Kimura, and **Jen-Chih Yao**. Sensitivity analysis of strong vector equilibrium problems. *Journal of Nonlinear and Convex Analysis*, 9(1):83–94, 2008. [SCI,NSYSU].
200. B. T. Kien, Y. C. Liou, N. C. Wong, and **Jen-Chih Yao**. Subgradients of value functions in parametric dynamic programming. *European J. Operation Research*, 193(1):12–22, 2009. [SCI,NSYSU](2007 Impact Factor: 1.096).
201. L. C. Ceng, G. M. Lee, and **Jen-Chih Yao**. Generalized variational-like inequalities with compositely monotone multifunctions. *Journal of The Korean Mathematical Society*, 45(3):841–858, 2008. [SCI,NSYSU](2007 Impact Factor: 0.171).
202. L. C. Ceng and **Jen-Chih Yao**. Mixed projection methods for systems of variational inequalities. *Journal of Global Optimization*, 41:465–478, 2008. [SCI,NSYSU].
203. Y. C. Liou, V. Obukhovskii, and **Jen-Chih Yao**. Application of coincidence index to some classes of impulsive systems. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 69:4392–4411, 2008. [SCI,NSYSU](2007 Impact Factor: 0.171).
204. L. C. Ceng, G. Mastroeni, and **Jen-Chih Yao**. An inexact proximal-type method for the generalized variational inequality in banach spaces. *Journal of Inequalities and Applications Article Number: 78124*, 2007. [SCI,NSYSU](2007 Impact Factor: 0.408).
205. L. C. Ceng, A. Petruşel, and **Jen-Chih Yao**. Implicit iteration scheme with perturbed mapping for common fixed points of a finite family of lipschitz pseudocontractive mappings. *Journal of Mathematical Inequalities*, 1(2):243–258, 2007. [SCI,NSYSU].
206. L. C. Ceng and **Jen-Chih Yao**. Well-posedness of generalized mixed variational inequalities, inclusion problems and fixed point problems. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 69:4585–4603, 2008. [SCI,NSYSU](2007 Impact Factor: 0.408).
207. Bui Trong Kien, Mu-Ming Wong, Ngai-Ching Wong, and **Jen-Chih Yao**. Degree theory for generalized variational inequalities and applications. *European J. Operation Research*, in press, 192(3):730–736, 2009. [SCI,NSYSU](2007 Impact Factor: 1.096).
208. X. P. Ding, **Jen-Chih Yao**, and L. C. Zeng. Existence and algorithm of solutions for generalized strongly nonlinear mixed variational-like inequalities in banach spaces. *Computers & Mathematics With Applications*, 55:669–679, 2008. [SCI,NSYSU](2007 Impact Factor: 0.720).
209. L. C. Ceng, C. Y. Wang, and **Jen-Chih Yao**.
210. L. C. Ceng, **Jen-Chih Yao**, and Q. H. Ansari. On generalized vector mixed variational-like inequalities with complete semicontinuity, dynamics of continuous. *Discrete and Impulsive Systems, Ser. B: Applications and Algorithms* (to appear), 2009. [SCI,NSYSU].
211. L. C. Ceng, S. M. Guu, and **Jen-Chih Yao**. Iterative algorithm for finding approximate solutions of mixed Quasi-variational-like inclusions. *Computers and Mathematics with Applications* (to appear), 2008. [SCI,NSYSU].
212. N. M. Hung and **Jen-Chih Yao**. Cauchy-Dirichlet problem for second order hyperbolic equations in cylinders with non-smooth base. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 70:741–756, 2009. [SCI,NSYSU].

213. L. C. Ceng, S. M. Guu, and **Jen-Chih Yao**. Iterative approximation of solutions for a class of completely generalized set-valued quasi-variational inclusions. *Computers and Mathematics with Applications* (to appear), 2008. [SCI,NSYSU].
214. X. P. Ding, C. S. Lee, and **Jen-Chih Yao**. Generalized constrained multiobjective games in locally FC-uniform spaces. *Applied Mathematics and Mechanics-English Edition*, 29:301–309, 2008. [SCI,NSYSU](2007 Impact Factor: 0.200).
215. D. R. Sahu, N. C. Wong, and **Jen-Chih Yao**. Solving variational inequalities involving nonexpansive type mappings. *Nonlinear Analysis, Series A: TMA*, 69(12):4732–4753, 2008. [SCI,NSYSU](2007 Impact Factor: 1.097).
216. L. C. Ceng, G. Y. Chen, X. X. Huang, and **Jen-Chih Yao**. Existence theorems for generalized vector variational inequalities with pseudomonotonicity and their applications. *Taiwanese Journal of Mathematics*, 12:151–172, 2008. [SCI,NSYSU].
217. L. C. Ceng, H. K. Xu, and **Jen-Chih Yao**. Strong convergence of an iterative method with perturbed mappings for nonexpansive and accretive operators. *Numerical Functional Analysis and Optimization*, 29(3-4):324–345, 2008. [SCI,NSYSU](2007 Impact Factor: 0.465).
218. Y. H. Yao, Y. C. Liou, and **Jen-Chih Yao**. A new hybrid iterative algorithm for fixed-point problems, variational inequality problems, and mixed equilibrium problems. *Fixed Point Theory and Applications Article Number: 417089*, 2008. [SCI,NSYSU].
219. L. C. Ceng, P. Cubiotti, and **Jen-Chih Yao**. Existence of vector mixed variational inequalities in banach spaces. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 70:1239–1256, 2009. [SCI,NSYSU].
220. N. D. Yen and **Jen-Chih Yao**. Vertical tangent vectors to the graph of a multifunction. *Taiwanese Journal of Mathematics*, 12(5):1293–1302, 2008. [SCI,NSYSU].
221. L. C. Zeng and **Jen-Chih Yao**. A hybrid extragradient method for general variational inequalities. *Mathematical Methods of Operations Research*, 69:141–158, 2009. [SCI,NSYSU].
222. Q. H. Ansari L. C. Ceng, A. R. Khan and **Jen-Chih Yao**. Strong convergence of composite iterative schemes for zeros of  $m$ -accretive operators in Banach spaces. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 70:1830–1840, 2009. [SCI,NSYSU].
223. L. C. Ceng, S. Al-Homidan, Q. H. Ansari, and **Jen-Chih Yao**. An iterative scheme for equilibrium problems and fixed point problems of strict pseudo-contraction mappings. *Journal of Computational and Applied Mathematics*, 223:967–974, 2009. [SCI,NSYSU].
224. Bui Trong Kien, Mu-Ming Wong, Ngai-Ching Wong, and **Jen-Chih Yao**. Solution existence of variational inequalities with pseudomonotone operators in the sense of brezis. *J. Optimization Theory and Application*, in press, 140:249–263, 2009. [SCI,NSYSU](2006 Impact Factor: ).
225. B. T. Kien, Ngai-Ching Wong, and **Jen-Chih Yao**. Necessary conditions for multiobjective optimal control problems with free end-time. *SIAM J. Control and Optimization*, 47(5):2251–2274, 2008. [SCI,NSYSU](2008 Impact Factor: 1.517).
226. M. M. Wong, Q. H. Ansari, and **Jen-Chih Yao**. Existence of solutions of generalized variational inequalities in reflexive Banach spaces. *Applied Mathematics Letters*, 22:197–201, 2009. [SCI,NSYSU].
227. D. R. Sahu, N. C. Wong, and **Jen-Chih Yao**. On convergence analysis of an iterative algorithm for finding common solution of generalized mixed equilibrium problems and fixed point problems. *Mathematical Inequalities & Applications*, 12:625–649, 2009. [SCI,NSYSU].
228. N. D. Yen and **Jen-Chih Yao**. Pointbased sufficient conditions for metric regularity of implicit multifunctions. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 70:2806–2815, 2009. [SCI,NSYSU].
229. Ya. I. Alber and **Jen-Chih Yao**. Another version of the proximal point algorithm in a banach space. *Nonlinear Analysis Series A: Theory, Methods & Applications*, (70):3159–3171, 2009. [SCI,NSYSU].



230. L. C. Ceng, S. Schaible, and **Jen-Chih Yao**. On the characterization of strong convergence of an iterative algorithm for a class of multi-valued variational inclusions. *Mathematical Methods of Operations Research*, 70:1–12, 2009. [SCI,NSYSU].
231. Li-Hui Peng, Chong Li, and **Jen-Chih Yao**. Well-posedness of a class of perturbed optimization problems in banach spaces. *Journal of Mathematical Analysis and Applications*, 346:384–394, 2008. [SCI,NSYSU].
232. Lu-Chuan Zeng, Chang yu Wang, and **Jen-Chih Yao**. On general variable-step relaxed projection method for strongly Quasivariational inequalities. *Optimization*, 57:607–620, 2008. [SCI,NSYSU].
233. Lu-Chuan Ceng, N. C. Wong, and **Jen-Chih Yao**. Fixed point solutions of variational inequalities for a finite family of asymptotically nonexpansive mappings without common fixed point assumption. *Computers and Mathematics with Applications*, 56(9):2312–2322, 2008. [SCI,NSYSU](2007 Impact Factor: 0.720).
234. L. C. Ceng, Q. H. Ansari, and **Jen-Chih Yao**. General iterative algorithms for solving mixed quasi-variational-like inclusions. To appear in *Computers and Mathematics with Applications*, 2009. [SCI,NSYSU].
235. L. C. Ceng, S. Schaible, and **Jen-Chih Yao**. Hybrid steepest descent methods for zeros of nonlinear operators with applications to variational inequalities. *Journal of Optimization Theory and Applications*, 141:75–91, 2009. [SCI,NSYSU].
236. L. C. Ceng and **Jen-Chih Yao**. On generalized variational-like inequalities with generalized monotone multivalued mappings. *Applied Mathematics Letters*, 22:428–434, 2009. [SCI,NSYSU].
237. J. W. Peng and **Jen-Chih Yao**. A modified cq method for equilibrium problems, fixed points and variational inequality. *Fixed Point Theory*, 9:515–531, 2008. [SCI,NSYSU].
238. Rais Ahmad and **Jen-Chih Yao**. System of generalized resolvent equations with corresponding system of variational inclusions. *Journal of Global Optimization*, 44:297–309, 2009. [SCI,NSYSU].
239. S. Schaible L. C. Ceng and **Jen-Chih Yao**. Strong convergence of iterative algorithms for variational inequalities in banach spaces. *Journal of Optimization Theory and Applications*, 141:265–283, 2009. [SCI,NSYSU].
240. L. C. Ceng, Q. H. Ansari, and **Jen-Chih Yao**. Viscosity approximation methods for generalized equilibrium problems and fixed point problems. *Journal of Global Optimization*, 43:487–502, 2009. [SCI,NSYSU].
241. L. C. Ceng, A. Petruşel, and **Jen-Chih Yao**. Weak convergence theorem by a modified extragradient method for nonexpansive mappings and monotone mappings. *Fixed Point Theory*, 9:73–88, 2008. [SCI,NSYSU].
242. Enrique Llorens Fuster, A. Petruşel, and **Jen-Chih Yao**. Iterated functions systems and well-posedness, chaos. *Solitons and Fractals*, 41:1561–1568, 2009. [SCI,NSYSU].
243. N. Q. Huy, B. S. Mordukhovich, and **Jen-Chih Yao**. Coderivatives of frontier and solution maps in parametric multiobjective optimization. *Taiwanese Journal of Mathematics*, 12(8):2083–2111, 2008. [SCI,NSYSU].
244. L. C. Ceng and **Jen-Chih Yao**. An iterative algorithm for system of mixed variational-like inequalities. *Journal of Mathematical Inequalities*, 4:95–106, 2010. [SCI,NSYSU].
245. Adrian Petruşel and **Jen-Chih Yao**. Viscosity approximations by generalized contractions for resolvents of accretive operators in banach spaces. *Acta Mathematica Sinica, English Series*, 25:553–564, 2009. [SCI,NSYSU].
246. L. C. Ceng adn Q. H. Ansari and **Jen-Chih Yao**. Mann type steepest-descent and modified hybrid steepest-descent methods for variational inequalities in banach spaces. *Numerical Functional Analysis and Optimization*, 29(9-10):987–1033, 2008. [SCI,NSYSU].

247. L. C. Ceng, H. K. Xu, and **Jen-Chih Yao**. A hybrid steepest-descent method for variational inequalities in hilbert spaces. *Applicable Analysis*, 87:575–589, 2008. [SCI,NSYSU].
248. D. R. Sahu, H. K. Xu, and **Jen-Chih Yao**. Asymptotically strict pseudocontractive mappings in the intermediate sense. *Nonlinear Analysis, TMA*, 70:3502–3511, 2009. [SCI,NSYSU].
249. J. W. Peng and **Jen-Chih Yao**. A new hybrid-extragradient method for generalized mixed equilibrium problems and fixed point problems and variational inequality problems. *Taiwanese Journal of Mathematics*, 12:1401–1433, 2008. [SCI,NSYSU].
250. J. W. Peng and **Jen-Chih Yao**. Some new iterative algorithms for generalized mixed equilibrium problems with strict pseudo-contractions and monotone mappings. *Taiwanese Journal of Mathematics*, 13:1537–1582, 2009. [SCI,NSYSU].
251. L. C. Ceng, A. Petruşel, and **Jen-Chih Yao**. Strong convergence of modified implicit iterative algorithms with perturbed mappings for continuous pseudocontractive mappings. *Applied Mathematics and Computation*, 209:162–176, 2009. [SCI,NSYSU].
252. L. C. Ceng, N. Hadjisavvas, S. Schaible, and **Jen-Chih Yao**. Well-posedness for mixed quasivariational-like inequalities. *Journal of Optimization Theory and Applications*, 139:109–125, 2008. [SCI,NSYSU].
253. L. C. Ceng, A.R. Khan, Q.H. Ansari, and **Jen-Chih Yao**. Viscosity approximation methods for strongly positive and monotone operators in hilbert spaces. *Fixed Point Theory*, 10:35–71, 2009. [SCI,NSYSU].
254. **Jen-Chih Yao** and N. D. Yen. Coderivative calculation related to a parametric affine variational inequality. part 1: Basic calculations. *Acta Mathematica Vietnamica*, 34:155–170, 2009. [SCI,NSYSU].
255. L. C. Ceng and **Jen-Chih Yao**. Convergence analysis of a hybrid mann iterative scheme with perturbed mapping for variational inequalities and fixed point problems. To appear in *Optimization*, 2009. [SCI,NSYSU].
256. J. W. Peng, Y. C. Liou, and **Jen-Chih Yao**. An iterative algorithm combining viscosity method with parallel method for a generalized equilibrium problem and strict pseudo-contractions. *Fixed Point Theory and Applications*, Art. No. 794178:Article ID 794178, 21 pages, 2009. [SCI,NSYSU].
257. L. C. Ceng, A. Petruşel, and **Jen-Chih Yao**. Iterative approaches to solving equilibrium problems and fixed point problems of infinitely many nonexpansive mappings. *Journal of Optimization Theory and Applications*, 143:37–58, 2009. [SCI,NSYSU].
258. J. W. Peng and **Jen-Chih Yao**. A new extragradient method for mixed equilibrium problems, fixed point problems and variational inequality problems. *Mathematical and Computer Modelling*, 49:1816–1828, 2009. [SCI,NSYSU].
259. K. Kimura, Yiou Y. C, David S. Shyu, and **Jen-Chih Yao**. Simultaneous system of vector equilibrium problems. *Journal of Industrial and Management Optimization*, 5:161–174, 2009. [SCI,NSYSU].
260. Phan Quoc Khanh, Nguyen Hong Quan, and **Jen-Chih Yao**. Generalized kkm-type theorems in gfc-spaces and applications. *Nonlinear Analysis, Theory Methods and Applications*, 71:1227–1234, 2009. [SCI,NSYSU].
261. J. W. Peng and **Jen-Chih Yao**. Weak convergence of an iterative scheme for generalized equilibrium problems. To appear in *Bulletin of the Australian Mathematical Society*, 2009. [SCI,NSYSU].
262. L. C. Zeng, Q. H. Ansari, and **Jen-Chih Yao**. General iterative algorithms for solving mixed quasi-variational-like inclusions. *Computers and Mathematics with Applications*, 56:2455–2467, 2008. [SCI,NSYSU].
263. J. W. Peng, Y. Wang, David S. Shyu, and **Jen-Chih Yao**. Common solutions of an iterative scheme for variational inclusions, equilibrium problems and fixed point problems. *Journal of Inequalities and Applications*, Art. No. 720371:Article ID 720371, 15 pages, 2008. [SCI,NSYSU].

264. T. D. Chuong, N. Q. Huy, and **Jen-Chih Yao**. Stability of semi-infinite vector optimization problems under functional perturbations. *Journal of Global Optimization*, 45:583–595, 2009. [SCI,NSYSU].
265. Nguyen Manh Hung and **Jen-Chih Yao**. On the asymptotics of solutions of the first initial boundary value problem for hyperbolic systems in infinite cylinders with base containing conical points. *Nonlinear Analysis, Theory Methods and Applications*, 71:1620–1635, 2009. [SCI,NSYSU].
266. L. C. Ceng, S. Schaible, and **Jen-Chih Yao**. Strong convergence theorems for maximal monotone operators in banach spaces. *Optimization*, 59:807–819, 2010. [SCI,NSYSU].
267. T. D. Chuong, N. Q. Huy, and **Jen-Chih Yao**. Pseudo-lipschitz property of linear semi-infinite vector optimization problems. *European Journal of Operational Research*, 200:639–644, 2010. [SCI,NSYSU].
268. **Jen-Chih Yao** and N. D. Yen. Coderivative calculation related to a parametric affine variational inequality. part 2: Applications. *Pacific Journal of Optimization*, 5:493–506, 2009. [SCI,NSYSU].
269. Nguyen Huy Chieu and **Jen-Chih Yao**. Characterization of convexity for a piecewise  $c^2$  function by the limiting second-order subdifferential. To appear in *Taiwanese Journal of Mathematics*, 2009. [SCI,NSYSU].
270. L. C. Ceng, G. Mastroeni, and **Jen-Chih Yao**. Hybrid proximal-point method for common solutions of equilibrium problems and zeros of maximal monotone operators. *Journal of Optimization Theory and Applications*, 142:431–449, 2009. [SCI,NSYSU].
271. A. Petruşel and **Jen-Chih Yao**. An extragradient iterative scheme by viscosity approximation methods for fixed point problems and variational inequality problems. *Central European Journal of Mathematics*, 7:335–347, 2009. [SCI,NSYSU].
272. J. W. Peng and **Jen-Chih Yao**. Some new extragradient-like methods for generalized equilibrium problems, fixed points problems and variational inequality problems. To appear in *Optimization Methods and Software*, 2009. [SCI,NSYSU].
273. L. C. Ceng, S. Schaible, and **Jen-Chih Yao**. Approximate solutions of variational inequalities on sets of common fixed points of a one-parametric semigroup of nonexpansive mappings. *Journal of Optimization Theory and Applications*, 143:245–263, 2009. [SCI,NSYSU].
274. L. C. Ceng, Q. H. Ansari, and **Jen-Chih Yao**. On relaxed viscosity iterative methods for variational inequalities in banach spaces. *Journal of Computational and Applied Mathematics*, 230:813–822, 2009. [SCI,NSYSU].
275. L. C. Ceng, S. M. Guu, and **Jen-Chih Yao**. On generalized implicit vector equilibrium problems in banach spaces. *Computers and Mathematics with Applications*, 57:1682–1691, 2009. [SCI,NSYSU].
276. L. C. Ceng, S. M. Guu, and **Jen-Chih Yao**. Hybrid viscosity-like approximation methods for nonexpansive mappings in hilbert spaces. *Computers and Mathematics with Applications*, 58:605–617, 2009. [SCI,NSYSU].
277. J. W. Peng, Weidong Rong, and **Jen-Chih Yao**. A new extension theorem for concave operators. *Fixed Point Theory and Applications*, Art. No. 571546:Article ID 571546, 8 pages, 2009. [SCI,NSYSU].
278. L. C. Ceng, M. M. Wong, and **Jen-Chih Yao**. Approximate common fixed points for one-parameter family of nonexpansive nonself-mappings. *Fixed Point Theory*, 10:199–220, 2009. [SCI,NSYSU].
279. L. Q. Anh, P. Q. Khanh, D. T. M. Van, and **Jen-Chih Yao**. Well-posedness for vector quasiequilibria. *Taiwanese Journal of Mathematics*, 13:713–737, 2009. [SCI,NSYSU].
280. Mauro Passacantando Giandomenico Mastroeni, Barbara Panicucci and **Jen-Chih Yao**. A separation approach to vector quasi-equilibrium problems: Saddle point and gap function. *Taiwanese Journal of Mathematics*, 13:657–673, 2009. [SCI,NSYSU].
281. L. C. Ceng and **Jen-Chih Yao**. Strong convergence of an iterative algorithm for nonself multimaps in banach spaces. *Nonlinear Analysis, Theory Methods and Applications*, 71:4476–4485, 2009. [SCI,NSYSU].

282. Ya-Ping Fang, Nan-Jing Huang, and **Jen-Chih Yao**. Well-posedness by perturbations of mixed variational inequalities in banach spaces. *European Journal of Operational Research*, 201:682–692, 2010. [SCI,NSYSU].
283. Thai Doan Chuong and Jen-Chih Yao. Coderivatives of efficient point multifunctions in parametric vector optimization. *Taiwanese J. Math.*, 13(6A):1671–1693, 2009. [SCI,NSYSU].
284. L. C. Zeng, Y. C. Lin, and **Jen-Chih Yao**. Iterative schemes for generalized equilibrium problem and two maximal monotone operators. *J. Inequal. Appl.*, pages Art. ID 896252, 34, 2009. [SCI,NSYSU].
285. Jian-Wen Peng and Jen-Chih Yao. A viscosity approximation scheme for system of equilibrium problems, nonexpansive mappings and monotone mappings. *Nonlinear Analysis, Theory Methods and Applications*, 71(12):6001–6010, 2009. [SCI,NSYSU].
286. T. D. Chuong, **Jen-Chih Yao**, and N. D. Yen. Further results on the lower semicontinuity of efficient point multifunctions. *Pacific Journal of Optimization*, 6:405–422, 2010. [SCI,NSYSU].
287. Thai Doan Chuong and **Jen-Chih Yao**. Sufficient conditions for pseudo-Lipschitz property in convex semi-infinite vector optimization problems. *Nonlinear Analysis, Theory Methods and Applications*, 71(12):6312–6322, 2009. [SCI,NSYSU].
288. Thai Doan Chuong, Nguyen Quang Huy, and **Jen-Chih Yao**. Subdifferentials of marginal functions in semi-infinite programming. *SIAM J. Optim.*, 20(3):1462–1477, 2009. [SCI,NSYSU].
289. Lu-Chuan Ceng and **Jen-Chih Yao**. A relaxed extragradient-like method for a generalized mixed equilibrium problem, a general system of generalized equilibria and a fixed point problem. *Nonlinear Analysis, Theory Methods and Applications*, 72(3-4):1922–1937, 2010. [SCI,NSYSU].
290. L. C. Ceng, Y. C. Liou, and **Jen-Chih Yao**. Robustness of Mann type algorithm with perturbed mapping for nonexpansive mappings in Banach spaces. *Fixed Point Theory Appl.*, pages Art. ID 734181, 21, 2010. [SCI,NSYSU].
291. L. C. Ceng, D. R. Sahu, and **Jen-Chih Yao**. Implicit iterative algorithms for asymptotically nonexpansive mappings in the intermediate sense and Lipschitz-continuous monotone mappings. *J. Comput. Appl. Math.*, 233(11):2902–2915, 2010. [SCI,NSYSU].
292. Jian-Wen Peng and **Jen-Chih Yao**. Ishikawa iterative algorithms for a generalized equilibrium problem and fixed point problems of a pseudo-contraction mapping. *J. Global Optim.*, 46(3):331–345, 2010. [SCI,NSYSU].
293. Lu-Chuan Ceng, Sy-Ming Guu, and **Jen-Chih Yao**. A general iterative method with strongly positive operators for general variational inequalities. *Comput. Math. Appl.*, 59(4):1441–1452, 2010. [SCI,NSYSU].
294. L.-C. Zeng, Q. H. Ansari, David S. Shyu, and **Jen-Chih Yao**. Strong and weak convergence theorems for common solutions of generalized equilibrium problems and zeros of maximal monotone operators. *Fixed Point Theory Appl.*, pages Art. ID 590278, 33, 2010. [SCI,NSYSU].
295. Nguyen Huy Chieu and **Jen-Chih Yao**. Subgradients of the optimal value function in a parametric discrete optimal control problem. *J. Ind. Manag. Optim.*, 6(2):401–410, 2010. [SCI,NSYSU].
296. J. W. Peng and **Jen-Chih Yao**. On a new system of generalized mixed quasi-variational-like inclusions involving  $(A, \eta, m)$ -accretive operators with applications. *J. Comput. Appl. Math.*, 234(1):21–33, 2010. [SCI,NSYSU].
297. N. Hadjisavvas, S. Schaible, and **Jen-Chih Yao**. Preface [SI on the occasion of Prof. Franco Giannessi's 75th birthday]. *J. Global Optim.*, 46(4):487–488, 2010. [SCI,NSYSU].
298. P. Cubiotti and **Jen-Chih Yao**. Nash equilibria of generalized games in normed spaces without upper semicontinuity. *J. Global Optim.*, 46(4):509–519, 2010. [SCI,NSYSU].
299. N. H. Chieu, **Jen-Chih Yao**, and N. D. Yen. Relationships between Robinson metric regularity and Lipschitz-like behavior of implicit multifunctions. *Nonlinear Analysis, Theory Methods and Applications*, 72(9-10):3594–3601, 2010. [SCI,NSYSU].

300. W. Takahashi, **Jen-Chih Yao**, and F. Kohsaka. The fixed point property and unbounded sets in Banach spaces. *Taiwanese J. Math.*, 14(2):733–742, 2010. [SCI,NSYSU].
301. V. Obukhovskii and **Jen-Chih Yao**. Some existence results for fractional functional differential equations. *Fixed Point Theory*, 11(1):85–96, 2010. [SCI,NSYSU].

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(A) 期刊論文

1. Yau-Chuen Wong and **Ngai-Ching Wong**. Topologies and bornologies determined by operator ideals. *Mathematische Annalen*, 282:587–614, 1988. [SCI].
2. **Ngai-Ching Wong** and Yau-Chuen Wong. The bornologically surjective hull of an operator ideal on locally convex spaces. *Mathematische Nachrichten*, 160:265–275, 1993. [SCIE,NSYSU].
3. **Ngai-Ching Wong**. Topologies and bornologies determined by operator ideals, II. *Studia Mathematica*, 111(2):153–162, 1994. [SCIE,NSYSU].
4. **Ngai-Ching Wong**. Left quotients of a  $C^*$ -algebra, I : Representation via vector sections. *Journal of Operator Theory*, 32:185–201, 1994. [SCIE,NSYSU].
5. Hwa-Long Gau and **Ngai-Ching Wong**. Some converses of the strong separation theorem. *Proceedings of the American Mathematical Society*, 124(8):2443–2449, 1996. [SCI, NSYSU].
6. Jyh-Shyang Jeang and **Ngai-Ching Wong**. Weighted composition operators of  $C_0(X)$ 's. *Journal of Mathematical Analysis and Applications*, 201:981–993, 1996. [SCI, NSYSU].
7. Jyh-Shyang Jeang and **Ngai-Ching Wong**. Into isometries of  $C_0(X, E)$ 's. *Journal of Mathematical Analysis and Applications*, 207:286–290, 1997. [SCI, NSYSU].
8. Nan-Kuo Ho and **Ngai-Ching Wong**. Space-filling curves and Hausdorff dimensions. *Southeast Asian Bulletin of Mathematics*, 21:105–111, 1997. [NSYSU].
9. Q. H. Ansari, **Ngai-Ching Wong**, and Jen-Chih Yao. On the existence of nonlinear inequalities. *Applied Mathematics Letters*, 12:89–92, 1999. [SCI, NSYSU](1999 Impact Factor: 0.420).
10. Chia-Chuan Tseng and **Ngai-Ching Wong**. Invertibility in infinite dimensional spaces. *Proceeding of the American Mathematical Society*, 128:573–581, 2000. [SCI, NSYSU](2000 Impact Factor: 0.394).
11. Lawrence G. Brown and **Ngai-Ching Wong**. Left quotients of a  $C^*$ -algebra, II : Atomic parts of left quotients. *Journal of Operator Theory*, 44:207–222, 2000. [SCIE,NSYSU](2000 Impact Factor: 0.293).
12. Lawrence G. Brown and **Ngai-Ching Wong**. On  $C^*$ -algebras cut down by closed projections: Characterizing elements via the extreme boundary. *Taiwanese J. Math.*, 5(2):433–441, 2001. [SCIE,NSYSU](2001 Impact Factor: 0.370).
13. J. Y. Chen, **Ngai-Ching Wong**, and J. C. Yao. Algorithm for generalized co-complementarity problems in Banach spaces. *Computer and Mathematics with Applications*, 43(1-2):49–54, 2002. [SCI,NSYSU](2002 Impact Factor: 0.413).
14. R. M. Dăneț and **Ngai-Ching Wong**. Hahn-Banach-Kantorovich type theorems with the range space not necessarily  $(o)$ -complete. *Taiwanese J. Math.*, 6(2):241–246, 2002. [SCIE,NSYSU](2002 Impact Factor 0.364).
15. Rodica-Mihaela Dăneț and **Ngai-Ching Wong**. Extension Theorems without Dedekind completeness. *Rendiconti del Circolo Matematico di Palermo*, Series II, Supp., 68:381–387, 2002. [NSYSU].

16. Hwa-Long Gau, J. S. Jeang, and **Ngai-Ching Wong**. A algebraic approach to the Banach-Stone theorem for separating linear bijection. *Taiwanese J. Math.*, 6(3):399–403, 2002. [SCIE,NSYSU](2002 Impact Factor 0.364).
17. Jyh-Shyang Jeang and **Ngai-Ching Wong**. Isometric shifts on  $C_0(X)$ 's. *Journal of Mathematical Analysis and Applications*, 274(2):772–787, 2002. [SCI, NSYSU](2002 Impact Factor: 0.458).
18. Mikhail A. Chebotar, Wen-Fong Ke, Pjek-Hwee Lee, and **Ngai-Ching Wong**. Mappings preserving zero products. *Studia Math.*, 155(1):77–94, 2003. [SCI, NSYSU](2003 Impact Factor: 0.410).
19. Jyh-Shyang Jeang and **Ngai-Ching Wong**. Disjointness preserving Fredholm linear operators of  $C_0(X)$ . *J. Operator Theory*, 49(1):61–75, 2003. [SCIE,NSYSU](2003 Impact Factor: 0.528).
20. Hwa-Long Gau, Jyh-Shyang Jeang, and **Ngai-Ching Wong**. Biseparating linear maps between continuous vector-value function spaces. *J. Australian Math. Society*, 74(1):101–109, 2003. [SCI, NSYSU](2003 Impact Factor: 0.293).
21. Yin-Fen Lin and **Ngai-Ching Wong**. Constructing space-filling curves of compact connected manifolds. *Computers and Mathematics with Applications*, 45(12):1871–1881, 2003. [SCI, NSYSU](2003 Impact Factor: 0.498).
22. Quayl Chadli, **Ngai-Ching Wong**, and Jen-Chih Yao. Condition  $S^+$  for equilibrium problems and applications. *J. Optimization Theory and Applications*, 117(2):245–266, 2003. [SCI, NSYSU](2003 Impact Factor: 0.583).
23. Audrey Curnock, John Howroyd, and **Ngai-Ching Wong**. The unique decomposition property and the Banach-Stone theorem. *Contemporary Mathematics*, 328:151–156, 2003. [NSYSU].
24. Jyh-Shyang Jeang and **Ngai-Ching Wong**. On the Banach-Stone problem. *Studia Math.*, 155(2):95–105, 2003. [SCI, NSYSU](2003 Impact Factor: 0.410).
25. Wen-Fong Ke, Bing-Ren Li, and **Ngai-Ching Wong**. Zero product preserving maps of continuous operator valued functions. *Proc. Amer. Math. Soc.*, 132:1979–1985, 2004. [SCI, NSYSU](2004 Impact Factor: 0.508).
26. Lawrence G. Brown and **Ngai-Ching Wong**. Unbounded disjointness preserving linear functionals. *Monatshefte für Mathematik*, 141(1):21–32, 2004. [SCI, NSYSU](2004 Impact Factor: 0.0348).
27. Meng-Han Li and **Ngai-Ching Wong**. Sums of star polygons and the Eulerian numbers. *Southeast Asian Bulletin of Math.*, 28(3):437–446, 2004. [NSYSU].
28. Cho-Ho Chu and **Ngai-Ching Wong**. Isometries between  $C^*$ -algebras. *Revista Matemática Iberoamericana*, 20(1):87–105, 2004. [SCI, NSYSU](2004 Impact Factor: 0.565).
29. **Ngai-Ching Wong**. Triple homomorphisms of operators algebras. *Southeast Asian Bulletin of Math.*, 29:401–407, 2005. [NSYSU].
30. Lai-Jiu Lin, **Ngai-Ching Wong**, and Zenn-Tsuen Yu. Continuous selections and fixed points of multi-valued mappings on non-compact or non-metrizable spaces. *Proc. Amer. Math. Soc.*, 133(11):3421–3427, 2005. [SCI,NSYSU](2005 Impact Factor: 0.429).
31. Yin-Fen Lin and **Ngai-Ching Wong**. Power compact disjointness preserving maps of continuous function spaces. *Bulletin of the Irish Mathematical Society*, 55:7–14, 2005. [NSYSU].
32. L. C. Zeng, G. M. Lee, and **Ngai-Ching Wong**. Ishikawa iteration with errors for approximating fixed points of strictly pseudocontractive mappings of browder-petryshyn type. *Taiwanese J. Math.*, 10(1):87–99, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
33. Lu-Chuan Ceng, **Ngai-Ching Wong**, and Jen-Chih Yao. Implicit predictor-corrector iteration process for finitely many asymptotically (quasi-)nonexpansive mappings. *Journal of Inequalities and Applications*, Art. ID 65983, 11 pp, 2006. [SCI,NSYSU](2007 Impact Factor: 0.408).

34. Lu-Chuan Zeng, **Ngai-Ching Wong**, and Jen-Chih Yao. Strong convergence theorems for strictly pseudocontractive mappings of Browder-Petryshyn type. *Taiwanese J. Math.*, 10(4):837–849, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
35. Y. C. Lin, **N. C. Wong**, and Jen-Chih Yao. Strong convergence theorems of Ishikawa iteration process with errors for fixed points of Lipschitz continuous mappings in Banach spaces. *Taiwanese Journal of Mathematics*, 10(2):543–552, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
36. Lu-Chuan Zeng, **Ngai-Ching Wong**, and Jen-Chih Yao. Convergence of hybrid steepest-descent methods for generalized variational inequalities. *Acta Mathematica Sinica-English Series*, 22(1):1–12, 2006. [SCI,NSYSU](2006 Impact Factor: 0.440).
37. Jung-Hui Liu and **Ngai-Ching Wong**. 2-local automorphisms of operator algebras. *J. Math. Anal. Appl.*, 321(2):741–750, 2006. [SCI,NSYSU](2007 Impact Factor: 0.872).
38. **Ngai-Ching Wong**. Zero product preserves of  $C^*$ -algebras. *Contemporary Math.*, 435:377–380, 2007. [NSYSU].
39. Li-Shu Chen, Jyh-Shyang Jeang, and **Ngai-Ching Wong**. Disjointness preserving shifts on  $C_0(x)$ 's. *J. Math. Anal. Appl.*, 325(1):400–421, 2007. [SCI,NSYSU](2007 Impact Factor: 0.872).
40. Bui Trong Kien, **Ngai-Ching Wong**, and Jen-Chih Yao. On the solution existence of generalized quasivariational inequalities with discontinuous multifunctions. *J. Optimization Theory and Applications*, 135(3):515–530, 2007. [SCI,NSYSU](2007 Impact Factor: 0.688).
41. Lu-Chuan Zeng, **Ngai-Ching Wong**, and Jen-Chih Yao. Convergence analysis of modified hybrid steepest-descent methods with variable parameters for variational inequalities. *Journal of Optimization Theory and Applications*, 132(1):51–69, 2007. [SCI,NSYSU](2007 Impact Factor: 0.688).
42. Jung-Hui Liu and **Ngai-Ching Wong**. Local automorphisms of operator algebras. *Taiwanese J. Math.*, 11(3):611–619, 2007. [SCI,NSYSU](2007 Impact Factor: 0.444).
43. Bui Trong Kien, Mu-Ming Wong, and **Ngai-Ching Wong**. On the degree theory for general mappings of monotone type. *J. Math. Anal. Appl.*, 340:707–720, 2008. [SCI,NSYSU](2008 Impact Factor: 1.046).
44. Jinchuan Hou, Chi-Kwong Li, and **Ngai-Ching Wong**. Jordan isomorphisms and maps preserving spectra of certain operator products. *Studia Math.*, 184(1):31–47, 2008. [SCI,NSYSU](2008 Impact Factor: 0.398).
45. Bui Trong Kien, **Ngai-Ching Wong**, and Jen-Chih Yao. Generalized vector variational inequalities with star-pseudomonotone and discontinuous operators. *Nonlinear Analysis, TMA*, 68(9):2859–2871, 2008. [SCI,NSYSU](2008 Impact Factor: 1.295).
46. Chi-Wai Leung, Chi-Keung Ng\*, and **Ngai-Ching Wong**. Property  $T$  for non-unital  $C^*$ -algebras. *J. Math. Anal. Appl.*, 341(2):1102–1106, 2008. [SCI,NSYSU](2008 Impact Factor: 1.046).
47. Lu-Chuan Ceng, Bui Trong Kien, and **Ngai-Ching Wong**. Convergence analysis of a hybrid relaxed-extragradient method for monotone variational inequalities and fixed point problems. *Taiwanese J. Math.*, 12(9):2549–2568, 2008. [SCI,NSYSU](2008 Impact Factor: 0.583).
48. Bui Trong Kien, **Ngai-Ching Wong**, and Jen-Chih Yao. On the solution existence of implicit quasivariational inequalities with discontinuous multifunctions. *Optimization*, 57(4):515–526, 2008. [SCI,NSYSU](2008 Impact Factor: 0.845).
49. Q. H. Ansari, Y. C. Liou, V. Obukhovskii, and **Ngai-Ching Wong**. Topological degree methods in boundary value problems for degenerate functional differential inclusions with infinite delay. *Taiwanese J. Math.*, 12(7):1827–1847, 2008. [SCI,NSYSU](2008 Impact Factor: 0.583).
50. Lu-Chuan Zeng, **Ngai-Ching Wong**, and Jen-Chih Yao. Convergence analysis of iterative sequences for a pair of mappings in Banach spaces. *Acta Math Sinica(english series)*, 24(3):463–470, 2008. [SCI,NSYSU](2008 Impact Factor: 0.543).

51. D. R. Sahu, **Ngai-Ching Wong**, and J. C. Yao. Solving variational inequalities involving nonexpansive type mappings. *Nonlinear Analysis, Series A: TMA*, 69(12):4732–4753, 2008. [SCI,NSYSU](2008 Impact Factor: 1.295).
52. Mark C. Ho, Mu-Ming Wong, and **Ngai-Ching Wong**. The density of algebraic elements in  $C^*$ -algebras. *Taiwanese J. Math.*, 12(9):2593–2600, 2008. [SCI,NSYSU](2008 Impact Factor: 0.583).
53. Jin Xi Chen, Zi Li Chen\*, and **Ngai-Ching Wong**. A Banach-Stone theorem for Riesz isomorphisms of Banach lattices. *Proc. American Math. Soc.*, 136(11):3869–3874, 2008. [SCI,NSYSU](2008 Impact Factor: 0.640).
54. Hwa-Long Gau, Chih-Jen Wang, and **Ngai-Ching Wong**. Invertibility and fredholmness of linear sums of quadratic,  $k$ -potent and nilpotent operators. *Operators and Matrices*, 2(2):193–199, 2008. [SCI,NSYSU].
55. B. T. Kien, **Ngai-Ching Wong**, and J. C. Yao. Necessary conditions for multiobjective optimal control problems with free end-time. *SIAM J. Control and Optimization*, 47:2251–2274, 2008. [SCI,NSYSU](2008 Impact Factor: 1.517).
56. Lu-Chuan Ceng, **Ngai-Ching Wong**, and Jen-Chih Yao. Fixed point solutions of variational inequalities for a finite family of asymptotically nonexpansive mappings without common fixed point assumption. *Computers and Mathematics with Applications*, 56(9):2312–2322, 2008. [SCI,NSYSU](2008 Impact Factor: 0.997).
57. Bui Trong Kien, Mu-Ming Wong, **Ngai-Ching Wong**, and Jen-Chih Yao. Degree theory for generalized variational inequalities and applications. *European J. Operation Research*, in press, 192(3):730–736, 2009. [SCI,NSYSU](2009 Impact Factor: 2.093).
58. B. T. Kien, Y. C. Liou, **Ngai-Ching Wong**, and J.-C. Yao. Subgradients of value functions in parametric dynamic programming. *European J. Operation Research*, 193(1):12–22, 2009. [SCI,NSYSU](2009 Impact Factor: 2.093).
59. Bui Trong Kien, Mu-Ming Wong, **Ngai-Ching Wong**, and Jen-Chih Yao. Solution existence of variational inequalities with pseudomonotone operators in the sense of brezis. *J. Optimization Theory and Application*, 140(2):249–263, 2009. [SCI,NSYSU](2009 Impact Factor: 0.996).
60. Yin-Fen Lin and **Ngai-Ching Wong**. The structure of compact disjointness preserving maps of continuous functions. *Math. Nachr.*, 282(7):1009–1021, 2009. [SCI,NSYSU](2009 Impact Factor: 0.653).
61. Chi-Wai Leung, Chi-Keung Ng, and **Ngai-Ching Wong**. Geometric unitaries in JB-algebras. 360(2):491–494, 2009. [SCI,NSYSU](2009 Impact Factor: 1.225).
62. L. C. Ceng, L. J. Lin, and **Ngai-Ching Wong**. Viscosity approximation methods for equilibrium problems and fixed point problems of nonlinear semigroups. *Taiwanese J. Math.*, 13(5):1497–1513, 2009. [SCI,NSYSU](2009 Impact Factor: 0.633).
63. D. R. Sahu, **Ngai-Ching Wong**, and J. C. Yao. On convergence analysis of an iterative algorithm for finding common solution of generalized mixed equilibrium problems and fixed point problems. *Mathematical Inequalities & Applications*, 12(3):625–649, 2009. [SCI,NSYSU](2009 Impact Factor: 0.493).
64. B. T. Kien, N. Q. Huy, and **Ngai-Ching Wong**. On the solution existence of generalized vector quasi-equilibrium problems with discontinuous multifunctions. *Taiwanese J. Math.*, 13(2B):757–775, 2009. [SCI,NSYSU](2009 Impact Factor: 0.633).
65. Chi-Wai Leung, Chung-Wen Tsai, and **Ngai-Ching Wong**. Separating linear maps of continuous fields of banach spaces. *Asian-European J. Math.*, 2(3):445–452, 2009. [NSYSU].
66. Chi-Wai Leung and **Ngai-Ching Wong**. Zero product preserving linear maps of CCR  $C^*$ -algebras with Hausdorff spectrum. *J. Math. Anal. Appl.*, 361(1):187–194, 2010. [SCI,NSYSU](2009 Impact Factor: 1.225).
67. Chi-Wai Leung, Chi-Keung Ng\*, and **Ngai-Ching Wong**. Geometric pre-ordering on  $C^*$ -algebras. *Journal of Operator Theory*, 63(1):115–128, 2010. [SCI,NSYSU](2009 Impact Factor: 0.580).



68. J. C. Hou, C. K. Li, and **Ngai-Ching Wong**. Maps preserving the spectrum of generalized jordan product of operators. *Linear Algebra and its Applications*, 432(4):1049–1069, 2010. [SCI,NSYSU](2009 Impact Factor: 1.073).
69. Lu-Chuan Cheng, N. Hadjisavvas, and **Ngai-Ching Wong**. Strong convergence theorem by a hybrid extragradient-like approximation method for variational inequalities and fixed point problems. *J. Global Optimization*, 46:635–646, 2010. [SCI,NSYSU](2009 Impact Factor: 1.454).
70. Tran Dinh Ke and **Ngai-Ching Wong**. Asymptotic behavior for retarded parabolic equations with super-linear perturbations. *J. Optimization Theory and Applications*, 146(1):117–135, 2010. [SCI,NSYSU](2009 Impact Factor: 0.996).
71. Ching-Jou Liao and **Ngai-Ching Wong**. Smoothly embedded subspaces of a banach space. *Taiwanese J. Math.*, in press. [SCI,NSYSU](2009 Impact Factor: 0.633).
72. B. T. Kien, **Ngai-Ching Wong**, and J. C. Yao. Necessary conditions for multiobjective optimal control problems with state constraints. *Dynamics of Continuous, Discrete & Impulsive Systems, Series B: Applications & Algorithms*, in press. [SCI,NSYSU].
73. Jian-Wen Peng and **Ngai-Ching Wong**. Some modified extragradient methods for common solutions of generalized equilibrium problems and fixed points of nonexpansive mappings. *Taiwanese J. Math.*, in press. [SCI,NSYSU](2009 Impact Factor: 0.633).
74. Chung-Wen Tsai and **Ngai-Ching Wong**. Linear orthogonality preservers of standard operator algebras. *Taiwanese J. Math.*, in press. [SCI,NSYSU](2009 Impact Factor: 0.633).
75. Tran Dinh Ke and **Ngai-Ching Wong**. Long-time behavior for a model of porous-medium equations with variable coefficients. *Optimization*, in press. [SCI,NSYSU](2009 Impact Factor: 0.616).
76. Ming-Hsiu Hsu and **Ngai-Ching Wong**. Isometries of banach bundles. *Taiwanese J. Math.*, in press. [SCI,NSYSU](2009 Impact Factor: 0.633).
77. Chi-Wai Leung, Chi-Keung Ng, and **Ngai-Ching Wong**. Linear orthogonality preservers of hilbert bundles. *J. Australian Math. Soc.*, in press. [SCI,NSYSU].
78. Chi-Wai Leung, Chi-Keung Ng, and **Ngai-Ching Wong**. Automatic continuity and  $C_0(\Omega)$ -modules. *J. Operator Theory*, in press. [SCI,NSYSU](2009 Impact Factor: 0.580).

## (B) 專書及其他著作

1. Hwa-Long Gau and **Ngai-Ching Wong**. A supplement to James's Theorem. In *Banach Space Theory and its Applications*, pages 68–70, 1996. Wuhan University Press, Wuhan. [NSYSU].
2. Wan-Chain Fang and **Ngai-Ching Wong**. Disjointness preserving linear operators of wiener ring. In *Proceedings of the 6th Taiwan-Philippine Symposium on Analysis*, 2005. [NSYSU].
3. **Ngai-Ching Wong**. Triangle of operators, topology and bornology. In *Proceedings of the 3rd International Congress of Chinese Mathematicans*, pages 395–421, 2004. AMS/IP, Studies in Advanced Math. 42, 2008. [NSYSU].

蔡志賢教授 (Jhishen Tsay) (80年8月畢業，80年8月到校)

## (A) 期刊論文

1. W. G. Faris and **W. Jhishen Tsay**. Scattering of a wave packet by an interval of random medium. *J. Math. Physics*, 30:2900–2903, 1989. [SCI].

2. W. G. Faris and **W. Jhishen Tsay**. Wave scattering in random media. In Greg Morrow and Wei-Shih Yang, editors, *Proceedings of the Conference on Probability Models in Mathematical Physics*, pages 24–26, Colorado Springs, 1991. World Scientific.
3. W. G. Faris and **W. Jhishen Tsay**. Time delay in random scattering. *SIAM J. Appl. Math.*, 54:443–455, 1994. [SCI, NSYSU].
4. **Jhishen Tsay**. Wave scattering in a strip. *J. Math. Physics*, 35:680–692, 1994. [SCI, NSYSU].
5. Z. D. Bai, B. Miao, and **Jhishen Tsay**. A note on the convergence rate of the spectral distributions of large random matrices. *Statistics and Probability Letters*, 34:95–101, 1997. [SCIE, NSYSU].
6. **Jhishen Tsay**. Applications of products of random matrices to stochastic difference equations. *Proceedings of the National Science Council ROC(A)*, 21(6):527–532, 1997. [NSYSU].
7. **Jhishen Tsay**. Lyapunov exponent for the random Schrödinger equation. *Southeast Asian Bulletin of Mathematics*, 23(2):285–290, 1999. [NSYSU].
8. **Jhishen Tsay**. Some uniform estimates in products of random matrices. *Taiwanese Journal of Mathematics*, 3(3):291–302, 1999. [SCIE, NSYSU].
9. Z. D. Bai, B. Miao, and **Jhishen Tsay**. Remarks on the convergence rates of the spectral distributions of wigner matrices. *Journal of Theoretical Probability*, 12(2):301–311, 1999. [SCI, NSYSU](1999 Impact Factor: 0.396).
10. **Jhishen Tsay**. Lyapunov exponents for products of random matrices. *TPRA Proceedings of Symposium of Analysis and Probability*, ed. by N. Kono and N. R. Shieh, World Scientific, pages 301–309, 1999. [NSYSU].
11. Y. H. Cheng, C. K. Law, and **Jhishen Tsay**. Remarks on a new inverse nodal problem. *Journal of Mathematical Analysis and Applications*, 248:145–155, 2000. [SCI, NSYSU](2000 Impact Factor: 0.431).
12. C. K. Law and **Jhishen Tsay**. On the well-posedness of the inverse nodal problem. *Inverse Problems*, 17(5):1493–1512, 2001. [SCI, NSYSU](2001 Impact Factor: 1.248).
13. Z. D. Bai, B. Miao, and **Jhishen Tsay**. Convergence rates of the spectral distributions of large Wigner matrices. *International Mathematical Journal*, 1(1):65–90, 2002. [NSYSU].
14. Y. T. Chen, Y. H. Cheng, C. K. Law, and **Jhishen Tsay**.  $L^1$  convergence of the reconstruction formula for the potential function. *Proceedings of American Mathematical Society*, 130(8):2319–2324, 2002. [SCI, NSYSU](2002 Impact Factor: 0.334).
15. H. C. Tsai and **Jhishen Tsay**. A characterization of the Stieltjes transforms of probability distribution functions. *Southeast Asian Bulletin of Mathematics*, 27:1–6, 2003. [NSYSU].
16. J. Myers, S.F. Huang, and **Jhishen Tsay**. Exact conditional inference for two-way randomized Bernoulli experiments. *Journal of Statistical Software*, 21, 2007. [SCI, NSYSU](2007 Impact Factor: 1.621).
17. Jyy-I Hong and **Jhishen Tsay**. A strong law of large numbers for random elements in Banach spaces. *Southeast Asian Bulletin of Mathematics*, 34:257–264, 2010. [NSYSU].

羅春光教授 (Chun-Kong Law) (81年8月畢業，81年8月到校)

#### (A) 期刊論文

1. K. F. Ng and **Chun-Kong Law**. Monotonic norms in ordered Banach spaces. *Journal of the Australian Mathematical Society Series A-Pure Mathematics and Statistics*, 45:217–219, 1988.

2. **Chun-Kong Law** and K. F. Ng. Characterization of positive semigroups of operators on Banach spaces. *Journal of Mathematical Analysis and Applications*, 170(1):207–213, 1992. [SCI].
3. A. V. Kitaev, **Chun-Kong Law**, and J. B. McLeod. Rational solutions of the fifth Painleve equation. *Differential and Integral Eqs*, 7(1):967–1000, 1994. [NSYSU].
4. Y. L. Huang and **Chun-Kong Law**. Eigenvalue ratios for the regular Sturm-Liouville system. *Proceedings of the American Mathematical Society*, 124(5):1427–1436, 1996. [SCI, NSYSU].
5. A. P. Bassom, P. A. Clarkson, **Chun-Kong Law**, and J. B. McLeod. Application of uniform asymptotics to the second Painleve transcendent. *Archive for Rational Mechanics and Analysis*, 143:241–271, 1998. [SCI, NSYSU].
6. L. F. Cheung, **Chun-Kong Law**, M. C. Leung, and J. B. McLeod. Entire solutions of quasilinear differential equations corresponding to p-harmonic maps. *Nonlinear Analysis TMA*, 31:701–715, 1998. [SCI, NSYSU](1998 Impact Factor: 0.195).
7. **Chun-Kong Law** and Y. L. Huang. Eigenvalue ratios and eigenvalue gaps of Sturm-Liouville operators. *Proceedings of the Royal Society of Edinburgh*, 128A:337–347, 1998. [SCI, NSYSU].
8. **Chun-Kong Law** and C. F. Yang. Reconstructing the potential function and its derivatives using nodal data. *Inverse Problems*, 14:299–312, 1998. [SCI, NSYSU](1998 Impact Factor: 0.971).
9. L. F. Cheung, **Chun-Kong Law**, and M. C. Leung. Uniqueness of positive solutions to the rotationally symmetric p-harmonic map equations. *J. Computational and Applied Math.*, 88:45–56, 1998. [SCIE, NSYSU](1998 Impact Factor: 0.433).
10. **Chun-Kong Law** and C. F. Yang. Addendum: Reconstructing the potential function and its derivatives using nodal data. *Inverse Problems*, 14:779–780, 1998. [SCI, NSYSU](1998 Impact Factor: 0.971).
11. **Chun-Kong Law**, C. L. Shen, and C. F. Yang. The inverse nodal problem on the smoothness of the potential function. *Inverse Problems*, 15:253–263, 1999. Erratum. 17:361–364, 2001. [SCI, NSYSU](1999 Impact Factor: 1.103).
12. L. F. Cheung, **Chun-Kong Law**, and M. C. Leung. Bounded positive solutions of rotationally symmetric harmonic maps equations. *Differential and Integral Eqns.*, 13:1149–1188, 2000. [NSYSU].
13. Y. H. Cheng, **Chun-Kong Law**, and J. Tsay. Remarks on a new inverse nodal problem. *J. Mathematical Analysis and Applications*, 248:145–155, 2000. [SCI, NSYSU](2000 Impact Factor: 0.431).
14. H. H. Chern, **Chun-Kong Law**, and H. J. Wang. Extension of Ambarzumyan’s theorem to general boundary conditions. *J. Mathematical Analysis and Applications*, 263:333–342, 2001. [SCI, NSYSU](2001 Impact Factor: 0.444).
15. **Chun-Kong Law** and J. Tsay. On the well-posedness of the inverse nodal problem. *Inverse Problems*, 17(5):1493–1512, 2001. [SCI, NSYSU](2001 Impact Factor: 1.248).
16. Y. T. Chen, Y. H. Cheng, **Chun-Kong Law**, and Jhishen Tsay.  $L^1$  convergence of the reconstruction formula for the potential function. *Proceedings of the American Mathematical Society*, 130(8):2319–2324, 2002. [SCI, NSYSU](2002 Impact Factor: 0.334).
17. C. N. Chen, Y. S. Choi, L. F. Cheung, and **Chun-Kong Law**. On the blowup of heat flow for conformal 3-harmonic maps. *Transactions of the American Mathematical Society*, 354(12):5087–5110, 2002. [SCI, NSYSU](2002 Impact Factor: 0.664).
18. L. F. Cheung and **Chun-Kong Law**. An initial value approach to rotationally symmetric harmonic maps. *J. Math. Anal. Appl.*, 289:1–13, 2004. [SCI, NSYSU](2004 Impact Factor: 0.490).
19. Y. H. Cheng, C. T. Shieh, and **Chun-Kong Law**. A vectorial inverse nodal problem. *Proc. Amer. Math. Soc.*, 133(5):1475–1484, 2005. [SCI, NSYSU](2005 Impact Factor: 0.429).

20. H. H. Chern, **Chun-Kong Law**, and H. J. Wang. Corrigendum: Extension of Ambarzumyan's theorem to the general boundary conditions. *J. Math. Anal. Appl.*, 309:764–768, 2005. [SCI, NSYSU](2005 Impact Factor: 0.579).
21. C. C. Chen, **Chun-Kong Law**, and F. Y. Sing. Optimal lower estimates for eigenvalue ratios of Schrodinger operators and vibrating strings. *Taiwanese J. Math.*, 9(2):175–185, 2005. [SCI, NSYSU](2005 Impact Factor: 0.312).
22. Y. H. Cheng and **Chun-Kong Law**. On the quasi-nodal map for the Sturm-Liouville problem. *Proc. Royal Soc. Edinburgh*, 136(1):71–86, 2006. [SCI, NSYSU](2007 Impact Factor: 0.529).
23. Y. H. Cheng and **Chun-Kong Law**. The inverse nodal problem for Hill's operators. *Inverse Problems*, 22:891–901, 2006. [SCI, NSYSU](2007 Impact Factor: 1.854).
24. C. N. Chen, L. F. Cheung, Y. S. Choi, and **Chun-Kong Law**. Integrability of rotationally symmetric  $n$ -harmonic maps. *J. Math. Anal. Appl.*, 327:869–877, 2007. [SCI, NSYSU](2007 Impact Factor: 0.872).
25. **Chun-Kong Law** and V. Pivovarchik. Characteristic functions of quantum graphs. *J. Physics A-mathematical and Theoretical*, 42(3):1–12, 2009. [SCI, NSYSU].
26. **Chun-Kong Law**, W.C. Lian, and W.C. Wang. The inverse nodal problem and the Ambarzumyan problem for the  $p$ -Laplacian. *Proc. Royal Soc. Edinburgh*, 139:1261–1273, 2009. [SCI, NSYSU].
27. X. Chen, Y.H. Cheng, and **Chun-Kong Law**. Reconstructing potential functions with zeros of one eigenfunction. To appear in *Transactions of American Mathematical Society*, 2010. [SCI, NSYSU].

## (B) 專書及其他著作

1. 羅春光、洪劭軒、黃拓儒. 質數三元數與同餘式組. *數學傳播季刊*, 21(2):66–70, 1997. [NSYSU].
2. 王文甫、鄧仲仁、顏士傑、羅春光. 勾股數與張角長方形. *數學傳播季刊*, 26(1):48–53, 2002. [NSYSU].
3. 賈乃輝、魏文恩、郭倍綸、劉玠玟、羅春光. 以微積分方法探討三角函數的性質. *數學傳播季刊*, 30(3):42–52, 2006. [NSYSU].
4. 許家甄、李昱宏、潘信鴻、徐含馥、何青翰、羅春光.  $n$  元數與同餘式組. *數學傳播季刊*, 34(1):58–64, 2010. [NSYSU].

## 張福春教授 (Fu-Chuen Chang) (81年8月畢業，81年8月到校)

### (A) 期刊論文

1. **Fu-Chuen Chang**, J. H. B. Kemperman, and William J. Studden. A normal limit theorem for moment sequences. *Annals of Probability*, 21(3):1295–1309, 1993. [SCI].
2. 張福春, 詹慧婷. 無常數項多項式迴歸模型下隨機設計之有效性. *中國統計學報*, 32(4):541–559, 1994. [NSYSU].
3. Mong-Na Lo Huang, **Fu-Chuen Chang**, and Weng Kee Wong. D-optimal designs for polynomial regression without an intercept. *Statistica Sinica*, 5:441–458, 1995. [NSYSU].
4. **Fu-Chuen Chang** and Berthold Heiligers. E-optimal designs for polynomial regression without intercept. *Journal of Statistical Planning and Inference*, 55(3):371–387, 1996. [SCIE, NSYSU].
5. **Fu-Chuen Chang** and Ge-Chen Lin. D-optimal designs for weighted polynomial regression. *Journal of Statistical Planning and Inference*, 62(2):317–331, 1997. [SCIE, NSYSU].
6. **Fu-Chuen Chang**. On asymptotic distribution of optimal design for polynomial-type regression. *Statistics and Probability Letters*, 36:421–425, 1998. [SCIE, NSYSU].

7. **Fu-Chuen Chang** and Yu-Rong Yeh. Exact A-optimal designs for quadratic regression. *Statistica Sinica*, 8(2):527–533, 1998. [SCI, NSYSU].
8. **Fu-Chuen Chang**. Exact D-optimal designs for polynomial regression without intercept. *Statistics and Probability Letters*, 44:131–136, 1999. [SCIE, NSYSU].
9. **Fu-Chuen Chang**, Mong-Na Lo Huang, Dennis K. J. Lin, and Huie-Ching Yang. Optimal designs for dual response polynomial regression models. *Journal of Statistical Planning and Inference*, 93(1-2):309–322, 2001. [SCIE, NSYSU].
10. **Fu-Chuen Chang** and Lorens A. Imhof. E-optimal exact designs. *Statistics and Applications*, 3:155–164, 2001. [NSYSU].
11. **Fu-Chuen Chang** and Ching-Fu Lay. Optimal designs for a growth curve model. *Journal of Statistical Planning and Inference*, 104(2):427–438, 2002. [SCIE, NSYSU].
12. A. K. Gupta, **Fu-Chuen Chang**, and Wen-Jang Huang. Some skew-symmetric models. *Random Operators and Stochastic Equations*, 10(2):133–140, 2002. [NSYSU].
13. A. K. Gupta and **Fu-Chuen Chang**. Multivariate skew-symmetric distributions. *Applied Mathematics Letters*, 16(5):643–646, 2003. [SCI, NSYSU](2003 Impact Factor: 0.395).
14. **Fu-Chuen Chang** and Ya-Huei Chen. D-optimal designs for multivariate linear and quadratic polynomial regression. *中國統計學報*, 42(4):383–402, 2004. [NSYSU].
15. **Fu-Chuen Chang**. D-optimal designs for weighted polynomial regression – a functional-algebraic approach. *Statistica Sinica*, 15(1):153–163, 2005. [SCI, NSYSU](2005 Impact Factor: 0.926).
16. **Fu-Chuen Chang**. D-optimal designs for weighted polynomial regression – a functional approach. *Ann. Inst. Statist. Math.*, 57(4):833–844, 2005. [SCI, NSYSU](2005 Impact Factor: 0.376).
17. **Fu-Chuen Chang** and Hung-Ming Lin. On minimally-supported D-optimal designs for polynomial regression with log-concave weight function. *Metrika*, 65(2):227–233, 2007. [SCI, NSYSU](2007 Impact Factor: 0.510).
18. **Fu-Chuen Chang** and Bo-Jung Jiang. An algebraic construction of minimally-supported D-optimal designs for weighted polynomial regression. *Statistica Sinica*, 17(3):1005–1021, 2007. [SCI, NSYSU](2007 Impact Factor: 0.603).
19. **Fu-Chuen Chang** and Jeff Shao. Calculating moment generating and characteristic functions using *mathematica*. *Journal of the Chinese Statistical Association*, 46(2):118–129, 2008. [NSYSU].
20. **Fu-Chuen Chang**, Hsiu-Ching Chang, and Sheng-Shian Wang. D-optimal designs for polynomial regression with exponential weight function. *Metrika*, 70(3):339–354, 2009. doi 10.1007/s00184-008-0195-2. [SCI, NSYSU](2009 Impact Factor: 0.535).
21. **Fu-Chuen Chang** and Yang-Chan Su. Computing A-optimal designs for weighted polynomial regression by Taylor expansion. *Communications in Statistics—Theory and Methods*, 38(10):1622–1634, 2009. doi: 10.1080/03610920802610076. [SCI, NSYSU](2009 Impact Factor: 0.406).

## (B) 專書及其他著作

1. 張福春、李姿霖. 不等式之基本解題方法. *數學傳播季刊*, 31(2):38–61, 2007. [NSYSU].
2. 張福春、曾介玫. 一般生成函數之應用. *數學傳播*, 32(3):12–35, 2008. [NSYSU].
3. 張福春、洪偉誠. 排容原理. *數學傳播*, 33(3):44–71, 2009. [NSYSU].
4. 張福春、莊淨惠. 線性遞迴關係之求解(上). *數學傳播*, 33(4):47–62, 2009. [NSYSU].
5. 張福春、莊淨惠. 線性遞迴關係之求解(下). *數學傳播*, 34(1):35–57, 2010. [NSYSU].
6. 洪偉誠、李俊賢、蔡誠祐、何家興、張福春. 美國高中數學測驗AMC 12之機率問題. *數學傳播*, to appear, 34, 2010. [NSYSU].

郭美惠教授 (Mei-Hui Guo) (78年8月畢業，81年8月到校)

(A) 期刊論文

1. **Mei-Hui Guo** and Joseph D. Petrucci. On the null recurrence and transience of a first order SETAR model. *Journal of Applied Probability*, 28:584–592, 1991. [SCI].
2. **Mei-Hui Guo** and Ching-Zong Wei. A lower bound for expectation of a convex functional. *Statistics and Probability Letters*, 18:191–194, 1993. [NSYSU].
3. **Mei-Hui Guo** and Y. K. Tseng. A comparison between linear and nonlinear forecasts for nonlinear AR models. *Journal of Forecasting*, 16:491–508, 1997. [SSCI, NSYSU].
4. 郭美惠, 羅夢娜, 白志東, 陳宏天, 謝凱生. 心電圖中P-R區間的統計分析與模型的建立. *中國統計學報*, 35:1–25, 1997. [NSYSU].
5. 郭美惠, 沈志強. 虛無假設為平穩, 對立假設為單根的拉格朗日乘子檢定統計量. *中國統計學報*, 35:227–247, 1997. [NSYSU].
6. **Mei-Hui Guo**, Zhidong Bai, and Hong Zhi An. Multi-step prediction for nonlinear autoregressive models based on empirical distribution. *Statistica Sinica*, 9(2):559–570, 1999. [SCI, SSCI, NSYSU].
7. Z. D. Bai and **Mei-Hui Guo**. A paradox in least squares estimation of linear regression models. *Statistics and Probability Letters*, 42:167–174, 1999. [SCIE, NSYSU].
8. Y. J. Huang and **Mei-Hui Guo**. Fuzzy thermal placement for multichip module applications. *Fuzzy Sets & Systems*, 122:185–194, 2001. [SCI, SSCI, NSYSU].
9. **Mei-Hui Guo**, Mong-Na Lo Huang, Z. D. Bai, and K. S. Hsieh. Important ECG diagnosis indices of ventricular defect children with or without congestive heart failure. *Statistics in Medicine*, 20:1125–1141, 2001. [SCI, NSYSU].
10. **Mei-Hui Guo** and Shi-Fong Huang. Power approximations for test statistics with dominant components. *Statistica Sinica*, 11:675–689, 2001. [SCI, NSYSU].
11. Yu-Jung Huang, Shen-Li Fu, Sun-Lon Jen, and **Mei-Hui Guo**. Fuzzy thermal modeling for MCM placement. *Microelectronics Journal*, 32:863–868, 2001. [SCIE, NSYSU].
12. Yu-Jung Huang, **Mei-Hui Guo**, and Shen-Li Fu. Reliability and routability consideration for MCM placement. *Microelectronics Reliability*, 42:83–91, 2002. [SCI, NSYSU].
13. **Mei-Hui Guo** and C. C. Shen. LM test for the constancy of regression coefficient. *Sankhyā B*, 64:214–233, 2002. [NSYSU].
14. Ching-Mai Ko, Yu-Jung Huang, Shen-Li Fu, and **Mei-Hui Guo**. Multi-objective design optimization of MCM placement. Accepted by *WSEAS Transactions on circuits and systems*, 2006. [EI, NSYSU].
15. G. M. Pan, **Mei-Hui Guo**, and W. Zhou. Asymptotic distributions of the signal-to-interference ratios of LMMSE detection in multiuser communications. *Annals of Applied Probability*, 17(1):181–206, 2007. [SCI, NSYSU](2007 Impact Factor:1.006).
16. **Mei-Hui Guo**, Chi ling Wang, and Shih-Feng Huang. Statistical control charts for long memory processes. *Journal of Quality Technology*, 2006. Tentatively accepted, under revision. [SCI, NSYSU](2005 Impact Factor:1.075).
17. **Mei-Hui Guo** and 應廣儀 and 王琛瑤. 十二音列樂曲的方陣與模型研究—以Webern和Schonberg的樂曲為例. *中國統計學報*, 2006. Tentatively accepted, under revision. [NSYSU].
18. Guangming Pan, **Mei-Hui Guo**, and Ying-Chang Liang. Asymptotic performance of reduced-rank linear receivers with principal component filter. *IEEE Transactions on Information Theory*, 53(3):1148–1151, 2007. [SCI, NSYSU](2007 Impact Factor:2.315).

19. Shi-Feng Huang, **Mei-Hui Guo**, and Ying-Chang Liang. Valuation of multidimensional Bermudan options. *In Applied Quantitative Finance, 2nd Edition* (Edited by W. Haerdle), Springer, Berlin, 2008. [NSYSU, NSC NSC 94-2118-M-110-003].
20. Shi-Feng Huang and **Mei-Hui Guo**. Financial derivative valuation - a dynamic semiparametric approach. To appear in *Statistica Sinica*, 2008. [SCI, NSYSU, NSC 94-2118-M-110-003](2007 Impact Factor:0.603).
21. Ray-Bing Chen, **Mei-Hui Guo**, Wolfgang K. Haerdle, and Shih-Feng Huang. Independent component analysis via copula techniques. SFB 649 Economic Risk Discussion Paper, Berlin, 2008. [NSYSU, NSC 95-2118-M-110-001].

## (B) 專書及其他著作

1. **Mei-Hui Guo**. *Inference for nonlinear time series*. Ph. D. thesis, Dept. of Mathematics, Univ. of Maryland, U.S.A., 1989.
2. Yih-Kuan Tseng and **Mei-Hui Guo**. Forecast problems of nonlinear time series models. *八十三年機率統計學術研討會論文集*, 1994. 台北輔仁大學.
3. **Mei-Hui Guo**, Ching-Nun Lee, Shyung-Yee Lee, and Jyh-Lin Wu. Asymptotic distributions of the ordinary least square estimators of fractional cointegration vectors. *1999 NBER/NSF Time Series Conference*, 1999. Taipei, Academic Sinica.
4. **Mei-Hui Guo**, Jong-Na Lo Huang, Zhidong Bai, and Kai-Sheng Hsieh. Logistic regression analysis of ventricular septal defect children with or without congestive heart failure. *2000年機率統計學術研討會論文集*, 2000. 台中逢甲大學.
5. **Mei-Hui Guo**, Yueh H. Chen, and Chi-Wen Chen. Dynamic adjustment models and cointegration analysis for energy demand: Taiwan case. *ASA 2000 Proceedings of the Business and Economic Statistics Section*, pages 61–64, 2000. [NSYSU].
6. Yu-Jung Huang, **Mei-Hui Guo**, and C. Roth. A fuzzy methodology for MCM placement under reliability and wireability consideration. *ASA 2000 Proceedings of the Section on Quality and Productivity*, pages 48–51, 2000. [NSYSU].
7. Kim-Jean Chow, Mong-Na Lo Huang, **Mei-Hui Guo**, and Kai-Sheng Hsieh. A study of quality management in health care-vital signs monitoring process at ICU. *第六屆全國品質管理研討會暨第十四屆亞洲品質研討會論文*. [NSYSU].

## 呂宗澤教授 (Tzon-Tzer Lu) (81年5月畢業，81年8月到校)

### (A) 期刊論文

1. S. S. Cheng and **Tzon-Tzer Lu**. The bisection algorithm is not linearly convergent. *College Math. J.*, 16(1):56–57, 1985.
2. S. S. Cheng and **Tzon-Tzer Lu**. The maximum of a bilinear form under rearrangements. *Tamkang J. Math.*, 17(2):161–168, 1986.
3. S. S. Cheng and **Tzon-Tzer Lu**. Convex regular domains of tridiagonal matrices. *Linear Algebra and Its Applications*, 79:103–125, 1986. [SCI](0.656).
4. S. S. Cheng, H. J. Li, **Tzon-Tzer Lu**, and S. H. Wu. Regular and singular orthants of tridiagonal matrices. *Linear Algebra and Its Applications*, 94:181–191, 1987. [SCI](0.656).
5. S. S. Cheng, **Tzon-Tzer Lu**, and S. H. Wu. Regular starlike domains of tridiagonal matrices. *Linear Algebra and Its Applications*, 129:29–54, 1990. [SCI](0.656).

6. S. S. Cheng and **Tzon-Tzer Lu**. Maximal deflections of one dimensional loaded mechanical systems. *Utilitas Mathematica*, 44:41–49, 1993. [SCIE,NSYSU](0.099).
7. S. S. Cheng and **Tzon-Tzer Lu**. An inequality for an integral quadratic form. *Applied Mathematics Letters*, 8(2):81–84, 1995. [SCIE,NSYSU](0.395).
8. **Tzon-Tzer Lu** and S. S. Cheng. A necessary condition for the minimum of a quadratic form under rearrangements. *Applied Mathematics Letters*, 8(6):95–98, 1995. [SCIE,NSYSU](0.395).
9. **Tzon-Tzer Lu** and S. S. Cheng. From preserving linear integral operators. *Computers and Mathematics with Applications*, 31(8):117–134, 1996. [SCI, NSYSU](0.498).
10. Zi-Cai Li, **Tzon-Tzer Lu**, D. J. Guan, and C. B. Yang. Boundary approximation methods for solving eigenvalue problems with interfaces. *Zeitschrift fur Angewandte Mathematik und Mechanik*, 76:455–456, 1996. [SCIE,NSYSU](0.154).
11. **Tzon-Tzer Lu** and S. S. Cheng. Inequalities for integral bilinear forms acting on absolutely balanced functions. *Applicable Analysis*, 66:119–131, 1997. [NSYSU].
12. **Tzon-Tzer Lu**. Symmetric formation in the discrete heat equation. In S. S. Cheng, S. Elaydi, and G. Ladas, editors, *New Developments in Difference Equations and Applications*, pages 281–288. Gordon and Breach, 1999. [NSYSU].
13. Zi-Cai Li and **Tzon-Tzer Lu**. Singularities and treatments of elliptic boundary value problems. *Mathematical and Computer Modelling*, 31:97–145, 2000. [SCIE,NSYSU](2000 Impact Factor: 0.387).
14. S. S. Cheng, **Tzon-Tzer Lu**, K. Y. Su, and Y. H. Ko. Optimal mean displacements of a loaded string. *Structural and Multidisciplinary Optimization*, 20:317–322, 2000. [SCIE,NSYSU](2000 Impact Factor: -).
15. S. S. Cheng and **Tzon-Tzer Lu**. Optimal rearrangement problems related to discrete loaded strings. *Journal of Difference Equations and Applications*, 6:775–777, 2000. [SCIE,NSYSU](2000 Impact Factor: 0.310).
16. W. R. Li, S. S. Cheng, and **Tzon-Tzer Lu**. Closed form solutions of iterative functional equations. *Applied Math. E-Notes*, 1:1–4, 2001. [NSYSU].
17. S. S. Cheng and **Tzon-Tzer Lu**. Qualitative properties of matrices appearing in several mathematical models. *Proc. Natl. Sci. Counc. ROC(A)*, 25(5):269–283, 2001. [NSYSU].
18. **Tzon-Tzer Lu** and S. H. Shiou. Inverses of  $2 \times 2$  block matrices. *Computers and Mathematics with Applications*, 43:119–129, 2002. [SCI, NSYSU](2002 Impact Factor: 0.413).
19. Z. C. Li and **Tzon-Tzer Lu**. Global superconvergence of finite element methods for biharmonic equations and blending surfaces. *Computers and Mathematics with Application*, 44(3-4):413–437, 2002. [SCI,NSYSU](2002 Impact Factor: 0.413).
20. Z. C. Li, **Tzon-Tzer Lu**, and H. Y. Hu. The collocation Trefftz method for biharmonic equations with crack singularities. *Engineering Analysis with Boundary Elements*, 28:79–96, 2004. [SCIE,NSYSU](2004 Impact Factor: 1.000).
21. **Tzon-Tzer Lu**, H. Y. Hu, and Z. C. Li. Highly accurate solutions of Motz’s and the cracked beam problems. *Engineering Analysis with Boundary Elements*, 28(11):1387–1403, 2004. [SCIE,NSYSU](2004 Impact Factor: 1.000).
22. **Tzon-Tzer Lu** and Z. C. Li. The cracked-beam problem solved by the boundary approximation method. *Applied Mathematics Letters*, 18(1):11–16, 2005. [SCI,NSYSU](2005 Impact Factor: 0.345).
23. Z. C. Li, **Tzon-Tzer Lu**, H. Y. Hu, and A. H. D. Cheng. Particular solutions of laplace’s equations on polygons and new models involving mild singularities. *Engineering Analysis with Boundary Elements*, 29(1):59–75, 2005. [SCIE,NSYSU](2005 Impact Factor: 0.894).



24. Z. C. Li, **Tzon-Tzer Lu**, H. S. Tsai, and A. H. D. Cheng. The trefftz method for solving eigenvalue problems. *Engineering Analysis with Boundary Elements*, 30(4):292–308, 2006. [SCI,NSYSU](2006 Impact Factor: 0.883).
25. Z. C. Li, **Tzon-Tzer Lu**, H. T. Huang, and A. H. D. Cheng. Trefftz, collocation and other boundary methods – a comparison. *Numerical Methods for PDEs*, 23:93–144, 2007. [SCIE,NSYSU](2007 Impact Factor: 0.957).
26. Y. M. Qin and **Tzon-Tzer Lu**. Global attractor for a nonlinear viscoelastic model. *Jornal of Mathematical Analysis and Applications*, 341:975–997, 2008. [SCI, NSYSU](2008 Impact Factor: 1.046).
27. L. J. Lin, **Tzon-Tzer Lu**, and Y. M. Wei. On level-2 condition number for the weighted Moore-Penrose inverse. *Computers and Mathematics with Applications*, 55:788–800, 2008. [SCI,NSYSU](2008 Impact Factor: 0.997).
28. Zi-Cai Li, **Tzon-Tzer Lu**, and Y. M. Wei. Coupling techniques in TreRtz methods. *Computer Assisted Mechanics and Engineering Sciences*, 15:183–213, 2008. [NSYSU].
29. Zi-Cai Li, **Tzon-Tzer Lu**, and Y. M. Wei. Effective condition number of Trefftz methods for biharmonic equations with crack singularities. *Numerical Linear Algebra with Applications*, 16(2):145–171, 2009. [SCI,NSYSU](2009 Impact Factor: 1.054).
30. **Tzon-Tzer Lu**, C. M. Chang, H. T. Huang, and Zi-Cai Li. Stability analysis of Trefftz methods for the stick-slip problem. *Engineering Analysis with Boundary Elements*, 33(4):474–484, 2009. [SCI,NSYSU](2009 Impact Factor: 1.531).
31. Zi-Cai Li, **Tzon-Tzer Lu**, H. T. Hunag, and A. H. D. Cheng. Error analysis of Trefftz methods for Laplace’s equations and its applications. *CMES-Computer Modeling in Engineering & Sciences*, 52(1):39–81, 2009. [SCI,NSYSU].

## (B) 專書及其他著作

1. Zi-Cai Li, **T. T. Lu**, H. Y. Hu, and A. H. D. Cheng. *Trefftz and Collocation Methods*. WIT press, Southampton, Boston, 2008. [NSYSU].

朱緒鼎教授 (Xuding Zhu) (78年12月畢業，84年10月到校)

## (A) 期刊論文

1. **X. Zhu**. On triple covering systems. *Journal of Mathematical Research and Exposition*, 7:199–206, 1987.
2. **X. Zhu**. On fixed points of order reversing mappings. *Guizhou Science*, 6(2):68–73, 1988.
3. N. Sauer and **X. Zhu**. Graphs which do not embed a given graph and the ramsey property. *Colloquia Mathematica Societatis János Bolyai, Sets, Graphs and Numbers*, 60:631–636, 1991.
4. **X. Zhu**. Star chromatic number and products of graphs. *Journal of Graph Theory*, 16:557–569, 1992. [SCI].
5. **X. Zhu**. On the chromatic number of the products of hypergraphs. *Ars Combinatoria*, 34:25–31, 1992.
6. **X. Zhu**. A simple proof of the multiplicativity of directed cycles of prime power length. *Discrete Applied Mathematics*, 36:313–316, 1992. [SCI].
7. N. Sauer and **X. Zhu**. An approach to Hedetniemi’s conjecture. *Journal of Graph Theory*, 16(5):423–436, 1992. [SCI].
8. N. Sauer and **X. Zhu**. Multiplicative posets. *Order*, 8:349–358, 1992.

9. K. Böröczky K., N. Sauer, and **X. Zhu**. Inexhaustible homogeneous structures. *Discrete Mathematics*, 115:57–63, 1993. [SCI].
10. P. Hell, H. Zhou, and **X. Zhu**. Homomorphisms to oriented cycles. *Combinatorica*, 13:421–433, 1993.
11. P. Hell, H. Zhou, and **X. Zhu**. Multiplicative oriented cycles. *Journal of Combinatorial Theory, Series B*, 60:239–253, 1994. [SCI].
12. P. Hell and **X. Zhu**. Homomorphisms to oriented paths. *Discrete Mathematics*, 132:107–114, 1994. [SCI].
13. P. Horak and **X. Zhu**. Isomorphic factorization of trees of maximum degree three. *Journal of Combinatorial Mathematics and Combinatorial Computing*, 16:171–191, 1994.
14. P. Hell and **X. Zhu**. The existence of homomorphisms to oriented cycles. *SIAM Journal on Discrete Mathematics*, 8(2):208–222, 1995. [SCI].
15. **X. Zhu**. A polynomial algorithm for homomorphisms to oriented cycles. *Journal of Algorithms*, 19:333–345, 1995. [SCI].
16. P. Hell, H. Zhou, and **X. Zhu**. A note on homomorphisms to acyclic local tournaments. *Journal of Graph Theory*, 20(4):467–471, 1995.
17. V. Rodl, N. Sauer, and **X. Zhu**. Ramsey families which exclude a graph. *Combinatorica*, 15(4):589–596, 1995. [SCI].
18. P. Hell, J. Nešetřil, and **X. Zhu**. Duality of graph homomorphisms. In *Combinatorics, Paul Erdős is Eighty*, volume 2, pages 271–282. Bolyai Society Mathematical Studies, Budapest, Hungary, 1996. Invited article for a book devoted to Paul Erdős on the occasion of his 80th birthday.
19. G. Gao and **X. Zhu**. Star-extremal graphs and lexicographic product. *Discrete Mathematics*, 152:147–156, 1996.
20. P. Hell, J. Nešetřil, and **X. Zhu**. Duality and polynomial testing of tree homomorphisms. *Transactions of the American Mathematical Society*, 348(4):1281–1297, 1996. [SCI].
21. J. Nešetřil and **X. Zhu**. Path homomorphisms. *The Mathematical Proceedings of Cambridge Philosophical Society*, 120:207–220, 1996. [SCI].
22. **X. Zhu**. On the bounds of ultimate independence ratios of graphs. *Discrete Mathematics*, 156:229–236, 1996.
23. J. Nešetřil and **X. Zhu**. On bounded treewidth duality of graphs. *Journal of Graph Theory*, 23:151–162, 1996.
24. P. Hell, J. Nešetřil, and **X. Zhu**. Complexity of tree homomorphisms. *Discrete Applied Mathematics*, 70:23–36, 1996. [SCI].
25. **X. Zhu**. Uniquely  $H$ -colorable graphs with large girth. *Journal of Graph Theory*, 23:33–41, 1996. [SCIE].
26. E. Steffen and **X. Zhu**. Star chromatic numbers of graphs. *Combinatorica*, 16:439–448, 1996. [SCI].
27. W. Deuber and **X. Zhu**. Circular coloring of weighted graphs. *Journal of Graph Theory*, 23:365–376, 1996.
28. **X. Zhu**. A note on graph reconstruction. *Ars Combinatoria*, 46:245–250, 1997.
29. H. Zhou and **X. Zhu**. On the multiplicativity of acyclic local tournaments. *Combinatorica*, 17:135–145, 1997. [SCI].
30. W. Deuber and **X. Zhu**. Chromatics numbers of distance graphs. *Discrete Mathematics*, 165/166:195–204, 1997. [SCIE,NSYSU].
31. A. Kostochka, E. Sopena, and **X. Zhu**. Acyclic and oriented chromatic numbers of graphs. *Journal of Graph Theory*, 24:331–340, 1997. [SCIE,NSYSU].

32. D. J. Guan and **X. Zhu**. A coloring problem for weighted graphs. *Information Processing Letters*, 61(2):77–81, 1997. [SCIE,NSYSU].
33. W. Deuber and **X. Zhu**. Relaxed coloring of a graph. *Journal of Graphs and Combinatorics*, 14:121–130, 1998. [NSYSU].
34. G. Chang, L. Huang, and **X. Zhu**. The circular chromatic-number and the fractional chromatic-number of distance graphs. *European Journal of Combinatorics*, 19(4):423–431, 1998. [SCI, NSYSU](1998 Impact Factor: 0.363).
35. Z. Füredi, P. Horak, C. Pareek, and **X. Zhu**. Minimal oriented graphs of diameter 2. *Graphs and Combinatorics*, 14:345–350, 1998. [SCIE,NSYSU](1998 Impact Factor: 0.159).
36. **X. Zhu**. A survey on Hedetniemi’s conjecture. *Taiwanese Journal of Mathematics*, 2:1–24, 1998. [SCIE,NSYSU].
37. B. Bauslaugh and **X. Zhu**. Circular colourings of infinite graphs. *Bulletin of The Institute of Combinatorics and its Applications*, 24:79–80, 1998. [NSYSU].
38. **X. Zhu**. Chromatic ramsey numbers. *Discrete Mathematics*, 190:215–222, 1998. [SCIE,NSYSU](1998 Impact Factor: 0.236).
39. **X. Zhu**. Pattern-periodic coloring of distance graphs. *Journal of Combinatorial Theory(B)*, 73:195–206, 1998. [SCI, NSYSU](1998 Impact Factor: 0.375).
40. D. J. Guan and **X. Zhu**. Multiple capacity vehicle routing on paths. *SIAM J. Discrete Math.*, 11:590–602, 1998. [SCI, NSYSU](1998 Impact Factor: 0.505).
41. H. Fan and **X. Zhu**. Oriented double walk covering and bidirectional double tracing. *Journal of Graph Theory*, 29:89–102, 1998. [SCIE,NSYSU](1998 Impact Factor: 0.264).
42. T. Dinski and **X. Zhu**. A bound for the game chromatic number of graphs. *Discrete Mathematics*, 196:109–115, 1999. [SCIE,NSYSU](1999 Impact Factor: 0.318).
43. **X. Zhu**. Construction of uniquely H-colorable graphs. *Journal of Graph Theory*, 30:1–6, 1999. [SCI, NSYSU](1999 Impact Factor: 0.544).
44. **X. Zhu**. A simple proof of Moser’s theorem. *Journal of Graph Theory*, 30:19–26, 1999. [SCI, NSYSU](1999 Impact Factor: 0.544).
45. D. J. Guan and **X. Zhu**. Game chromatic number of outer planar graphs. *Journal of Graph Theory*, 30:67–70, 1999. [SCI, NSYSU](1999 Impact Factor: 0.544).
46. **X. Zhu**. The game coloring number of planar graphs. *Journal of Combinatorial theory Series B*, 75:245–258, 1999. [SCI, NSYSU](1999 Impact Factor: 0.559).
47. **X. Zhu**. Circular coloring and graph homomorphism. *Bulletin of the Australian Mathematical Society*, 59:83–97, 1999. [SCIE,NSYSU](1999 Impact Factor: 0.184).
48. G. Chang, D. F. Liu, and **X. Zhu**. Distance graphs and T-coloring. *Journal of Combinatorial Theory series B*, 75:259–269, 1999. [SCI, NSYSU](1999 Impact Factor: 0.559).
49. D. Liu and **X. Zhu**. Distance graphs with missing multiples in their distance sets. *Journal of Graph Theory*, 30:245–259, 1999. [SCI, NSYSU](1999 Impact Factor: 0.544).
50. K. W. Lih, D. Liu, and **X. Zhu**. Star extremal circulant graphs. *SIAM Journal on Discrete Mathematics*, 12:491–499, 1999. [SCI, NSYSU](1999 Impact Factor: 0.591).
51. **X. Zhu**. Graphs whose circular chromatic number equal the chromatic number. *Combinatorica*, 19:139–149, 1999. [SCI, NSYSU](1999 Impact Factor: 0.380).
52. G. J. Chang, L. Huang, and **X. Zhu**. Circular chromatic numbers of Mycielski’s graphs. *Discrete Mathematics*, 205:23–37, 1999. [SCIE,NSYSU](1999 Impact Factor: 0.318).

53. **X. Zhu.** Planar graphs with circular chromatic numbers between 3 and 4. *Journal of Combinatorial Theory Series B*, 76:170–200, 1999. [SCI, NSYSU](1999 Impact Factor: 0.559).
54. G. Chang and **X. Zhu.** Pseudo Hamiltonian connected graphs. *Discrete Applied Mathematics*, 100:145–153, 2000. [SCI, NSYSU](2000 Impact Factor: 0.339).
55. P. Hell and **X. Zhu.** Circular chromatic number of series-parallel graphs. *Journal of Graph Theory*, 33:14–24, 2000. [SCI, NSYSU](2000 Impact Factor: 0.364).
56. **X. Zhu.** The game coloring number of pseudo partial  $k$ -trees. *Discrete Mathematics*, 215:245–262, 2000. [SCI, NSYSU](2000 Impact Factor: 0.294).
57. C. Chien and **X. Zhu.** Circular chromatic number of series-parallel graphs of large girth. *Journal of Graph Theory*, 33:185–198, 2000. [SCI, NSYSU](2000 Impact Factor: 0.364).
58. **X. Zhu.** Circular chromatic number and graph minors. *Taiwanese Journal of Mathematics*, 4:643–660, 2000. [SCIE, NSYSU](2000 Impact Factor: 0.348).
59. **X. Zhu.** Circular chromatic number, a survey. *Discrete Mathematics*, 229(1-3):371–410, 2001. [SCI, NSYSU](2001 Impact Factor: 0.301).
60. L. Cai and **X. Zhu.** Game coloring index of graphs. *Journal of Graph Theory*, 36:144–155, 2001. [SCI, NSYSU](2001 Impact Factor: 0.458).
61. J. Nešetřil and **X. Zhu.** Construction of sparse graphs with prescribed circular colorings. *Discrete Mathematics*, 233:277–291, 2001. [SCI, NSYSU](2001 Impact Factor: 0.301).
62. **X. Zhu.** Circular chromatic number of planar graphs of large odd girth. *Electronic Journal of Combinatorics*, 8, #R25:1–11, 2001. [NSYSU].
63. **X. Zhu.** An analogue of Hajós’ theorem for the circular chromatic number. *Proceedings of the American Mathematical Society*, 129:2845–2852, 2001. [SCI, NSYSU](2001 Impact Factor: 0.369).
64. C. Tardif and **X. Zhu.** The level of nonmultiplicativity of graphs. *Discrete Mathematics*, 244:461–471, 2002. [SCI, NSYSU](2002 Impact Factor: 0.395).
65. **X. Zhu.** The fractional chromatic number of the direct product of graphs. *Glasgow Mathematical Journal*, 44:103–115, 2002. [SCI, NSYSU](2002 Impact Factor: ).
66. Z. Pan and **X. Zhu.** The circular chromatic of series-parallel graphs of large odd girth. *Discrete Mathematics*, 245:235–246, 2002. [SCI, NSYSU](2002 Impact Factor: 0.395).
67. Wenjie He, Xiaoling Hou, Ko-Wei Lih, Jiating Shao, Weifan Wang, and **X. Zhu.** Edge-partitions of planar graphs and their game coloring numbers. *Journal of Graph Theory*, 41(4):307–317, 2002. [SCI, NSYSU](2002 Impact Factor: 0.377).
68. **X. Zhu.** Circular colouring and orientation of graphs. *Journal of Combinatorial Theory Series B*, 86(1):109–113, 2002. [SCI, NSYSU](2002 Impact Factor: 0.758).
69. **X. Zhu.** Circular chromatic number of distance graphs with distance set of cardinality 3. *Journal of Graph Theory*, 41(3):195–207, 2002. [SCI, NSYSU](2002 Impact Factor: 0.377).
70. C. Tardif and **X. Zhu.** On Hedetniemi’s conjecture and the colour template scheme. *Discrete Mathematics*, 253:77–85, 2002. [SCI, NSYSU](2002 Impact Factor: 0.395).
71. D. Liu and **X. Zhu.** Asymptotic clique covering ratios of distance graphs. *European Journal of Combinatorics*, 23(3):315–327, 2002. [SCI, NSYSU](2002 Impact Factor: 0.472).
72. Z. Pan and **X. Zhu.** Tight relation between the circular chromatic number and the girth of series-parallel graphs. *Discrete Mathematics*, 254:393–404, 2002. [SCI, NSYSU](2002 Impact Factor: 0.395).
73. C. Chou, W. Wang, and **X. Zhu.** Relaxed game chromatic number of graphs. *Discrete Mathematics*, 262:89–98, 2003. [SCI, NSYSU](2003 Impact Factor: 0.303).

74. S. Liaw, Z. Pan, and **X. Zhu**. Construction of  $k_n$ -minor free graphs with given circular chromatic number. *Discrete Mathematics*, 263:191–206, 2003. [SCI, NSYSU](2003 Impact Factor: 0.303).
75. **X. Zhu**. An analogue of Hajós’ theorem for the circular chromatic number (II). *Graphs and Combinatorics*, 19:419–432, 2003. [SCIE,NSYSU](2003 Impact Factor: 0.159).
76. **X. Zhu**. The circular chromatic number of a class of distance graphs. *Discrete Mathematics*, 265(1-3):337–350, 2003. [SCI, NSYSU](2003 Impact Factor: 0.303).
77. F. Hwang and **X. Zhu**. Combinatorics and algorithms - preface. *Discrete Mathematics*, 253(1-3):1–1, 2002. [SCI, NSYSU](2002 Impact Factor: 0.395).
78. Z. Pan and **X. Zhu**. Construction of graphs with given circular flow numbers. *Journal of Graph Theory*, 43:304–318, 2003. [SCI, NSYSU](2003 Impact Factor: 0.289).
79. H. Hajiabolhassan and **X. Zhu**. Circular chromatic number of subgraphs. *Journal of Graph Theory*, 44(2):95–105, 2003. [SCI, NSYSU](2003 Impact Factor: 0.289).
80. H. Hajiabolhassan and **X. Zhu**. Circular chromatic number and Mycielski construction. *Journal of Graph Theory*, 44(2):106–115, 2003. [SCI, NSYSU](2003 Impact Factor: 0.289).
81. H. Hajiabolhassan and **X. Zhu**. Circular chromatic number of Kneser graphs. *Journal of Combinatorial Theory Series B*, 88(2):299–303, 2003. [SCI, NSYSU](2003 Impact Factor: 0.550).
82. D. Liu and **X. Zhu**. Circular distance two labelings and circular chromatic numbers. *Ars Combinatoria*, 69:177–183, 2003. [SCIE,NSYSU](2003 Impact Factor: 0.139).
83. K. Lih, W. Wang, and **X. Zhu**. Coloring the square of a  $K_4$ -minor free graph. *Discrete Mathematics*, 269(1-3):303–309, 2003. [SCI, NSYSU](2003 Impact Factor: 0.303).
84. H. G. Yeh and **X. Zhu**. 4-colorable 6-regular toroidal graphs. *DISCRETE MATHEMATICS*, 273(1-3):261–274, 2003. [SCI, NSYSU](2003 Impact Factor: 0.303).
85. H. Hajiabolhassan and **X. Zhu**. Spars H-colourable graphs of bounded maximum degree. *Graphs and Combinatorics*, 20(1):65–71, 2004. [SCIE,NSYSU](2004 Impact Factor: 0.235).
86. J. Nešetřil and **X. Zhu**. On sparse graphs with given colorings and homomorphisms. *Journal of Combinatorial Theory Series B*, 90(1):161–172, 2004. [SCI, NSYSU](2004 Impact Factor: 0.618).
87. **X. Zhu**. Perfect graphs for generalized colouring - circular perfect graphs. To appear in *AMS, DIMACS series: Proceedings of the DIMACS/DIMATIA Workshop on Graphs, Morphisms and Statistical Physics*, 63:177–193, 2004. [NSYSU].
88. W. He, J. Wu, and **X. Zhu**. Relaxed game chromatic number of trees and outerplanar graphs. *Discrete Mathematics*, 281(1-3):209–219, 2004. [SCI, NSYSU](2004 Impact Factor: 0.374).
89. W. R. Chen, F. K. Hwang, and **X. Zhu**. Equivalence of the one-rate model to the classical model on strictly nonblocking switching networks. *SIAM J. on Discrete Mathematics*, 17(3):446–452, 2004. [SCI, NSYSU](2004 Impact Factor: 0.636).
90. M. Hosseini Dolama, E. Sopena, and **X. Zhu**. Incidence coloring of  $k$ -degenerated graphs. *Discrete Mathematics*, 283(1-3):121–128, 2004. [SCI, NSYSU](2004 Impact Factor: 0.374).
91. D. Liu and **X. Zhu**. Fractional chromatic number and circular chromatic number for distance graphs with large clique size. *Journal of Graph Theory*, 47(2):129–146, 2004. [SCI, NSYSU](2004 Impact Factor: 0.460).
92. D. Liu and **X. Zhu**. Fractional chromatic number and circular chromatic number for distance graphs with large clique size(vol 48, pg 329, 2005). *Journal of Graph Theory*, 48(4):329–330, 2005. [SCI, NSYSU](2005 Impact Factor: 0.319).
93. Z. Pan and **X. Zhu**. Density of the circular chromatic numbers of series-parallel graphs. *Journal of Graph Theory*, 46(1):57–68, 2004. [SCI, NSYSU](2004 Impact Factor: 0.460).

94. **X. Zhu**. The circular chromatic number of induced subgraphs. *Journal of Combinatorial Theory (B)*, 92(1):177–181, 2004. [SCI, NSYSU](2004 Impact Factor: 0.618).
95. D. Liu and **X. Zhu**. Multi-level distance labelings for paths and cycles. *SIAM J. on Discrete Mathematics*, 19(3):610–621, 2005. [SCI, NSYSU](2005 Impact Factor: 0.885).
96. M. DeVos, L. Goddyn, B. Mohar, D. Vertigan, and **X. Zhu**. Coloring-flow duality of embedded graphs. *Transaction of the American Mathematical Society*, 357(10):3993–4016, 2005. [SCI, NSYSU](2005 Impact Factor: 0.827).
97. **X. Zhu**. Circular choosability of graphs. *Journal of Graph Theory*, 48(3):210–218, 2005. [SCI, NSYSU](2005 Impact Factor: 0.319).
98. **X. Zhu**. Circular perfect graphs. *Journal of Graph Theory*, 48(3):186–209, 2005. [SCI, NSYSU](2005 Impact Factor: 0.319).
99. Z. S. Pan and **X. Zhu**. Graphs of large girth with prescribed partial circular colourings. *Graphs and Combinatorics*, 21(1):119–129, 2005. [SCI, NSYSU](2005 Impact Factor: 0.299).
100. H. G. Yeh and **X. Zhu**. Resource-sharing system scheduling and circular chromatic number. *Theoretical Computer Science*, 332(1-3):447–460, 2005. [SCI, NSYSU](2005 Impact Factor: 0.743).
101. Peyman Afshani, Mahsa Ghandehari, Mahya Ghandehari, Hamed Hatami, Ruzbeh Tusserkani, and **X. Zhu**. Circular chromatic index of graphs of maximum degree 3. *Journal of Graph Theory*, 49(4):325–335, 2005. [SCI, NSYSU](2005 Impact Factor: 0.319).
102. D. Liu and **X. Zhu**. Circular distance two labeling and the  $\lambda$  number for outer planar graphs. *SIAM J. on Discrete Mathematics*, 19(2):281–293, 2005. [SCI, NSYSU](2005 Impact Factor: 0.885).
103. A. Pecher, A. Wagler, and **X. Zhu**. Three classes of minimal circular-imperfect graphs. In *Proceedings of GRACO2005*, pages 9–15(electronic), Electron. Notes Discrete Math., 19, Elsevier, Amsterdam, 2005. [NSYSU].
104. D. Král', L. Tong, and **X. Zhu**. Upper Hamiltonian numbers and Hamiltonian spectra of graphs. *Australasian Journal of Combinatorics*, 35:329–340, 2006. [NSYSU].
105. S. Klavžar, T. Wong, and **X. Zhu**. Distinguishing labelings of group action on vector spaces and graphs. *Journal of Algebra*, 303:626–641, 2006. [SCI, NSYSU](2006 Impact Factor: 0.568).
106. Shuyuan Lin and **X. Zhu**. Uniquely circular colourable and uniquely fractional colourable graphs of large girth. *Contribution to Discrete Mathematics*, 1:57–67, 2006. [NSYSU].
107. **X. Zhu**. Recent development in circular colouring of graph. *Topics in Discrete Mathematics*, Springer, pages 497–550, 2006. [NSYSU].
108. A. Pecher and **X. Zhu**. On the circular chromatic number of circular partitionable graphs. *Journal of Graph Theory*, 52:294–306, 2006. [SCI, NSYSU](2006 Impact Factor: 0.403).
109. Hungyung Chang and **X. Zhu**. The d-relaxed game chromatic index of k-degenerated graphs. *Australasian Journal of Combinatorics*, 36:73–82, 2006. [NSYSU].
110. J. Wu and **X. Zhu**. Relaxed game chromatic number of outer planar graphs. *Ars Combinatoria*, 81:359–367, 2006. [SCI, NSYSU](2006 Impact Factor: 0.142).
111. Tomáš Kaiser, Daniel Král' Riste Škrekovski, and **X. Zhu**. The circular chromatic index of graphs of high girth. *Journal of Combinatorial Theory (B)*, 97(1):1–13, 2007. [SCI, NSYSU](2007 Impact Factor: 1.017).
112. S. Klavžar and **X. Zhu**. Cartesian powers of graphs can be distinguished by two labels. *European Journal of Combinatorics*, 28(1):303–310, 2007. [SCI, NSYSU](2007 Impact Factor: 0.651).
113. Andre Raspaud and **X. Zhu**. List circular coloring of trees and cycles. *Journal of Graph Theory*, 55(3):249–265, 2007. [SCI, NSYSU](2007 Impact Factor: 0.503).

114. Tomasz Bartnicki, Jarosław Grytczuk, H. A. Kierstead, and **X. Zhu**. The map colouring game. *American Mathematics Monthly*, 114(3):793–803, 2007. [NSYSU].
115. **X. Zhu**. Refined activation strategy for the marking game. *Journal of Combinatorial Theory (B)*, 98:1–18, 2008. [SCI, NSYSU](2008 Impact Factor: 1.060).
116. J. J. Wu and **X. Zhu**. Lower bounds for the game colouring number of partial  $k$ -trees and planar graphs. *Discrete Mathematics*, 308(12):2637–2642, 2008. [SCI, NSYSU](2008 Impact Factor: 0.502).
117. S. Norine and **X. Zhu**. Circular degree choosability. *Electron. J. Combin.*, 15(1):Research Paper 100, 8pp, 2008. [SCI, NSYSU](2008 Impact Factor: 0.586).
118. P. Hell and **X. Zhu**. On the adaptable chromatic number of graphs. *European Journal of Combinatorics*, 29(4):912–921, 2008. [SCI, NSYSU](2008 Impact Factor: 0.678).
119. Z. S. Pan and **X. Zhu**. Minimal circular-imperfect graphs of large clique number and large independence number. *European Journal of Combinatorics*, 29(4):1055–1063, 2008. [SCI, NSYSU](2008 Impact Factor: 0.678).
120. D. B. West and **X. Zhu**. Circular chromatic index of cartesian products of graphs. *Journal of Graph Theory*, 57(1):7–18, 2008. [SCI, NSYSU](2008 Impact Factor: 0.655).
121. D. Yang and **X. Zhu**. Activation strategy for asymmetric marking games. *European Journal of Combinatorics*, 29:1123–1132, 2008. [SCI, NSYSU](2008 Impact Factor: 0.678).
122. W. Lin, D. Yang, C. Yang, and **X. Zhu**. Circular consecutive choosability of graphs. *Taiwanese Journal of Mathematics*, 12(4):951–968, 2008. [SCI, NSYSU](2008 Impact Factor: 0.583).
123. Daphne Liu and **X. Zhu**. Fractional chromatic number of distance graphs generated by two-interval sets. *European Journal of Combinatorics*, 29(7):1733–1743, 2008. [SCI, NSYSU](2008 Impact Factor: 0.678).
124. A. V. Kostochka and **X. Zhu**. Adapted list coloring of graphs and hypergraphs. *Siam Journal on Discrete Mathematics*, 22(1):398–408, 2008. [SCI, NSYSU](2008 Impact Factor: 0.598).
125. **X. Zhu**. Game coloring the cartesian product of graphs. *Journal of Graph Theory*, 59(4):261–278, 2008. [SCI, NSYSU](2008 Impact Factor: 0.655).
126. Daphne Liu and **X. Zhu**. Coloring the cartesian sum of graphs. *Discrete Mathematics*, 308:5928–5936, 2008. [SCI, NSYSU](2008 Impact Factor: 0.502).
127. J. Wu and **X. Zhu**. The 6-relaxed game chromatic number of outerplanar graphs. *Discrete Mathematics*, 308:5974–5980, 2008. [SCI, NSYSU](2008 Impact Factor: 0.502).
128. S. Norine, T. Wong, and **X. Zhu**. Circular choosability via combinatorial nullstellensatz. *Journal of Graph Theory*, 59:190–204, 2008. [SCI, NSYSU](2008 Impact Factor: 0.655).
129. T. Wong and **X. Zhu**. Distinguishing labelings of group actions. *Discrete Mathematics*, 309:1760–1765, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
130. **X. Zhu**. Colouring graphs with bounded generalized colouring number. *Discrete Mathematics*, 309(18):5562–5568, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
131. **X. Zhu**. Bipartite subgraphs of triangle-free subcubic graphs. *Journal of Combinatorial Theory Ser. B*, 99:62–83, 2009. [SCI, NSYSU](2009 Impact Factor: 1.155).
132. **X. Zhu**. Bipartite density of triangle-free subcubic graphs. *Discrete Applied Mathematics*, 157(4):710–714, 2009. [SCI, NSYSU](2009 Impact Factor: 0.816).
133. Mickaël Montassier, André Raspaud, and **X. Zhu**. An upper bound on adaptable choosability of graphs. *European Journal of Combinatorics*, 30(2):351–355, 2009. [SCI, NSYSU](2009 Impact Factor: 0.822).
134. H. Chung and **X. Zhu**. Colouring games on outerplanar graphs and trees. *Discrete Mathematics*, 309(10):3185–3196, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).

135. L. Esperet, M. Montassier, and **X. Zhu**. Adapted list coloring of planar graphs. *Journal of Graph Theory*, 62:127–138, 2009. [SCI, NSYSU](2009 Impact Factor: 0.662).
136. Louis Esperet and **X. Zhu**. Game colouring of the square of graphs. *Discrete Mathematics*, 309(13):4514–4521, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
137. Pavol Hell, Zhishi Pan, Tsai-Lien Wong, and **X. Zhu**. Adaptable colouring of graph products. *Discrete Mathematics*, 309:6153–6159, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
138. Wensong Lin and **X. Zhu**. Game circular coloring of graphs. *Discrete Mathematics*, 309:4495–4501, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
139. W. Lin, D. Liu, and **X. Zhu**. Multi-coloring the Mycielskian of graphs. *Journal of Graph Theory*, 63(4):311–323, 2010. [SCI, NSYSU](2010 Impact Factor: 0.662).
140. and **X. Zhu**. Adaptable choosability of planar graphs with sparse short cycles. *Discrete Mathematics*, 309:6044–6047, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
141. M. Montassier, A. Pecher, A. Raspaud, D. B. West, and **X. Zhu**. Decomposition of sparse graphs, with application to game coloring number. *Discrete Mathematics*, 310(10-11):1520–1523, 2010. [SCI, NSYSU](2009 Impact Factor: 0.548).
142. H. Kierstead, B. Mohar, S. Spacapan, D. Q. Yang, and **X. Zhu**. The two-coloring number and degenerate colorings of planar graphs. *SIAM JOURNAL ON DISCRETE MATHEMATICS*, 23(3):1548–1560, 2009. [SCI, NSYSU](2009 Impact Factor: 0.668).
143. H. Hatami and **X. Zhu**. The fractional chromatic number of graphs of maximum degree at most three. *SIAM JOURNAL ON DISCRETE MATHEMATICS*, 23(4):1762–1775, 2009. [SCI, NSYSU](2009 Impact Factor: 0.668).
144. G. J. Chang, J. J. Wu, and **X. Zhu**. Rainbow domination on trees. *Discrete Applied Mathematics*, 158(1):8–12, 2010. [SCI, NSYSU](2009 Impact Factor: 0.816).
145. Leizhen Cai and Weifan Wang and **X. Zhu**. Choosability of toroidal graphs without short cycles. *Journal of Graph Theory*, to appear. [SCI, NSYSU](2009 Impact Factor: 0.662).
146. **X. Zhu**. On-line list colouring of graphs. *Electronic Journal of Combinatorics*, 16(1):Research Paper 127, 16pp, 2009. [SCI, NSYSU](2009 Impact Factor: 0.605).
147. D. Q. Yang and **X. Zhu**. Game colouring directed graphs. *Electronic Journal of Combinatorics*, 17(1):Research Paper 11, 2010. [SCI, NSYSU](2009 Impact Factor: 0.605).
148. Tsai-Lien Wong and **X. Zhu**. Total weight choosability of graphs. *Journal of Graph Theory*, to appear. [SCI, NSYSU](2009 Impact Factor: 0.662).
149. Daphne Liu, Serguei Norine, Zhishi Pan, and **X. Zhu**. Circular consecutive choosability of  $k$ -choosable graphs. *Journal of Graph Theory*, to appear. [SCI, NSYSU](2009 Impact Factor: 0.662).
150. Andre Raspaud and **X. Zhu**. Circular flow on signed graphs. *Journal of Combinatorial Theory Ser. B*, to appear. [SCI, NSYSU](2009 Impact Factor: 1.155).
151. Edita Máčajová, Andre Raspaud, Michael Tarsi, and **X. Zhu**. Short cycle covers of graphs and nowhere-zero flows. *Journal of Graph Theory*, to appear. [SCI, NSYSU](2009 Impact Factor: 0.662).
152. Zhishi Pan and **X. Zhu**. Multiple colouring of cone graphs. *SIAM Journal on Discrete Mathematics*, to appear. [SCI, NSYSU](2009 Impact Factor: 0.668).
153. Mickael Montassier, Andre Raspaud, and **X. Zhu**. Decomposition of sparse graphs into two forests, one having bounded maximum degree. *Information Processing Letters*, to appear. [SCI, NSYSU](2009 Impact Factor: 0.764).
154. N. Roussel and **X. Zhu**. Total coloring of planar graphs of maximum degree eight. *Information Processing Letters*, 110(8-9):321–324, 2010. [SCI, NSYSU](2009 Impact Factor: 0.764).



155. **X. Zhu.** Fractional hedetniemi's conjecture is true. *European Journal of Combinatorics*, to appear. [SCI, NSYSU](2009 Impact Factor: 0.822).

何宗軒教授 (Mark C. Ho) (85年6月畢業，86年8月到校)

(A) 期刊論文

1. **Mark C. Ho.** Properties of slant Toeplitz operators. *Indiana University Mathematics Journal*, 45(3):843–862, 1996. [SCI].
2. **Mark C. Ho.** Spectra of slant Toeplitz operators with continuous symbols. *Michigan Mathematical Journal*, 44:157–166, 1997. [SCI].
3. **Mark C. Ho.** Adjoints of slant Toeplitz operators. *Integral Equations and Operator Theory*, 29:301–312, 1997. [SCIE, NSYSU].
4. **Mark C. Ho.** Adjoints of slant Toeplitz operators II. *Integral Equations and Operator Theory*, 41:179–188, 2001. [SCI, NSYSU].
5. **Mark C. Ho.** Spectral radius of sampling operator with continuous symbol. *Proceedings of American Mathematical Society*, 129(11):3285–3295, 2001. [SCI, NSYSU].
6. **Mark C. Ho.** Operators on spaces of analytic functions belonging to  $\mathcal{L}^{(1, \infty)}$ . *Journal of Mathematical Analysis and Applications*, 268:665–683, 2002. [SCI, NSYSU].
7. **Mark C. Ho.** A rough estimate for the spectral radius of sampling operators. *Linear Algebra and its Applications*, 375:51–61, 2003. [SCI, NSYSU](2003 Impact Factor: 0.656).
8. **Mark C. Ho** and M. M. Wong. Constructing spaces of analytic functions through binormalizing sequences. *Colloquium Math.*, 106(2):177–195, 2006. [NSYSU].
9. **Mark C. Ho** and M. M. Wong. Analytic spaces defined by symmetric norming functions. *Taiwanese Journal of Mathematics*, 10(1):1–11, 2006. [SCI, NSYSU](2006 Impact Factor: 0.357).
10. **Mark C. Ho** and M. M. Wong. Applications of the theory of *s.n.* functions to the duality of analytic function spaces and the Hankel operators in  $\mathfrak{S}_\pi$ . *Indiana University Mathematics Journal*, 55(5):1646–1669, 2006. [SCIE, NSYSU](2006 Impact Factor: 1.029).
11. **Mark C. Ho**, Mu-Ming Wong, and Ngai-Ching Wong. The density of algebraic elements in  $C^*$ -algebras. *Taiwanese J. Math.*, 12(9):2593–2600, 2008. [SCI, NSYSU](2008 Impact Factor: 0.583).
12. **Mark C. Ho** and Mu-Ming Wong. Operators that commute with slant Toeplitz operators. *Applied Mathematics Research Express*, 2008:Article ID abn003, 20 pages, doi:10.1093/amrx/abn003. [NSYSU].
13. **Mark C. Ho** and Mu-Ming Wong. The space  $B_\pi$  and its dual. Submitted. [NSYSU].
14. **Mark C. Ho.** Infinite matrices determined by dyadic recurrent formula and certain action on  $\mathcal{B}(\mathcal{H})$  induced by shifts. Submitted. [NSYSU].
15. **Mark C. Ho.** A simple comparison between the Toeplitz and the  $\lambda$ -Toeplitz operators. Preprint. [NSYSU].

黄杰森教授 (Chieh-Sen Huang) (87年8月畢業，87年8月到校)

(A) 期刊論文

1. Jr., Jim Douglas and **Chieh-Sen Huang**. An accelerated domain decomposition procedures based on Robin transmission conditions. *BIT*, 37:678–686, 1997. [SCI].
2. Jr., Jim Douglas and **Chieh-Sen Huang**. Accelerated domain decomposition iterative procedures for mixed methods based on Robin transmission conditions. *Calcolo*, 35:131–147, 1998. [NSYSU].
3. Jr., Jim Douglas, **Chieh-Sen Huang**, and Felipe Pereira. The modified method of characteristics with adjusted advection. *Numerische Mathematik*, 83:353–369, 1999. [SCI, NSYSU].
4. **Chieh-Sen Huang**, K. L. Teo, and S. Wang. Solving hamilton-jacobi-bellman equations by a modified method of characteristics. *Nonlinear Analysis*, 40:279–293, 2000. [SCI, NSYSU].
5. **Chieh-Sen Huang**. Convergence analysis of a mass-conserving approximation of immiscible displacement by a modified method of characteristics with adjusted advection. *Computational Geosciences*, 4(2):165–184, 2000. [SCIE,NSYSU].
6. Jr Jim Douglas and **Chieh-Sen Huang**. A locally conservative eulerian-lagrangian finite difference method for a parabolic equation. *BIT*, 41(3):480–489, 2001. [SCI, NSYSU].
7. Jr Jim Douglas, **Chieh-Sen Huang**, and Anna M. Spagnuolo. Fractally fractured porous media and nuclear contamination. *Computational and Applied Mathematics*, 21:409–428, 2002. [NSYSU].
8. **Chieh-Sen Huang**, S. Wang, and K. L. Teo. On application of an alternating direction method to Hamilton-Jacobi-Bellman equations. *Journal of Computational and Applied Mathematics*, 166(1):153–166, 2004. [SCIE,NSYSU](2004 Impact Factor: 0.486).
9. Zi-Cai Li, **Chieh-Sen Huang**, and R. C. D. Chen. Interior boundary conditions in the schwarz alternating method for the trefftz method. *Engineering Analysis with Boundary Elements*, 29(5):477–493, 2005. [SCIE,NSYSU](2005 Impact Factor: 0.894).
10. **Chieh-Sen Huang**, C. H. Hung, and S. Wang. A fitted finite volume method for the valuation of options on assets with stochastic volatilities. *COMPUTING*, 77(3):297–320, 2006. [SCI,NSYSU](2007 Impact Factor: 0.880).
11. **Chieh-Sen Huang**, S. Wang, C. S. Chen, and Z. C. Li. A radial basis collocation method for Hamilton-Jacobi-Bellman equations. *Automatica*, 42:2201–2207, 2006. [SCI,NSYSU](2007 Impact Factor: 2.083).
12. Todd Arbogast and **Chieh-Sen Huang**. A fully mass and volume conserving implementation of a characteristic method for transport problems. *SIAM Journal on Scientific Computing*, 28(6):2001–2022, 2006. [SCI,NSYSU](2007 Impact Factor: 1.784).
13. C. S. Chen, Sungwook Lee, and **Chieh-Sen Huang**. Derivation of particular solutions using Chebyshev polynomial based functions. To appear in *International Journal of Computational Methods*. [NSYSU].
14. C. S. Chen, C. F. Lee, and **Chieh-Sen Huang**. Error estimate, optimal shape factor, and high precision computation of multiquadric collocation method. *Engineering Analysis with Boundary Elements*, 31:614–623, 2007. [SCI,NSYSU](2007 Impact Factor: 0.936).
15. Todd Arbogast and **Chieh-Sen Huang**. Improved accuracy for alternating-direction methods for Parabolic equations based on regular and mixed finite elements. *Mathematical Models and Methods in Applied Sciences*, 17:1279–1305, 2007. [SCI,NSYSU](2007 Impact Factor: 1.671).
16. S. Wang and **Chieh-Sen Huang**. A power penalty method for solving a nonlinear parabolic complementarity problem. *Nonlinear Analysis Series A: Theory, Methods & Applications*, 69(4):1125–1137, 2008. [SCI,NSYSU](2007 Impact Factor: 1.097).

17. **Chieh-Sen Huang**, C. H. Hung, and S. Wang. On convergence of a fitted finite volume method for the valuation of options on assets with stochastic volatilities. (Advance Access published 2009) *IMA Journal of Numerical Analysis*. doi:10.1093/imanum/drp016[SCI,NSYSU](2008 Impact Factor: 1.405).
18. Todd Arbogast and **Chieh-Sen Huang**. A fully conservative Eulerian-Lagrangian method for a convection-diffusion problem in a solenoidal field. *Journal of Computational Physics*, 229:3415–3427, 2010. [SCI,NSYSU](2009 Impact Factor: 2.369).
19. **Chieh-Sen Huang** H.-D. Yen and A.H.-D. Cheng. On the increasingly flat radial basis function and optimal shape parameter for the solution of elliptic PDEs. to appear in *Engineering Analysis with Boundary Elements*, 2010. [SCI,NSYSU](2009 Impact Factor: 1.531).

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#### (A) 期刊論文

1. **Y. Chiang**. Geometric intersection numbers on a four-punctured sphere. *Conformal Geometry and Dynamics*, 1:87–103, 1997.
2. **Y. Chiang**. The Quasi-Fuchsian space of four-punctured spheres. *Contemporary Mathematics*, 211:121–149, 1997.
3. **Y. Chiang**. Geometric intersection numbers on a five punctured sphere. *Annales Academia Scientiarum Fennica Mathematica*, 26:73–124, 2001. [SCIE,NSYSU].
4. O. Chadli, **Y. Chiang**, and J. C. Yao. Equilibrium problems with upper and lower bounds. *Applied Mathematics Letters*, 15:327–331, 2002. [SCI,NSYSU].
5. O. Chadli, **Y. Chiang**, and S. Huang. Topological pseudomonotonicity and vector equilibrium problems. *Journal of Mathematical Analysis and Applications*, 270(2):435–450, 2002. [SCI,NSYSU].
6. **Y. Chiang**. Elementary intersection numbers on punctured spheres. *Osaka Journal of Math.*, 39(3):723–752, 2002. [SCIE,NSYSU].
7. **Y. Chiang**, O. Chadli, and J. C. Yao. Existence of solutions to implicit vector variational inequalities. *Journal of Optimization Theory and Applications*, 116:251–264, 2003. [SCI,NSYSU](2003 Impact Factor: 0.583).
8. **Y. Chiang**, O. Chadli, and J. C. Yao. Generalized vector equilibrium problems with trifunctions. *J. Global Optim.*, 30(2-3):135–154, 2004. [SCI,NSYSU](2004 Impact Factor: 0.693).
9. **Y. Chiang**. Vector superior and inferior. *Taiwanese journal of Mathematics*, 8(3):477–487, 2004. [SCI,NSYSU](2004 Impact Factor: 0.292).
10. **Y. Chiang** and J. C. Yao. Vector variational inequalities and the  $(S)_+$ -conditions. *Journal of Optimization Theory and Applications*, 123(2):271–290, 2004. [SCI,NSYSU](2004 Impact Factor: 0.593).
11. **Y. Chiang**. Semicontinuous mappings into T.V.S. with applications to mixed vector variational-like inequalities. *J. Global Optim.*, 32(4):2005, 467-484. [SCI,NSYSU](2005 Impact Factor: 0.662).
12. **Y. Chiang**. The  $(s)_+$  condition for generalized vector variational inequalities. *Journal of Optimization Theory and Applications*, 124(3):581–594, 2005. [SCI,NSYSU](2005 Impact Factor: 0.612).
13. **Y. Chiang**. The  $(s)_+$ -condition for vector equilibrium problems. *Taiwanese Journal of Mathematics*, 10(1):31–43, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).
14. **Y. Chiang** and Y. S. Wang. On closedness in the  $\mathcal{L}$ -topology of t.v.s. *Taiwanese Journal of Mathematics*, 10(1):129–138, 2006. [SCI,NSYSU](2006 Impact Factor: 0.357).

15. **Y. Chiang** and Y. S. Wang. Euclidean self-similar sets generated by geometrically independent sets. *Topology and its Applications*, 154:2376–2390, 2007. [SCI,NSYSU](2007 Impact Factor: 0.480).
16. **Y. Chiang** and R. Y. Wang. The  $(s)_+$  condition on generalized variational inequalities. *J. Global Optim.*, 42:467–474, 2008. [SCI,NSYSU](2008 Impact Factor: 1.062).
17. **Y. Chiang**. Variational inequalities on weakly compact sets. *J. Global Optim.*, 46(3):465–473, 2010. [SCI,NSYSU](2009 Impact Factor: 1.454).
18. **Y. Chiang**. Vectorial exceptional families of elements. *J. Global Optim.*, 47(1):53–62, 2010. [SCI,NSYSU](2009 Impact Factor: 1.454).

**王彩蓮教授 (Tsai-Lien Wong) (85年6月畢業，88年8月到校)**

**(A) 期刊論文**

1. P. H. Lee and **T. L. Wong**. Powers of skew elements in simple rings. *Chinese J. Math.*, 20:367–374, 1992.
2. P. H. Lee and **T. L. Wong**. Derivations cocentralizing Lie ideals. *Bull. Inst. Math. Acad. Sinica*, 23:1–5, 1995.
3. P. H. Lee and **T. L. Wong**. Central  $*$ -differential identities in prime rings. *Canad. Math. Bull.*, 39:211–215, 1996.
4. **T. L. Wong**. Derivations with power-central values on multilinear polynomials. *Algebra Colloq.*, 3:369–378, 1996.
5. **T. L. Wong**. Derivations cocentralizing multilinear polynomials. *Taiwanese J. Math.*, 1:31–37, 1997.
6. P. H. Lee, J. S. Lin, R. J. Wang, and **T. L. Wong**. Commuting traces of multiadditive mappings. *J. Algebra*, 193:709–723, 1997. [SCI].
7. K. I. Beidar, Y. Fong, P. H. Lee, and **T. L. Wong**. On additive maps of prime rings satisfying Engel condition. *Comm. in Algebra*, 25:3889–3902, 1997. [SCI].
8. P. H. Lee and **T. L. Wong**. Derivations with invertible or nilpotent values on multilinear polynomials. *Algebra Colloq.*, 7:93–98, 2000.
9. **T. L. Wong**. Annihilators of power values of derivations on multilinear polynomials. *Comm. Algebra*, 30:4931–4943, 2002. [SCI, NSYSU].
10. T. K. Lee and **T. L. Wong**. On certain subgroups of prime rings with automorphisms. *Comm. Algebra*, 30:4997–5009, 2002. [SCI, NSYSU].
11. M. A. Chebotar, P. H. Lee, and **T. L. Wong**. A note on derivations, additive subgroups and Lie ideals of prime rings. *Comm. Algebra*, 30:5011–5021, 2002. [SCI, NSYSU].
12. **T. L. Wong**. On Lie automorphisms, additive subgroups, and Lie ideals of prime rings. *Comm. Algebra*, 31:969–979, 2003. [SCI, NSYSU].
13. **T. L. Wong**. A note on derivations of higher order and commutativity of prime rings. *Algebra Colloq.*, 10:513–517, 2003. [SCIE,NSYSU].
14. T. K. Lee and **T. L. Wong**. On Armendariz rings. *Houston J. Math.*, 29:583–593, 2003. [SCIE,NSYSU].
15. T. K. Lee and **T. L. Wong**. Semiprime algebras with finiteness conditions. *Comm. Algebra*, 31:1823–1835, 2003. [SCI, NSYSU].
16. **T. L. Wong**. A special functional identity in prime rings. *Comm. Algebra*, 32(1):363–377, 2004. [SCI, NSYSU].

17. T. K. Lee and **T. L. Wong**. Linear generalized polynomials with finiteness conditions. *Commu. Algebra*, 32(12):4535–4542, 2004. [SCI, NSYSU].
18. M. Bresar, D. Eremita, and **T. L. Wong**. On commutators and derivations in rings. *J. Algebra*, 278(2):704–724, 2004. [SCI, NSYSU].
19. **T. L. Wong**. On certain subgroups of semiprime rings with derivations. *Commu. Algebra*, 32(5):1961–1968, 2004. [SCI, NSYSU].
20. **T. L. Wong**. Jordan isomorphisms of triangular rings. *Proc. AMS*, 133(11):3381–3388, 2005. [SCI, NSYSU](2005 Impact Factor: 0.429).
21. Y. F. Lin and **T. L. Wong**. A note on 2-local maps. *Proc. Edinb. Math. Soc.*, 49:701–708, 2006. [SCI, NSYSU](2007 Impact Factor: 0.529).
22. Sandi klavzar, **T. L. Wong**, and Xuding Zhu. Distinguishing labelings of group action on vector spaces and graphs. *Journal of Algebra*, 303(2):626–641, 2006. [SCI, NSYSU](2007 Impact Factor: 0.630).
23. S. Norine, **T. L. Wong**, and X. Zhu. Circular choosability via combinatorial nullstellensatz. *Journal of Graph Theory*, 59:190–204, 2008. [SCI, NSYSU](2007 Impact Factor: 0.503).
24. C. L. Chuang, T. K. Lee, and **T. L. Wong**. The kernel and range inclusions of integral derivations in semiprime rings. *Journal of Algebra*, 320(7):2643–2658, 2008. [SCI, NSYSU](2007 Impact Factor: 0.630).
25. T. Wong and **X. Zhu**. Distinguishing labelings of group actions. *Discrete Mathematics*, 309:1760–1765, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
26. Pavol Hell, Zhishi Pan, **T. L. Wong**, and X. Zhu. Adaptable chromatic number of graph products. *Discrete Mathematics*, 309(21):6153–6159, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).

**董立大教授 (Li-Da Tong) (87年6月畢業，90年8月到校)**

#### (A) 期刊論文

1. G. J. Chang, F. K. Hwang, and **L.-D. Tong**. The Hamiltonian properties of consecutive-3 digraphs. *Math. Computer Modeling*, 25:83–88, 1997. [SCIE].
2. G. J. Chang, F. K. Hwang, and **L.-D. Tong**. Characterizing bit permutation networks. *Networks*, 33:261–267, 1999. [SCI](1999 Impact Factor: 0.311).
3. G. J. Chang, F. K. Hwang, and **L.-D. Tong**. The consecutive-4 digraphs are hamiltonian. *J. of Graph Theory*, 31-1:1–6, 1999. [SCI](1999 Impact Factor: 0.544).
4. S.-C. Liu, **L.-D. Tong**, and Y.N. Yeh. Trees with the minimum Wiener numbers. *International Journal of Quantum Chemistry*, 78:331–340, 2000. [SCI](2000 Impact Factor: 1.317).
5. K. W. Lih, **L.-D. Tong**, and J. H. Yan. On cycle sequences. *Graphs and Combinatorics*, 17:129–133, 2001. [SCIE](2001 Impact Factor: 0.205).
6. **L.-D. Tong**, F. K. Hwang, and G. J. Chang. Channel graphs of bit permutation networks. *Theoretical Computer Science*, 263:139–143, 2001. [SCI](2001 Impact Factor: 0.468).
7. G. J. Chang, **L.-D. Tong**, J. H. Yan, and H. G. Yeh. A note on Gallai-Roy-Vitaver theorem. *Discrete Mathematics*, 256:441–444, 2002. [SCI, NSYSU](2002 Impact Factor: 0.395).
8. K. W. Lih, **L.-D. Tong**, and W. Wang. The linear 2-arboricity of planar graphs. *Graphs and Combinatorics*, 19:241–248, 2003. [SCIE, NSYSU](2003 Impact Factor: 0.159).

9. F.K. Hwang, S. C. Liaw, and **L.-D. Tong**. Strictly nonblocking 3-stage clos networks with some rearrangeable multicast capability. *IEEE Transactions on Communications*, 51(11):1765–1767, 2003. [SCI, NSYSU](2003 Impact Factor: 1.665).
10. G. J. Chang, **L.-D. Tong**, and H.-T. Wang. Geodetic spectra of graphs. *European Journal of Combinatorics*, 25(3):383–391, 2004. [SCI, NSYSU](2004 Impact Factor: 0.303).
11. K. W. Lih, **L.-D. Tong**, and W. F. Wang. The linear 2-arboricity of outerplanar graphs. *Ars Combinatoria*, 73:13–22, 2004. [SCI, NSYSU](2004 Impact Factor: 0.178).
12. K. W. Lih, C. Y. Lin, and **L.-D. Tong**. On an interpolation property of outerplanar graphs. *Discrete Applied Mathematics*, 154(1):166–172, 2006. [SCI, NSYSU](2006 Impact Factor: 0.577).
13. D. Kral, **L.-D. Tong**, and X. Zhu. Upper Hamiltonian numbers and Hamiltonian spectra of graphs. *Australasian Journal of Combinatorics*, 35:329–340, 2006. [NSYSU].
14. K. W. Lih, C. Y. Lin, and **L.-D. Tong**. Non-cover generalized Mycielskian, Kneser, and Schrijver graphs. *Discrete Mathematics*, 308:4653–4659, 2008. [SCI, NSYSU](2008 Impact Factor: 0.502).
15. **L.-D. Tong**, P. L. Yen, and A. Farrugia. The convexity spectra of graphs. *Discrete Applied Mathematics*, 156:1838–1845, 2008. [SCI, NSYSU](2008 Impact Factor: 0.783).
16. **L.-D. Tong** and H. T. Wang. Eccentric spectrum of a graph. *Taiwanese Journal of Mathematics*, 12:969–977, 2008. [SCI, NSYSU](2008 Impact Factor: 0.583).
17. **L.-D. Tong**. The  $(a, b)$ -forcing geodetic graphs. *Discrete Mathematics*, 309:1623–1628, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
18. **L.-D. Tong**. The forcing hull and forcing geodetic numbers of graphs. *Discrete Applied Mathematics*, 157:1159–1163, 2009. [SCI, NSYSU](2009 Impact Factor: 0.816).
19. J. T. Hung, **L.-D. Tong**, and H. T. Wang. The hull and geodetic numbers of orientations of graphs. *Discrete Mathematics*, 309:2134–2139, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
20. **L.-D. Tong**. Geodetic sets and steiner sets in graphs. *Discrete Mathematics*, 309:4205–4207, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
21. G. J. Chang, C.-Y. Lin, and **L.-D. Tong**. Independent arcs of acyclic orientations of complete  $r$ -partite graphs. *Discrete Mathematics*, 309:4280–4286, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
22. H.-H. Lai, K. W. Lih, and **L.-D. Tong**. Full orientability of graphs with at most one dependent arc. *Discrete Applied Mathematics*, 157(13):2969–2972, 2009. [SCI, NSYSU](2009 Impact Factor: 0.816).
23. Hsin-Hao Lai, K. W. Lih, C.-Y. Lin, and **L.-D. Tong**. When is the direct product of generalized mycielski graphs a cover graph. *Ars Combinatoria*, accepted, 2009. [SCI, NSYSU](2009 Impact Factor: 0.396).
24. Y.-P. Chen, Y.-M. Huang, and **L.-D. Tong**. Rearrangeable nonblocking optical interconnection network fabrics with crosstalk constraints. *IEEE/ACM Transactions on Networking*, accepted, 2009. [SCI, NSYSU](2009 Impact Factor: 2.051).

徐洪坤教授 (Hong-Kun Xu) (77年4月畢業，95年8月到校)

#### (A) 期刊論文

1. **H.K. Xu**. Some results concerning Schur spaces. *Journal of Mathematical Research and Exposition*, 4:99–100, 1984. (In Chinese).
2. **H.K. Xu**. Fixed points of set-valued mappings in metric spaces. *Journal of Postgraduates*, 1:14–20, 1984. (In Chinese).

3. **H.K. Xu**. Several results on fixed points. *Journal of Zhejiang University*, 19(2):121–126, 1985. (In Chinese).
4. **H.K. Xu**. Improvements of a fixed point theorem of K.L. Singh and J.H.M. Whitfield. *Journal of Zhejiang University*, 19(3):137–143, 1985. (In Chinese).
5. **H.K. Xu**. A generalization of nearly uniformly convex Banach spaces. *Journal of Shanghai Second Polytechnic University*, 1:21–28, 1986. (In Chinese).
6. **H.K. Xu**. On the four problems of S.A. Naimpally and K.L. Singh. *Journal of the Postgraduates*, 1:1–7, 1987. (In Chinese).
7. **H.K. Xu** and Z.B. Xu. An  $L_p$  inequality and its applications to fixed point theory and approximation theory. *Proc. Royal Soc. of Edinburgh*, 112A:343–351, 1989.
8. **H.K. Xu**. Maluta’s question on sequence coefficients in Banach spaces. *Kexue Tongbao*, 34:725–726, 1989. (In Chinese).
9. **H.K. Xu**. Some results of the Maluta constant  $D(X)$  for a Banach space  $X$ . *Chinese Annals of Mathematics*, 11A:81–87, 1990. (In Chinese).
10. Z.Y. You and **H.K. Xu**. An ergodic convergence theorem for mappings of asymptotically nonexpansive type. *Chinese Annals of Mathematics*, 11A:519–523, 1990. (In Chinese).
11. Z.Y. You and **H.K. Xu**. On a problem of van Dulst. *Chinese Quarterly Journal of Mathematics*, 5:11–13, 1990.
12. **H.K. Xu**. The existence of nonexpansive retractions for nonlinear commutative semigroups of nonexpansive mappings in uniformly convex Banach spaces. *Chinese Science Bulletin (Kexue Tongbao)*, 35:481–484, 1990. (In Chinese).
13. **H.K. Xu**. Some random fixed point theorems for condensing and nonexpansive operators. *Proceedings of the American Mathematical Society*, 110:395–400, 1990.
14. **H.K. Xu**. Fixed point theorems for uniformly Lipschitzian semigroups in uniformly convex spaces. *Journal of Mathematical Analysis and Applications*, 152:391–398, 1990.
15. **H.K. Xu** T.C. Lim and Z.B. Xu. Some  $L_p$  inequalities and their applications to fixed point theory and approximation theory. *Progress in Approximation Theory*, pages 609–624, 1991.
16. **H.K. Xu**. On weakly nonexpansive and  $*$ -nonexpansive multivalued mappings. *Mathematica Japonica*, 36:441–445, 1991.
17. **H.K. Xu**. Weak convergence for reversible semigroups of Lipschitzian mappings. *Journal of East China University of Chemical Technology*, 17:501–504, 1991. (In Chinese).
18. **H.K. Xu**. Inequalities in Banach spaces with applications. *Nonlinear Analysis: Theory, Methods and Applications*, 16:1127–1138, 1991. [This paper won an “EISI Citation Classic Award” in recognition of its influence and high citation from the period 1981-1998].
19. **H.K. Xu**. Existence and convergence for fixed points of mappings of asymptotically nonexpansive type. *Nonlinear Analysis: Theory, Methods and Applications*, 16:1139–1146, 1991.
20. K.K. Tan and **H.K. Xu**. On fixed point theorems of nonexpansive mappings in product spaces. *Proceedings of the American Mathematical Society*, 113:983–989, 1991.
21. **H.K. Xu**. A fixed point theorem for semigroups of proximately uniformly Lipschitzian mappings. *Canadian Mathematical Bulletin*, 34:559–562, 1991.
22. **H.K. Xu**. Asymptotic behavior of almost-orbits of asymptotically nonexpansive semigroups in Banach spaces. *Journal of Engineering Mathematics*, 8(2):19–30, 1991.

23. K.K. Tan and **H.K. Xu**. The nonlinear ergodic theorem for asymptotically nonexpansive mappings in Banach spaces. *Proceeding of the American Mathematical Society*, 114:399–404, 1992.
24. K.K. Tan and **H.K. Xu**. A nonlinear ergodic theorem for asymptotically nonexpansive mappings. *Bulletin of the Australian Mathematical Societ*, 45:25–36, 1992.
25. **H.K. Xu**. An application of nonexpansive operators to invariant approximations. *Journal of East China University of Chemical Technology*, 18:110–112, 1992. (In Chinese).
26. **H.K. Xu**. A note on the Ishikawa iteration scheme. *Journal of Mathematical Analysis and Applications*, 167:582–587, 1992.
27. Y.Z. Yong and **H.K. Xu**. K-Uniform rotundity and fixed points of mappings of asymptotically nonexpansive type. *Journal of Engineering Mathematics*, 9(4):1–8, 1992. (In Chinese).
28. K.K. Tan and **H.K. Xu**. An ergodic theorem for nonlinear semigroups of Lipschitzian mappings in Banach spaces. *Nonlinear Analysis: Theory, Methods and Applications*, 19:805–813, 1992.
29. **H.K. Xu**. Asymptotic behavior of almost-orbits of nonlinear semigroups. *Proceedings of the First Academic Annual Meeting of Youths of China Association for Science and Technology*, pages 66–71, 1992. China Science and Technology Press, Beijing, 1992. (In Chinese).
30. K.K. Tan and **H.K. Xu**. Asymptotic behavior of nonlinear Lipschitzian semigroups in Banach spaces. *Fixed Point Theory and Applications*, pages 322–333, 1992. (Edited by K.K. Tan), World Scientific, Singapore, 1992.
31. **H.K. Xu**. A random fixed point theorem for multivalued nonexpansive operators in uniformly convex Banach spaces. *Proceedings of the American Mathematical Society*, 117:1089–1092, 1993.
32. K.K. Tan and **H.K. Xu**. Asymptotic behavior of almost-orbits of nonlinear semigroups of non-Lipschitzian mappings in Hilbert spaces. *Proceedings of the American Mathematical Society*, 117:385–393, 1993.
33. K.K. Tan and **H.K. Xu**. Fixed point theorems for lipschitzian semigroups in banach spaces. *Nonlinear Analysis: Theory, Methods and Applications*, 20:395–404, 1993.
34. K.K. Tan and **H.K. Xu**. Iterative solutions to nonlinear equations of strongly accretive operators in Banach spaces. *Journal of Mathematical Analysis and Applications*, 178(1):9–21, 1993.
35. **H.K. Xu**. Approximating fixed points of nonexpansive mappings by the Ishikawa iteration process. *Journal of Mathematical Analysis and Applications*, 178(2):301–308, 1993.
36. **H.K. Xu**. Measures of noncompactness and normal type structures in Banach spaces. *PanAmerican Mathematical Journal*, 3(2):17–34, 1993.
37. X.W. Lu M. Su and **H.K. Xu**. The monotone iterative technique for first order differential equations in banach spaces. *Mathematica Japonica*, 38(4):667–673, 1993.
38. J.M. Aryerbe and **H.K. Xu**. On some geometrical coefficients of Banach spaces relating to fixed point theory. *PanAmerican Mathematical Journal*, 3(3):47–59, 1993.
39. C. Li and **H.K. Xu**. Characteristic theorems for copositive approximations. *Journal of East China University of Science and Technology*, 19(2):217–223, 1993. (In Chinese).
40. Z.Y. You and **H.K. Xu**. Finite-dimensional decompositions and fixed points of nonexpansive mappings. *Gongcheng Shuxue Xuebao*, 11:94–98, 1994.
41. **H.K. Xu** and X.M. Yin. Measure of weak compactness, integral equations and monotone iterative methods. *PanAmerican Mathematical Journal*, 4(1):1–11, 1994.
42. Z.B. Xu Y.L. Jiang and **H.K. Xu**. Convergence theorems for accretive operators in banach spaces. *Communications on Applied Nonlinear Analysis*, 1(1):57–67, 1994.



43. **H.K. Xu**. Epsilon-Chainability and fixed points of set-valued mappings in metric spaces. *Mathematica Japonica*, 39(2):353–356, 1994.
44. M. Su and **H.K. Xu**. Solutions of nonlinear operator equations in Banach spaces with application. *Nonlinear Analysis, Theory, Methods and Applications*, 22:671–677, 1994.
45. K.K. Tan and **H.K. Xu**. Fixed point iteration processes for asymptotically nonexpansive mappings. *Proceedings of the American Mathematical Society*, 122:733–739, 1994.
46. T.C. Lim and **H.K. Xu**. Fixed point theorems for asymptotically nonexpansive mappings. *Nonlinear Analysis: Theory, Methods and Applications*, 22:1345–1355, 1994.
47. S. Reich and **H.K. Xu**. Nonlinear ergodic theory for semigroups of Lipschitzian mappings. *Communications on Applied Nonlinear Analysis*, 1(3):47–60, 1994.
48. K.K. Tan and **H.K. Xu**. Continuous representation of semigroup as nonexpansive mappings on Banach space. *Communications on Applied Nonlinear Analysis*, 1(3):73–78, 1994.
49. **H.K. Xu** and X.M. Yin. Strong convergence theorems for nonexpansive non-self mappings. *Nonlinear Analysis: Theory, Methods and Applications*, 25:223–228, 1995.
50. K.K. Tan P.K. Lin and **H.K. Xu**. Demiclosedness principle and asymptotic behavior for asymptotically nonexpansive mappings. *Nonlinear Analysis: Theory, Methods and Applications*, 24:929–946, 1995.
51. **H.K. Xu** and J.J. Nieto. Solvability of nonlinear Volterra and Fredholm equations in weighted spaces. *Nonlinear Analysis: Theory, Methods and Applications*, 24:1289–1297, 1995.
52. G. Lopez Acedo T. Dominguez Benavides and **H.K. Xu**. Weak uniform normal structure and iterative fixed points of nonexpansive mappings. *Colloquium Mathematicum*, LXVIII:17–23, 1995.
53. G. Lopez Acedo and **H.K. Xu**. Remarks on multivalued nonexpansive mappings. *Soochow Journal of Mathematics*, 21(1):109–117, 1995.
54. K.K. Tan and **H.K. Xu**. Fixed points of semigroups of Lipschitzian mappings defined on nonconvex domains. *Georgia Mathematical Journal*, 2(5):547–558, 1995.
55. T. Dominguez Benavides and **H.K. Xu**. A new geometrical coefficient for Banach spaces and its applications in fixed point theory. *Nonlinear Analysis: Theory, Methods and Applications*, 25:311–325, 1995.
56. T.C. Lim and **H.K. Xu**. Uniformly Lipschitzian mappings in metric spaces with uniform normal structure. *Nonlinear Analysis: Theory, Methods and Applications*, 25:1231–1235, 1995.
57. **H.K. Xu**. Random fixed point theorems for nonlinear uniformly Lipschitzian mappings. *Nonlinear Analysis: Theory, Methods and Applications*, 26:1301–1311, 1996.
58. G. Lopez Acedo T. Dominguez Benavides and **H.K. Xu**. Qualitative and quantitative properties for the space  $l_{p,q}$ . *Houston Journal of Mathematics*, 22:89–100, 1996.
59. G. Lopez Acedo T. Dominguez Benavides and **H.K. Xu**. Random fixed points of set-valued mappings (with). *Proceedings of the American Mathematical Society*, 124(3):831–838, 1996.
60. **H.K. Xu** and E. Liz. Boundary value problems for differential equations with maxima. *Nonlinear Studies*, 3:231–241, 1996.
61. K.K. Tan and **H.K. Xu**. A nonlinear ergodic theorem for almost-orbits of nonlinear contraction semigroups in Banach spaces. *Proceedings of the First World Congress of Nonlinear Analysts*, Walter de Gruyter, Vol. III:3025–3035, 1996.
62. **H.K. Xu**. Geometrical coefficients of Banach spaces and nonlinear mappings. In *Recent advances on metric fixed point theory (Seville, 1995)*, volume 48 of *Ciencias*, pages 161–178. Univ. Sevilla, Seville, 1996.

63. **H.K. Xu** and Z.B. Xu. Strongly unique best simultaneous approximation in uniformly convex Banach spaces. *Soochow Journal of Mathematics*, 23:141–155, 1997. 63.
64. **H.K. Xu** and J.J. Nieto. Extremal solutions of a class of nonlinear integro-differential equations in Banach spaces. *Proceedings of the American Mathematical Society*, 125:2605–2614, 1997.
65. **H.K. Xu**. Approximating curves of nonexpansive nonself mappings in Banach spaces. *C.R. Academie des Sciences, Paris, t. 325, Serie I*, pages 151–156, 1997.
66. **H.K. Xu**. Banach space properties of opial's type and fixed point theorems of nonlinear mappings. *Annales Universitatis Mariae Curie - Sklodowska*, 25(Vol. LI. 2):293–303, 1997.
67. **H.K. Xu** and G. Marino. Uniform property  $(K)$  and related properties. *Bulletin of the Australian Mathematical Society*, 57:93–107, 1998.
68. **H.K. Xu** and T.H. Kim. Some Hilbert space characterizations and Banach space inequalities. *Mathematical Inequalities and Applications*, 1:113–121, 1998.
69. **H.K. Xu**. Approximations to fixed points of contraction semigroups in Hilbert spaces. *Numerical Functional Analysis and Optimization*, 19:157–163, 1998.
70. **H.K. Xu**. Nonlinear discontinuous differential equations. *Communications on Applied Nonlinear Analysis*, 5:69–80, 1998.
71. **H.K. Xu**. Measurability of fixed point sets of multivalued random operators. *Journal of Mathematical Analysis and Applications*, 225:62–72, 1998.
72. **H.K. Xu** B. Sims and X.Z. Yuan. The homotopic invariance for fixed points of set-valued nonexpansive mappings. *Josai Mathematical Monographs*, 1:55–65, 1999.
73. **H.K. Xu** and T.H. Kim. Remarks on asymptotically nonexpansive mappings. *Nonlinear Analysis*, 41:405–415, 2000.
74. **H.K. Xu** and E. Liz. Boundary value problems for functional differential equations. *Nonlinear Analysis*, 41:971–988, 2000.
75. **H.K. Xu** and R.G. Ori. The set-valued Knaster-Tarski theorem in semi-ordered topological spaces with applications. *International Journal of Applied Mathematics*, 2:547–552, 2000.
76. **H.K. Xu**. On the Palais-Smale condition for nondifferentiable functionals. *Taiwanese Journal of Mathematics*, 4:627–634, 2000.
77. **H.K. Xu**. Metric fixed point theory for multivalued mappings. *Dissertationes Mathematicae*, 389, 2000.
78. **H.K. Xu**. Asymptotic behavior of a gradient flow. *Communications on Applied Nonlinear Analysis*, 7(4):11–17, 2000.
79. **H.K. Xu**. Convergence of an iteration process for nonexpansive mappings. *Nonlinear Functional Analysis and Applications*, 5:107–111, 2000.
80. **H.K. Xu**. Strong asymptotic behavior of almost-orbits of asymptotically nonexpansive semigroups. *Nonlinear Analysis*, 46:135–151, 2001.
81. **H.K. Xu**. Multivalued nonexpansive mappings in Banach spaces. *Nonlinear Analysis*, 43:693–706, 2001.
82. **H.K. Xu** and R.G. Ori. An implicit iteration process for nonexpansive mappings. *Numerical Functional Analysis and Optimization*, 22:767–773, 2001.
83. B. Sims and **H.K. Xu**. Locally almost nonexpansive mappings. *Communications on Applied Nonlinear Analysis*, 8(3):81–88, 2001.
84. G. Marino **H.K. Xu** and P. Pietramala. On property  $(M)$  and its generalizations. *Journal of Mathematical Analysis and Applications*, 26:271–281, 2001.

85. P. Pietramala G. Marino and **H.K. Xu**. Geometrical conditions in product spaces. *Nonlinear Analysis*, 46:1063–1071, 2001.
86. **H.K. Xu**. Existence results on iterative functional differential equations. *Communications on Applied Nonlinear Analysis*, 8(4):89–95, 2001.
87. **H.K. Xu**. Some recent results and problems for set-valued mappings. *Advances in Mathematics Research*, 1:31–49, 2002. (Gabriel Oyibo, Ed.), (Nova Science Publishers, New York,).
88. **H.K. Xu**. Another control condition in an iterative method for nonexpansive mappings. *Bulletin of the Australian Mathematical Society*, 65:109–113, 2002.
89. **H.K. Xu**. Existence results for nonconvex evolution inclusions. *Communications on Applied Nonlinear Analysis*, 10(3):91–102, 2002.
90. **H.K. Xu**. Comments on the paper "Weak almost-convergence theorem without Opial's Condition" by B.K. Sharma, et al. *Journal of Mathematical Analysis and Applications*, 269:382–386, 2002.
91. G. Lopez Acedo T. Dominguez Benavides and **H.K. Xu**. Construction of sunny nonexpansive retractions in Banach spaces. *Bulletin of the Australian Mathematical Society*, 66:9–16, 2002.
92. **H.K. Xu**. Existence results for quasilinear elliptic equations with discontinuous nonlinearities. *Applicable Analysis*, 81:179–199, 2002.
93. **H.K. Xu**. Iterative algorithms for nonlinear operators. *Journal of London Mathematical Society*, 66(2):240–256, 2002.
94. C. Li and **H.K. Xu**. On almost well-posed mutually nearest and mutually furthest point problems. *Numerical Functional Analysis and Optimization*, 23(3&4):323–331, 2002.
95. G. Lopez Acedo T. Dominguez Benavides and **H.K. Xu**. Iterative solutions for zeros of accretive operators. *Mathematische Nachrichten*, 248-249:62–71, 2003.
96. **H.K. Xu**. An iterative approach to quadratic optimization. *Journal of Optimization Theory and Applications*, 116(3):659–678, 2003.
97. **H.K. Xu**. Remarks on an iterative method for nonexpansive mappings. *Communications on Applied Nonlinear Analysis*, 10(1):67–75, 2003.
98. S. Reich and **H.K. Xu**. An iterative approach to a constrained least squares problem. *Abstract and Applied Analysis*, (8):503–512, 2003.
99. S. Reich and **H.K. Xu**. On a Banach space property of Trubnikov. *Bulletin of the Australian Mathematical Society*, 67:503–510, 2003.
100. **H.K. Xu** and T.H. Kim. Convergence of hybrid steepest descent methods for variational inequalities. *Journal of Optimization Theory and Applications*, 119(1):184–201, 2003.
101. G. Marino and **H.K. Xu**. Asymptotic centers, inward sets and fixed points. *Communications on Applied Nonlinear Analysis*, 10(3):55–63, 2003.
102. **H.K. Xu**. Iterative methods for constrained Tikhonov regularization. *Communications on Applied Nonlinear Analysis*, 10(4):49–58, 2003.
103. P. Pillay J.G. ODHara and **H.K. Xu**. Iterative approaches to finding nearest common fixed points of nonexpansive mappings in Hilbert spaces. *Nonlinear Analysis*, 54:1417–1426, 2003.
104. C. Li and **H.K. Xu**. Porosity of mutually nearest and mutually furthest points in Banach spaces. *Journal of Approximation Theory*, 125:10–25, 2003.
105. C. Li and **H.K. Xu**. Ambiguous loci of mutually nearest and mutually furthest points in Banach spaces. *Nonlinear Analysis*, 58:367–377, 2004.

106. G. Marino and **H.K. Xu**. Convergence of generalized proximal point algorithms. *Communications in Pure and Applied Analysis*, 3:791–808, 2004.
107. **H.K. Xu**. Relaxed projections, averaged mappings and image recovery. *the Proceedings of the International Conference on Fixed Point Theory and Its Applications, Yokohama Publishers*, pages 275–292, 2004.
108. **H.K. Xu**. Diametrically contractive mappings. *Bulletin of the Australian Mathematical Society*, 70:463–468, 2004.
109. **H.K. Xu**. Viscosity approximation methods for nonexpansive mappings. *Journal of Mathematical Analysis and Applications*, 298:269–291, 2004.
110. **H.K. Xu**. Discrete and continuous-time models of financial derivatives. *Seminar of Mathematical Analysis*, pages 273–316, 2004. (edited by D. Girela Alvarez, G. Lopez Acedo, and R. Villa Caro, Universidad de Sevilla, Secretariado de Publicaciones).
111. P. Pillay J.G. ODHara and **H.K. Xu**. Iterative approaches to convex minimization problems. *Numerical Functional Analysis and Optimization*, 25(5&6):1–16, 2004.
112. T.H. Kim and **H.K. Xu**. Strong convergence of modified mann iterations. *Nonlinear Analysis*, 61:51–60, 2005.
113. **H.K. Xu**. A strong convergence theorem for contraction semigroups in Banach spaces. *Bulletin of the Australian Mathematical Society*, 72:371–379, 2005.
114. **H.K. Xu**. Asymptotic and weakly asymptotic contractions. *Indian Journal of Pure and Applied Mathematics*, 36:145–150, 2005.
115. **H.K. Xu** and I. Yamada. Asymptotic regularity of linear power bounded operators. *Taiwanese Journal of Mathematicis*, 10(2):417–429, 2006.
116. G. Marino and **H.K. Xu**. A general iterative method for nonexpansive mappings in Hilbert spaces. *Journal of Mathematical Analysis and Applications*, 318:43–52, 2006.
117. **H.K. Xu**. Strong convergence of an iterative method for nonexpansive mappings and accretive operators. *Journal of Mathematical Analysis and Applications*, 314:631–643, 2006.
118. T.H. Kim and **H.K. Xu**. Strong convergence of modified Mann iterations for asymptotically nonexpansive mappings and semigroups. *Nonlinear Analysis*, 64:1140–1152, 2006.
119. P. Pillay J.G. ODHara and **H.K. Xu**. Iterative approaches to convex feasibility problems in Banach spaces. *Nonlinear Analysis*, 64:2022–2042, 2006.
120. P. Pietramala G. Marino and **H.K. Xu**. Nonlinear neutral integrodifferential equations on unbounded intervals. *International Mathematical Forum*, 1(9):933–946, 2006.
121. C. Martinez-Yanes and **H.K. Xu**. Strong convergence of the cq method for fixed point iteration processes. *Nonlinear Analysis*, 64:2400–2412, 2006.
122. **H.K. Xu**. A regularization method for the proximal point algorithm. *Journal of Global Optimization*, 36:115–125, 2006.
123. **H.K. Xu**. Strong convergence of approximating fixed point sequences for nonexpansive mappings. *Bulletin of the Australian Mathematical Society*, 74:143–151, 2006.
124. **H.K. Xu**. A variable Krasnoselskii-Mann algorithm and the multiple-set split feasibility problem. *Inverse Problems*, 22:2021–2034, 2006.
125. T.H. Kim and **H.K. Xu**. Robustness of Mann’s algorithm for nonexpansive mappings. *Journal of Mathematical Analysis and Applications*, 327:1105–1115, 2007.

126. G. Marino and **H.K. Xu**. Weak and strong convergence theorems for strict pseudo-contractions in Hilbert spaces. *Journal of Mathematical Analysis and Applications*, 329:336–346, 2007.
127. G. Lopez Acedo and **H.K. Xu**. Iterative methods for strict pseudo-contractions in Hilbert spaces. *Nonlinear Analysis*, 67:2258–2271, 2007.
128. Lu-Chuan Ceng and Hong-Kun Xu. Strong convergence of a hybrid viscosity approximation method with perturbed mappings for nonexpansive and accretive operators. *Taiwanese J. Math.*, 11(3):661–682, 2007.
129. Tae-Hwa Kim and Hong-Kun Xu. Convergence of the modified Mann’s iteration method for asymptotically strict pseudo-contractions. *Nonlinear Anal.*, 68(9):2828–2836, 2008.
130. Vittorio Colao, Giuseppe Marino, and Hong-Kun Xu. An iterative method for finding common solutions of equilibrium and fixed point problems. *J. Math. Anal. Appl.*, 344(1):340–352, 2008.
131. Lu-Chuan Ceng, Hong-Kun Xu, and Jen-Chih Yao. Strong convergence of an iterative method with perturbed mappings for nonexpansive and accretive operators. *Numer. Funct. Anal. Optim.*, 29(3-4):324–345, 2008.
132. Lu-Chuan Ceng, Hong-Kun Xu, and Jen-Chih Yao. A hybrid steepest-descent method for variational inequalities in Hilbert spaces. *Appl. Anal.*, 87(5):575–589, 2008.
133. Lu-Chuan Ceng, Hong-Kun Xu, and Jen-Chih Yao. The viscosity approximation method for asymptotically nonexpansive mappings in Banach spaces. *Nonlinear Anal.*, 69(4):1402–1412, 2008.
134. W. A. Kirk and Hong-Kun Xu. Asymptotic pointwise contractions. *Nonlinear Anal.*, 69(12):4706–4712, 2008.
135. Yisheng Song and Changsen Yang. A note on a paper “A regularization method for the proximal point algorithm” [J. Global Optim. **36** (2006), no. 1, 115–125; 2256886] by H. K. Xu. *J. Global Optim.*, 43(1):171–174, 2009.
136. Hong-Kun Xu. The parameter selection problem for Mann’s fixed point algorithm. *Taiwanese J. Math.*, 12(8):1911–1920, 2008.
137. Genaro Lopez, Victoria Martin, and Hong-Kun Xu. Perturbation techniques for nonexpansive mappings with applications. *Nonlinear Anal. Real World Appl.*, 10(4):2369–2383, 2009.
138. D. R. Sahu, Hong-Kun Xu, and Jen-Chih Yao. Asymptotically strict pseudocontractive mappings in the intermediate sense. *Nonlinear Anal.*, 70(10):3502–3511, 2009.
139. Rudong Chen, Yongfu Su, and Hong-Kun Xu. Regularization and iteration methods for a class of monotone variational inequalities. *Taiwanese J. Math.*, 13(2B):739–752, 2009.
140. Guangsheng Wei and Hong-Kun Xu. On the missing eigenvalue problem for an inverse Sturm-Liouville problem. *J. Math. Pures Appl. (9)*, 91(5):468–475, 2009.
141. Xiwen Lu, Hong-Kun Xu, and Ximing Yin. Hybrid methods for a class of monotone variational inequalities. *Nonlinear Anal.*, 71(3-4):1032–1041, 2009.
142. Filomena Cianciaruso, Vittorio Colao, Luigi Muglia, and Hong-Kun Xu. On an implicit hierarchical fixed point approach to variational inequalities. *Bull. Aust. Math. Soc.*, 80(1):117–124, 2009.
143. Songnian He and Hong-Kun Xu. Variational inequalities governed by boundedly Lipschitzian and strongly monotone operators. *Fixed Point Theory*, 10(2):245–258, 2009.
144. Yongfu Su, Ziming Wang, and Hongkun Xu. Strong convergence theorems for a common fixed point of two hemi-relatively nonexpansive mappings. *Nonlinear Anal.*, 71(11):5616–5628, 2009.
145. Hong-Kun Xu. Viscosity method for hierarchical fixed point approach to variational inequalities. *Taiwanese J. Math.*, 14(2):463–478, 2010.

146. Xiubin Xu and **Xu, Hong-Kun**. Regularization and iterative methods for monotone variational inequalities. *Fixed Point Theory Appl.*, pages Art. ID 765206, 11, 2010.
147. Xiwen Lu, Hong-Kun Xu, and Ximing Yin. On two iterative methods for mixed monotone variational inequalities. *Fixed Point Theory Appl.*, pages Art. ID 291851, 10, 2010.
148. Yonghong Yao, Rudong Chen, and Hong-Kun Xu. Schemes for finding minimum-norm solutions of variational inequalities. *Nonlinear Anal.*, 72(7-8):3447–3456, 2010.
149. Jin-Hua Wang, Chong Li, and Hong-Kun Xu. Subdifferentials of perturbed distance functions in Banach spaces. *J. Global Optim.*, 46(4):489–501, 2010.
150. Fenghui Wang and Hong-Kun Xu. Approximating curve and strong convergence of the  $CQ$  algorithm for the split feasibility problem. *J. Inequal. Appl.*, pages Art. ID 102085, 13, 2010.
151. G. Lopez, V. Martin, and **H.K. Xu**. Iterative algorithms for the multiple-sets split feasibility problem. In Y. Censor, M. Jiang, and G. Wang, editors, *Biomedical Mathematics: Promising Directions in Imaging, Therapy Planning and Inverse Problems.*, pages 243–279. Medical Physics Publishing, Madison, Wisconsin, USA, 2009.
152. **H.K. Xu**. An alternative regularization method for nonexpansive mappings with applications. in “Nonlinear Analysis and Optimization I: Nonlinear Analysis”, *Contemporary Mathematics*, 513:239–263, 2010.
153. G. Lopez, V. Martin, and **H.K. Xu**. Halpern’s iteration for nonexpansive mappings. in “Nonlinear Analysis and Optimization I: Nonlinear Analysis”, *Contemporary Mathematics*, 513:211–230, 2010.
154. G.S. Wei and **H.K. Xu**. Left-definite spaces of singular Sturm-Liouville problems. Accepted for *publication in Mathematische Nachrichten*, 513.
155. Y. Yao and **H.K. Xu**. Iterative methods for finding minimum-norm fixed points of nonexpansive mappings with applications. Accepted by *Optimization*, 513.
156. J. Liu, Y.L. Jiang, and **H.K. Xu**. Embedded waveform relaxation methods for parabolic partial functional differential equations. Accepted by *Taiwanese Journal of Mathematics*.
157. G.S. Wei and **H.K. Xu**. Inverse spectral problem for string equation with partial information. Accepted by *Inverse Problems*.
158. G.S. Wei and **H.K. Xu**. Left-definite problems of regular self-adjoint differential equations of even order. Accepted by *Mathematische Nachrichten*.
159. F. Wang and **H.K. Xu**. Strongly convergent iterative algorithms for solving a class of variational inequalities. Accepted by *Journal of Convex and Nonlinear Analysis*.
160. J. Jia, J. Wu, and **H.K. Xu**. Positive solutions for a predator-prey interaction model with holling-type functional response and diffusion. Accepted by *Taiwanese Journal of Mathematics*.
161. G. Marino and **H.K. Xu**. Explicit hierarchical fixed point approach to variational inequalities. *Preprint*.
162. F. Cianciaruso, G. Marino, L. Muglia, and **H.K. Xu**. Notes on graph convergence for maximal monotone operators. *Preprint*.
163. G.S. Wei and **H.K. Xu**. Inverse spectral problem for string equation with partial information on the potential and norming constants. *Preprint*.
164. **H.K. Xu**. A strongly convergent modification of Rockafellar’s proximal point algorithm in nonsmooth Banach spaces. *Preprint; submitted*.
165. F. Wang and **H.K. Xu**. A cyclic algorithm for the split common fixed point problem in hilbert spaces. *Preprint*.
166. **H.K. Xu**. An averaged mapping approach to the gradient-projection algorithm. *Preprint*.

167. **H.K. Xu.** The valuation of powered options. *Preprint*.
168. **H.K. Xu.** Approximate pricing formulae for forward-starting asian options. *Preprint*.

**陳美如教授 (May-Ru Chen) (96年6月畢業，97年8月到校)**

**(A) 期刊論文**

1. **May-Ru Chen** and Ching-Zong Wei. A new urn model. *J. Appl. Probab.*, 42:964–976, 2005. [SCI](2005 Impact Factor: 0.581).
2. **May-Ru Chen** and Shoou-Ren Hsiau. Two-person red-and-black games with bet-dependent win probability functions. *J. Appl. Probab.*, 43:905–915, 2006. [SCI](2006 Impact Factor: 0.504).
3. Yi-Ching Yao and **May-Ru Chen**. Strong optimality of bold play for discounted dubins-savage gambling problems with time-dependent parameters. *J. Appl. Probab.*, 45:403–416, 2008. [SCI](2008 Impact Factor: 0.739).
4. **May-Ru Chen**, Pei-Shou Chung, Shoou-Ren Hsiau, and Yi-Ching Yao. On nonoptimality of bold play for subfair red-and-black with a rational-valued house limit. *J. Appl. Probab.*, 45:1024–1038, 2008. [SCI](2008 Impact Factor: 0.739).
5. **May-Ru Chen**. Proportional three-person red-and-black games. *Probability in the Engineering and Informational Sciences*, 23:37–50, 2009. [SCI](2009 Impact Factor: 0.500).
6. **May-Ru Chen** and Shoou-Ren Hsiau. Two new models for the two-person red-and-black game. *Probability in the Engineering and Informational Sciences*, 47(1):97–108, 2010. [SCI](2009 Impact Factor: 0.739).
7. **May-Ru Chen**. Two-person red-and-black game with lower limit. Accepted by *Probability in the Engineering and Informational Sciences*, 2011. [SCI](2009 Impact Factor: 0.500).

**(B) 專書及其他著作**

1. **May-Ru Chen**. *Red-and-Black Games with Bet-Dependent Win Probability*. Ph. D. thesis, National Changhua University of Education, Taiwan, 2007.

**黎景輝教授 (King-Fai Lai) (83年8月畢業，98年8月到校)**

**(A) 期刊論文**

1. **King Fai Lai**. On the Tamagawa number of quasi-split groups. *Bull. Amer. Math. Soc.*, 82(2):300–302, 1976.
2. **King Fai Lai** and B. Wong. Two moduli problems and some of their connections with differential geometry. *Southeast Asian Bull. Math.*, 3(2):175–192, 1979.
3. **King Fai Lai**. Ringed space. *Univ Amoiensis Acta Scien. Naturalium*, 18(3):27–38, 1979.
4. **King Fai Lai**. Algebraic varieties. *Univ Amoiensis Acta Scien. Naturalium*, 18(4):27–28, 1979.
5. **King Fai Lai**. Conjugation of canonical models. *Proc. SEAMS Conf.*, pages 24–25, 1980.
6. **King Fai Lai**. On a conjecture on elliptic curve. *App. Math & Comp. Math.*, 1:13–27, 1980.
7. **King Fai Lai**. Linear algebraic groups. *Acta Scien. Natur. Univ. Sunyatseni*, 60:94–110, 1980.

8. **King Fai Lai**. Compactification of homogeneous space. *Acta Hangzhou Normal college*, pages 32–35, 1980.
9. **King Fai Lai**. Tamagawa number of reductive algebraic groups. *Compositio Math.*, 41(2):153–188, 1980.
10. **King Fai Lai**. Hilbert’s twelfth problem - the reciprocity law and Langlands’ conjecture. *Acta Scien. Natur. Univ. Sunyatseni*, 65:104–114, 1981.
11. **King Fai Lai**. Orders of finite algebraic groups. *Pacific J. Math.*, 97(2):425–435, 1981.
12. **King Fai Lai**. On the cohomology of congruence subgroups of symplectic groups. *Nagoya Math. J.*, 85:155–174, 1982.
13. Hervé Jacquet and **King Fai Lai**. Sur une formule des traces relative. *C. R. Acad. Sci. Paris Sér. I Math.*, 296(23):959–963, 1983.
14. W. L. Chan and **King Fai Lai**. Dual optimal distributed systems with nonnegative controls. *J. Math. Anal. Appl.*, 104(1):143–154, 1984.
15. **King Fai Lai**. Functional equation of Dirichlet series. *Advances in Math. (Peking)*, 14:263–266, 1985.
16. H. Jacquet and **King Fai Lai**. A relative trace formula. *Compositio Math.*, 54(2):243–310, 1985.
17. **King Fai Lai**. Algebraic cycles on compact Shimura surface. *Math. Z.*, 189(4):593–602, 1985.
18. **King Fai Lai** and Ngaiming Mok. On a vanishing theorem on irreducible quotients of finite volume of polydiscs. In *Séminaire d’analyse P. Lelong-P. Dolbeault-H. Skoda, années 1983/1984*, volume 1198 of *Lecture Notes in Math.*, pages 163–171. Springer, Berlin, 1986.
19. **King Fai Lai**. On the relative trace formula. In *Number theory and its applications in China*, volume 77 of *Contemp. Math.*, pages 159–161. Amer. Math. Soc., Providence, RI, 1988.
20. **King Fai Lai**. Lefschetz numbers and unitary groups. *Bull. Austral. Math. Soc.*, 43(2):193–209, 1991.
21. **King Fai Lai**. Orbital integrals on symmetric spaces. *C. R. Acad. Sci. Paris Sér. I Math.*, 312(12):913–917, 1991.
22. **King Fai Lai**. On Arthur’s class expansion of the relative trace formula. *Duke Math. J.*, 64(1):111–117, 1991.
23. **King Fai Lai**. Regular elliptic classes and the stable relative trace formula. *Canad. Math. Bull.*, 35(2):230–236, 1992.
24. **King Fai Lai**. An introduction to Arthur’s invariant trace formula. In *Algebraic geometry and algebraic number theory (Tianjin, 1989–1990)*, volume 3 of *Nankai Ser. Pure Appl. Math. Theoret. Phys.*, pages 35–63. World Sci. Publ., River Edge, NJ, 1992.
25. Hervé Jacquet, **King Fai Lai**, and Stephen Rallis. A trace formula for symmetric spaces. *Duke Math. J.*, 70(2):305–372, 1993.
26. Wai K. Chan, **King Fai Lai**, and R. Castillo. Riemannian foliation in  $N = 1$ ,  $D = 11$  supergravity. *Nuovo Cimento B (11)*, 108(7):739–752, 1993.
27. **King Fai Lai** and Ronnie Lee. Finite group actions on Siegel modular spaces. *Trans. A.M.S.*, 345:37–45, 1994.
28. Minking Eie and **King Fai Lai**. On Bernoulli identities and applications. *Rev. Mat. Iberoamericana*, 14(1):167–213, 1998.
29. Paul Gérardin and **King Fai Lai**. Opérateurs invariants sur les immeubles affines de type A. *C. R. Acad. Sci. Paris Sér. I Math.*, 329(1):1–4, 1999.
30. **King Fai Lai** and S. V. Vostokov. Explicit pairing and class field theory of multidimensional complete fields. *Algebra i Analiz*, 11(4):95–114, 1999.



31. **King Fai Lai**, W. K. Chang, and K. Simpson. Analysis of software regression test. *Software Engineering and Applications, Conference Proceedings, Scottsdale*, pages 295–301, 1999.
32. Wai Kin Chan, Reynaldo Castillo, and **King Fai Lai**. Foliations in supergravity. *J. Austral. Math. Soc. Ser. B*, 41(2):161–166, 1999. Inaugural Australian General Relativity Workshop (Canberra, 1994).
33. M. Bondarko, **King Fai Lai**, and S. V. Vostokov. Galois structure for abelian  $p$ -extensions of Dedekind domains. *J. Reine Angew. Math.*, 517:51–59, 1999.
34. P. Gérardin and **King Fai Lai**. Asymptotic behaviour of eigenfunctions on semi-homogeneous tree. *Pacific J. Math.*, 196(2):415–427, 2000.
35. Paul Gérardin and **King Fai Lai**. Asymptotic behavior of eigenfunctions for the Hecke algebra on homogeneous trees. In *Special functions (Hong Kong, 1999)*, pages 114–117. World Sci. Publ., River Edge, NJ, 2000.
36. **King Fai Lai** and H. Voskuil.  $p$ -adic automorphic functions for the unitary group in three variables. *Algebra Colloq.*, 7(3):335–360, 2000.
37. **King Fai Lai** and Kit Ming Yeung. Rational points in flag varieties over function fields. *J. Number Theory*, 95(2):142–149, 2002.
38. **King Fai Lai** and Kam Ping Mok. On the differential geometry of the  $(1, 1)$  tensor bundle. *Tensor (N.S.)*, 63(1):15–27, 2002.
39. **King Fai Lai** and R. B. Zhang. Multiplicity free actions of quantum groups and generalized Howe duality. *Lett. Math. Phys.*, 64(3):255–272, 2003.
40. **King Fai Lai**, W. K. Chang, and K. Simpson.  $C_2$  buildings and projective spaces. *Journal Australian Math Society*, 76:1–20, 2004.
41. **King Fai Lai**.  $C_2$  building and projective space. *J. Aust. Math. Soc.*, 76(3):383–402, 2004.
42. W.-C. Chi, **King Fai Lai**, and K.-S. Tan. Integral points on elliptic curves over function fields. *J. Aust. Math. Soc.*, 77(2):197–208, 2004.
43. Mark Kisin and **King Fai Lai**. Overconvergent Hilbert modular forms. *Amer. J. Math.*, 127(4):735–783, 2005.
44. **King Fai Lai** and Chun Lai Zhao. Overconvergent  $p$ -adic Siegel modular forms. In *Algebra and number theory*, pages 250–257. Hindustan Book Agency, Delhi, 2005.
45. Wen-Chen Chi, **King Fai Lai**, and Ki-Seng Tan. Integer points on elliptic curves. *Pacific J. Math.*, 222(2):237–252, 2005.
46. **King Fai Lai** and S. V. Vostokov. The Kneser relation and the Hilbert pairing in multidimensional local field. *Math. Nachr.*, 280(16):1780–1797, 2007.
47. Ka-Lam Kueh, **King Fai Lai**, and Ki-Seng Tan. Stickelberger elements for  $\mathbb{Z}_p^d$ -extensions of function fields. *J. Number Theory*, 128(10):2776–2783, 2008.
48. David Burns, **King Fai Lai**, and Ki-Seng Tan. On geometric main conjectures. Accepted by *Inventiones Math.*, 2010.

**李宗鏡教授 (Tsung-Lin Lee) (96年8月畢業，99年8月到校)**

#### (A) 期刊論文

1. **Tsung-Lin Lee**, T. Y. Li, and C. H. Tsai. HOM4PS-2.0, A software package for solving polynomial systems by the polyhedral homotopy continuation method. *Computing*, 83:109–133, 2008. [SCI](2009 Impact Factor: 1.033).

2. **Tsung-Lin Lee**, T. Y. Li, and Z. Zeng. A rank-revealing method with updating, downdating and applications, Part II. *SIAM J. Matrix Anal. Appl.*, 31(2):503–525, 2009. [SCI](2009 Impact Factor: 2.411).
3. **Tsung-Lin Lee** and M. Santoprete. Central configurations of the five-body problem with equal masses. *Cel. Mech. Dyn. Astr.*, 104:369–381, 2009. [SCI](2009 Impact Factor: 1.811).

## (B) 專書及其他著作

1. **Tsung-Lin Lee**. A rank-revealing method for low rank matrices. Saarbrücken, Germany, 2009. VDM Verlag.

## 【約聘教師】

李子才教授 (Zi-Cai Li, T. T. Li) (75年6月畢業，82年8月到校)

## (A) 期刊論文

1. K. C. Chou, Z. K. Gu, and **T. T. Li**. The quantitative relation between diffusion-controlled reaction rate and characteristic parameter in enzyme-substrate reaction systems, II. charged substrates. *Scientia Sinica*, 18:336–345, 1975. [SCI].
2. **Zi-Cai Li** and K. C. Chou. The quantitative relation between diffusion-controlled reaction rate and characteristic parameters in enzyme-substrate reaction systems, I. neutral substrates. *Scientia Sinica*, 20:117–136, 1976. [SCI].
3. **T. T. Li** and K. C. Chou. Studies in the combination rates of liquid phase fast reaction system. *Scientia Sinica*, 20:197–220, 1977. [SCI].
4. **T. T. Li**, L. J. Zhan, and H. L. Wang. On difference methods of unsteady flow in branch channels. *Applied Mathematical Sinica*, 1(1):1–17, 1977.
5. **T. T. Li** and L. J. Zhan. Calculation of channel flow with small tributaries. *Applied Mathematical Sinica*, 1(4):1–10, 1977.
6. **T. T. Li** and S. P. Jiang. The concentration figure of substrate in enzyme-substrate reaction system. *Science Bulletin*, 23(4), 1978.
7. **T. T. Li**. The calculation of combination reaction rates in enzyme-substrate reaction system. *Science Bulletin*, 24:324–328, 1979.
8. **T. T. Li** and K. C. Chou. The flow of substrate molecules in fast enzyme-catalysed reaction system. *Chemica Scripta*, 16:192–196, 1980. [SCI].
9. **T. T. Li**. The calculation of temperature distribution in vaporizing-cooling-anodes. *Application of Computer*, 1:130–135, 1980.
10. K. C. Chou, **T. T. Li**, and S. Foren. The critical spherical shell in enzymatic fast reaction systems. *Biophysical Chemistry*, 12:265–269, 1980. [SCI].
11. **T. T. Li**. The conservative difference scheme of a sort of nonlinear heat conduction equation. *J. of Numer. Comp. and Computer Appl.*, 1:73–83, 1980.
12. **T. T. Li**. The combined method between original energy method and finite element method for laplace's boundary value problems with singularities. *Math. Numer. Sinica*, 2:319–328, 1980.
13. **T. T. Li** and G. P. Liang. On the combined methods of the boundary value problems of elliptic equations. *Math. Numer. Sinica*, 2:192–194, 1980.

14. **T. T. Li**, Z. W. Shi, G. Q. Zhou, and K. C. Chou. A semianalytic method for computing the concentration distribution in enzyme-substrate fast reaction systems. *Journal of Computational Chemistry*, 2:273–277, 1981. [SCI].
15. **Zi-Cai Li** and G. P. Liang. On Ritz-Galerkin-F.E.M. combined method of solving the boundary value problem of elliptic equations. *Scientia Sinica*, 24:1497–1508, 1981. [SCI].
16. G. P. Zhou, **T. T. Li**, and K. C. Chou. The flexibility during the juxtaposition of reaction groups and the upper limits of enzyme reactions. *Biophysical Chemistry*, 14:277–281, 1981. [SCI].
17. C. Y. Tsao and **Zi-Cai Li**. Energy element and its application in the dynamic calculation of continuous medium. *Applied Mathematics and Mechanics*, 2:581–587, 1981.
18. K. C. Chou, **T. T. Li**, and G. Q. Zhou. A semi-analytical expression for the concentration distribution of substrate molecules in fast enzyme-catalysed reaction systems. *Biochemica et Biophysica Acta*, 657:625–628, 1981. [SCI].
19. **T. T. Li**, Z. Y. Cao, and C. S. Yu. Stress calculation of elasto-dynamics. *Mechanical Sinica*, 1:625–628, 1981.
20. **Zi-Cai Li** and E. Dai. Numerical methods for calculating pressure distribution in gas bearing. *Computer Methods in Mechanics and Engineering*, 31:179–187, 1982. [SCI].
21. **Zi-Cai Li**. On the reduced rate of convergence for a nonconforming combined method. *SIAM J. Numer. Anal.*, 20:86–93, 1983. [SCI].
22. **Zi-Cai Li**. An approach for combining the Ritz-Galerkin and finite element methods. *J. App. Th.*, 39:132–152, 1983. [SCI].
23. **Zi-Cai Li** and G. P. Liang. On the simplified hybrid-combined method. *Math. Comp.*, 41:13–25, 1983. [SCI].
24. **Zi-Cai Li**, L. C. Chan, and H. I. Wang. Difference methods of flow in branch-channel. *Journal of Hydraulic Divisions-ASCE*, 109:424–446, 1983. [SCI].
25. **Zi-Cai Li**, Z. Y. Cao, and C. Y. Yu. A new method of stress calculation in elastic kinetic problems. *Computer Methods in Applied Mechanics and Engineering*, 36:61–69, 1983. [SCI].
26. **Zi-Cai Li**. A nonconforming combined method for solving Laplace's Boundary value problems with singularities. *Numer. Math.*, 49:475–497, 1986. [SCI].
27. **Zi-Cai Li**, R. Mathon, and P. Sermer. Boundary methods for solving elliptic problem with singularities and interfaces. *SIAM J. Numer. Anal.*, 24:487–498, 1987. [SCI].
28. **Zi-Cai Li**. Numerical methods for elliptic boundary value problems with singularities. *Applied Mathematics Notes*, 12(1 and 2):14–22, 1987.
29. T. D. Bui and **Zi-Cai Li**. Penalty combined method for computer-aided-design. *CAD*, 20:234–238, 1988. [SCI].
30. **Zi-Cai Li** and T. D. Bui. Generalized hybrid-combined methods for singularity problems of homogeneous elliptic equations. *Int. J. Numer. Methods Engrg.*, 26:785–803, 1988. [SCI].
31. **Zi-Cai Li** and T. D. Bui. A new kind of combinations of the Ritz-Galerkin and finite element methods. *Computing*, 40:29–50, 1988. [SCI].
32. **Zi-Cai Li** and T. D. Bui. Six combinations of the Ritz-Galerkin and finite element methods for elliptic boundary value problems. *Numer. Meth. for PDE.*, 4:197–218, 1988.
33. **Zi-Cai Li**. A note on Kellogg's eigenfunctions of periodic Sturm-Liouville system. *Applied Mathematics Letters*, 1:123–126, 1988.

34. **Zi-Cai Li**. A nonconforming combination for solving elliptic problems with interfaces. *J. Comp. Physics*, 80(2):288–313, 1989. [SCI].
35. **Zi-Cai Li**. A combined method for solving elliptic problems on unbounded domains. *Computer Methods in Applied Mechanics and Engineering*, 73:191–208, 1989. [SCI].
36. **Zi-Cai Li**. An approach combining the Ritz-Galerkin and finite difference methods. *Numer. Meth. for PDE*, 5:279–295, 1989.
37. **Zi-Cai Li**. Discrete techniques for computer transformations of digital images and patterns. *Pattern Recognition*, 23(11):1249–1273, 1990. [SCI].
38. **Zi-Cai Li** and R. Mathon. Error and stability analysis of boundary methods for elliptic problems with interfaces. *Math. Comp.*, 54:41–61, 1990. [SCI].
39. **Zi-Cai Li** and R. Mathon. Boundary approximation methods for solving elliptic problems on unbounded domains. *J. Comp. Phy.*, 89(2):414–431, 1990. [SCI].
40. **Zi-Cai Li** and T. D. Bui. The simplified hybrid-combined methods for Laplace equation with singularities. *Journal of Computational and Applied Mathematics*, 29:171–193, 1990.
41. **Zi-Cai Li** and T. D. Bui. Coupling strategy for matching different methods in solving singularity problems. *Computing*, 45:311–319, 1990. [SCI].
42. **Zi-Cai Li**, T. D. Bui, C. Y. Suen, and Y. Y. Tang. Splitting-shooting methods for nonlinear transformations of digitized patterns. *IEEE Pattern Anal. Machine Intell*, 12(7):671–682, 1990. [SCI].
43. **Zi-Cai Li**, Y. Y. Tang, T. D. Bui, and C. Y. Suen. Shape transformation models and their applications in pattern recognition. *Int. J. Pattern Recognition and Artificial Intell*, 4(1):65–94, 1990.
44. **Zi-Cai Li**, Q. L. Gu, C. Y. Suen, and T. D. Bui. A comparative study of nonlinear shape models for digital processing and pattern recognition. *IEEE, Trans. on System, Man and Cybernetics*, 20(4):858–871, 1990. [SCI].
45. **Zi-Cai Li**. On nonconforming combinations of various finite element methods for solving elliptic boundary value problems. *SIAM J. Numer. Anal.*, 28:446–475, 1991. [SCI].
46. Q. L. Gu, C. Y. Suen, T. D. Bui, and **Zi-Cai Li**. Font generation and shaper design of character by mathematical models. *Computer Processing of Chinese and Oriental Languages*, 5:347–360, 1991.
47. **Zi-Cai Li**. Penalty-combined approaches of the Ritz-Galerkin and finite methods for singularity problems of elliptic equations. *Numerical Methods for PDE*, 8:33–57, 1992.
48. **Zi-Cai Li**. Optimal convergence rates for combined methods of different finite element methods. *Numerical Methods for PDE*, 8:203–220, 1992.
49. **Zi-Cai Li**, C. Y. Suen, T. D. Bui, T. D. Tang, and Q. L. Gu. Splitting-integratin methods for nonlinear images by inverse transformations. *IEEE, Trans. Pattern Anal. Machine Intell*, 14:678–686, 1992. [SCI].
50. **Zi-Cai Li**, C. Y. Suen, T. D. Bui, and Q. L. Gu. Harmonic models of shape transformations in digital images and patterns. *CVGIP Graphical Models and Image processing*, 54:198–209, 1992. [SCI].
51. **Zi-Cai Li** and T. D. Bui. Penalty-combined methods and their applications in solving elliptic problems with singularities. *Computer Methods in Applied Mechanics and Engineering*, 97:291–316, 1992. [SCI].
52. **Zi-Cai Li** and T. D. Bui. Coupling techniques in boundary-combined methods for solving elliptic problems with singularities. *Engineering Analysis with Boundary Elements*, 10:75–85, 1992.
53. **Zi-Cai Li**. The schwarz alternating method for singularity problems. *SIAM J. Sci. Computing*, 15:1064–1082, 1994. [SCI, NSYSU].
54. **Zi-Cai Li**, C. Y. Suen, and J. Guo. Hierarchical models for analysis and recognition of handwritten characters. *Annals of Mathematics and Artificial Intelligence, special issue*, 10:149–174, 1994. [NSYSU].

55. C. Y. Suen, J. Guo, and **Zi-Cai Li**. Analysis and recognition of handprinted characters by parts. *IEEE Trans. on Sys. Man and Cybern.*, 24:614–630, 1994. [SCI, NSYSU].
56. **Zi-Cai Li**. Advanced splitting-integration methods with high convergence rates for restoring images and patterns. *J. of Scientific Computing*, 9(2):149–172, 1994. [NSYSU].
57. **Zi-Cai Li**, C. Y. Suen, and J. Guo. A regional decomposition method for recognizing handprinted characters. *IEEE Trans. on Sys. Man and Cybern.*, 25(6):998–1010, 1995. [SCI, NSYSU].
58. **Zi-Cai Li**. Splitting-integrating method for inverse transformation of n dimensional digital images and patterns. *Numerical Algorithms*, 9:181–198, 1995. [NSYSU].
59. **Zi-Cai Li**. Combinations of the Ritz-Galerkin and finite difference methods. *Int. J. Numer. Methods Engrg.*, 39:1839–1857, 1996. [SCI, NSYSU].
60. **Zi-Cai Li**. Splitting-integrating methods for image transformations  $T$  and  $T^{-1}T$ . *Computer and Mathematics with Application*, 32:39–60, 1996. [SCI, NSYSU].
61. **Zi-Cai Li**. Paralled penalty combinations for singularity problems. *Engineering Analysis with Boundary Elements*, 18:119–130, 1996. [SCIE,NSYSU].
62. **Zi-Cai Li**. Analysis of discrete techniques for image transformation. *Numerical Algorithms*, 13(3-4):225–263, 1996. [SCIE,NSYSU].
63. **Zi-Cai Li**. Boundary approximation methods for the helmholtz equation with degeneracy. *Zeitschrift fur Angewandte Mathematik und Mechanik*, 76:453–454, 1996. [SCIE,NSYSU].
64. **Zi-Cai Li**, T. T. Lu, D. J. Guan, and C. B. Yang. Boundary approximation methods for solving eigenvalue problems with interfaces. *Zeitschrift fur Angewandte Mathematik und Mechanik*, 76:455–456, 1996. [SCIE,NSYSU].
65. **Zi-Cai Li**. Penalty combinations of the Ritz-Galerkin and finite difference methods for singularity problems. *J. of Comp. and Appl. Math.*, 81:1–17, 1997. [SCIE,NSYSU].
66. **Zi-Cai Li**. New discrete techniques for 3D image transformation. *Computers & Mathematics with Applications*, 36(4):77–109, 1998. [SCI, NSYSU](1998 Impact Factor: 0.300).
67. **Zi-Cai Li** and Z. D. Bai. Probabilistic analysis on the splitting-shooting method for image transformations. *J. of Computational and Applied Mathematics*, 94(2):69–121, 1998. [SCIE,NSYSU](1998 Impact Factor: 0.433).
68. **Zi-Cai Li**. Discrete technique for 3-D digit images and patterns under transformation. *IEEE Trans. on Sys. Man. and Cybernetics*, 28(6):883–894, 1998. [SCI, NSYSU](1998 Impact Factor: 0.866).
69. **Zi-Cai Li**. Boundary penalty finite element methods for blending surfaces, I. Basic theory. *Journal of Computational Mathematics*, 16(5):457–480, 1998. [SCIE,NSYSU](1998 Impact Factor: 0.201).
70. T. D. Bui, **Zi-Cai Li**, and H. V. Nguyen. Numerical simulation of liquid redistribution in permeable media involving hysteresis. *Mathematical and Computer Modelling*, 28(12):81–103, 1998. [SCIE,NSYSU](1998 Impact Factor: 0.251).
71. **Zi-Cai Li**. Lagrange multipliers and other coupling techniques for combined methods for elliptic equations. *Inter. J. Information*, 1(2):5–21, 1998. [NSYSU].
72. **Zi-Cai Li**, C. S. Chang, and T. D. Bui. Exact numerical methods and their applications to blending curves. In D. Trigiante, editor, *Recent Treads in Numerical analysis*, pages 193–212. Nova Science Publishes, Inc., Hungtington, New York, 2000. [NSYSU].
73. **Zi-Cai Li** and N. N. Yan. Global superconvergence for blending surfaces by boundary penalty plus hybrid FEMs. In X. S. Gao and D. Wang, editors, *Computer Mathematics*, volume 8 of *Lecture Notes on Computing*, pages 192–201. World Scientific, Singapore, 2000. [NSYSU].

74. D. J. Guan, **Zi-Cai Li**, Y. L. Chen, and J. H. Chuang. Wire-frame method for blending surface design. *Proc. Nat. Sci. Counc. ROC(A)*, 23(1):20–30, 1999. [NSYSU].
75. **Zi-Cai Li** and S. Wong. The finite volume method and application in combinations. *J. Computational and Applied Mathematics*, 106(1):21–53, 1999. [SCIE,NSYSU](1999 Impact Factor: 0.370).
76. **Zi-Cai Li**. Advanced combinations of splitting-shooting-intergrating methods for digital image transformation. *J. Computational and Applied Mathematics*, 107:147–177, 1999. [SCIE,NSYSU](1999 Impact Factor: 0.370).
77. **Zi-Cai Li**, Q. Lin, and N. N. Yan. Global superconvergence in combinations of Ritz-Galerkin and FEM for singularit problems. *J. Computational and Applied Mathematics*, 106:325–344, 1999. [SCIE,NSYSU](1999 Impact Factor: 0.370).
78. **Zi-Cai Li**. Boundary penalty finite element methods for blending surfaces, II Biharmonic Equations. *J. Computational and Applied Mathematics*, 110:155–176, 1999. [SCIE,NSYSU](1999 Impact Factor: 0.370).
79. **Zi-Cai Li** and C. S. Chang. Boundary penalty finite element methods for bleding surfaces, III. Superconvergence and stability and examples. *J. Computational and Applied Mathematics*, 110:241–270, 1999. [SCIE,NSYSU](1999 Impact Factor: 0.370).
80. **Zi-Cai Li**. Combined different methods for elliptic boundary value problems, Part I Elliptic problems and different methods. *Inter. J. Information*, 1(2):5–21, 1999. [NSYSU].
81. **Zi-Cai Li**. Combined different methods for elliptic boundary value problems, Part II Different methods and combined methods. *Inter. J. Information*, 3(1):7–41, 2000. [NSYSU].
82. **Zi-Cai Li**. Blending curves for landing problems by numerical differential equations, I. Mathematical modelling. *Mathematical and Computer Modelling*, 31(2-3):161–177, 2000. [SCIE,NSYSU](2000 Impact Factor: 0.387).
83. **Zi-Cai Li** and H. T. Huang. Blending curves for landing problems by numerical differential equations, II. Numerical methods. *Inter. J. Computers & Mathematics with Application*, 39:165–187, 2000. [SCI, NSYSU](2000 Impact Factor: 0.339).
84. **Zi-Cai Li** and C. Y. Suen. The partition-combination method for recognition of handwritten characters. *Pattern Recognition Letters*, 21:701–720, 2000. [SCIE,NSYSU](2000 Impact Factor: 0.409).
85. **Zi-Cai Li** and C. Y. Suen. Crucial combinations of recognition of handwritten letters. *Pattern Recognition Letters*, 21:873–898, 2000. [SCIE,NSYSU](2000 Impact Factor: 0.409).
86. **Zi-Cai Li** and C. Y. Suen. Crucial combinations of parts for handwritten Alphanumeric characters. *Mathematical and Computer Modelling*, 31:193–229, 2000. [SCIE,NSYSU](2000 Impact Factor: 0.387).
87. **Zi-Cai Li** and T. T. Lu. Singularities and treatments of elliptic boundary value problems. *Mathematical and Computer Modelling*, 31(8-9):97–145, 2000. [SCIE,NSYSU](2000 Impact Factor: 0.387).
88. **Zi-Cai Li**. Global superconvergence of simplified combinations for elliptic equations with singularities, I. Basic theory. *Computing*, 65:27–44, 2000. [SCI, NSYSU](2000 Impact Factor: 0.551).
89. **Zi-Cai Li**. High convergence rates of digital image transformation by numerical integration using spline functions. *Inter. J. Computers & Mathematics with Application*, 41:229–255, 2001. [SCI, NSYSU](2001 Impact Factor: 0.383).
90. **Zi-Cai Li** and C. Y. Suen. Superconvergence of coupling techniques in combined methods for elliptic equations wiht singularities. *Inter. J. Computers & Mathematics with Application*, 41:379–398, 2001. [SCI, NSYSU](2001 Impact Factor: 0.383).
91. **Zi-Cai Li** and N. N. Yan. Global superconvergence for blending surfaces by boundary penalty plus hybrid FEMs for biharmonic equations. *Applied Numerical Mathematics*, 39:61–85, 2001. [SCI,NSYSU](2001 Impact Factor: 0.646).

92. **Zi-Cai Li** and N. N. Yan. New error estimates of bi-cubic Hermite finite element method for biharmonic equations. *J. Computational and Applied Mathematics*, 142(2):251–285, 2002. [SCIE,NSYSU](2002 Impact Factor: 0.564).
93. **Zi-Cai Li** and T. T. Lu. Global superconvergence of finite element methods for biharmonic equations and blending surfaces. *Inter. J. Computers & Mathematics with Application*, 44(3-4):413–437, 2002. [SCI,NSYSU](2002 Impact Factor: 0.413).
94. S. Wang and **Zi-Cai Li**. An analysis of a conforming exponentially fitted triangular finite element method for singularly perturbed convection diffusion equation. *J. Computational and Applied Mathematics*, 143(2):291–310, 2002. [SCIE,NSYSU](2002 Impact Factor: 0.564).
95. **Zi-Cai Li** and H. T. Huang. Global superconvergence of simplified hybrid combinations of the Ritz-Galerkin and FEMs for elliptic equations with singularities II. Lagrange elements and Adini’s elements. *Applied Numerical Mathematics*, 43(3):253–273, 2002. [SCI,NSYSU](2002 Impact Factor: 0.504).
96. **Zi-Cai Li**, H. J. Li, C. Y. Suen, H. Q. Wang, and S. Y. Liao. Recognition of handwritten characters by parts with multiple orientations. *Mathematical and Computer Modelling*, 35(3-4):441–479, 2002. [SCIE,NSYSU](2002 Impact Factor: 0.426).
97. **Zi-Cai Li**, T. Yamamoto, and Q. Fang. Superconvergence of solution derivatives for the Shortley-Weller difference approximation of Poisson’s equation, part I. Smoothness problems. *J. Computational and Applied Mathematics*, 151(2):307–333, 2003. [SCIE,NSYSU](2003 Impact Factor: 0.567).
98. H. T. Huang and **Zi-Cai Li**. Global superconvergence of Adini’s elements coupled with the Trefftz method for singular problems. *Engineering Analysis with Boundary Elements*, 27(3):227–240, 2003. [SCIE,NSYSU](2003 Impact Factor: 0.951).
99. **Zi-Cai Li**, H. Y. Hu, Q. Fang, and T. Yamamoto. Superconvergence of solution derivatives for the Shortley-Weller difference approximation of Poisson’s equation, part II. Singularity problems. *Numer. Funct. Anal. and Optimiz.*, 24(3-4):195–221, 2003. [SCIE,NSYSU](2003 Impact Factor: 0.616).
100. S. Wang and **Zi-Cai Li**. A non-conforming combination of finite element and volume method for singularly perturbed convection diffusion equation. *Mathematics of Computation*, 244:1689–1709, 2003. [SCI,NSYSU](2003 Impact Factor: 1.074).
101. H.T. Huang, **Zi-Cai Li**, and A. Zhu. Global superconvergence of biquadratic lagrange elements for Poisson’s equation. *Computer Mathematics, Lecture Notes on Computing*, pages 189– 203, 2003. [NSYSU].
102. **Zi-Cai Li**, H. Wang, and S. Liao. Numerical algorithms for image geometric transformation and applications. *IEEE Trans.on Sys. Man and Cybern B-Cybernetics*, 34(1):132–149, 2004. [SCI,NSYSU](2004 Impact Factor: 1.052).
103. **Zi-Cai Li**, T. T. Lu, and H. Y. Hu. The collocation Trefftz method for Biharmonic equations with crack singularities. *Engineering Analysis with Boundary Elements*, 28:79–96, 2004. [SCIE,NSYSU](2004 Impact Factor: 1.000).
104. **Zi-Cai Li**, H. Y. Hu, C. H. Hsu, and S. Wang. Particular solutions of singularly partial differential equations with constant coefficients in rectangular domains, Part I. Convergence analysis. *J. Computational and Applied Mathematics*, 166:181–208, 2004. [SCIE,NSYSU](2004 Impact Factor: 0.486).
105. H.T. Huang, **Zi-Cai Li**, and N. Yan. New error estimates of Adini’s elements for Poisson’s equation. *Applied Numerical Mathematics*, 50(1):49–74, 2004. [SCI,NSYSU](2004 Impact Factor: 0.639).
106. T. T. Lu, H. Y. Hu, and **Zi-Cai Li**. Highly accurate solutions of Motz’s and the cracked beam problems. *Engineering Analysis with Boundary Elements*, 28(11):1387–1403, 2004. [SCIE,NSYSU](2004 Impact Factor: 1.000).
107. H. T. Huang and **Zi-Cai Li**. Blending curves for landing problems by numerical differential equations, III. Separation techniques. *Mathematical and Computer Modelling*, 40(11-12):1351–1374, 2004. [SCIE,NSYSU](2004 Impact Factor: 0.479).

108. H. Y. Hu and **Zi-Cai Li**. Verification of reduced convergence rates. *Computing*, 74(1):67–73, 2005. [SCI,NSYSU](2005 Impact Factor: 0.949).
109. **Zi-Cai Li**, T. T. Lu, H. Y. Hu, and A. H. D. Cheng. Particular solutions of laplace’s equations on polygons and new models involving mild singularities. *Engineering Analysis with Boundary Elements*, 29(1):59–75, 2005. [SCIE,NSYSU](2005 Impact Factor: 0.894).
110. T. T. Lu and **Zi-Cai Li**. The cracked-beam problem solved by the boundary approximation method. *Applied Mathematics Letters*, 18(1):11–16, 2005. [SCI,NSYSU](2005 Impact Factor: 0.345).
111. **Zi-Cai Li**. Algorithms for curve image under geometric trnasformations. *Inter. J. Information*, 8:845–862, 2005. [NSYSU].
112. **Zi-Cai Li**, C. S. Huang, and R. C. D. Chen. Interior boundary conditions in the schwarz alternating method for the Trefftz method. *Engineering Analysis with Boundary Elements*, 29(5):477–493, 2005. [SCIE,NSYSU](2005 Impact Factor: 0.894).
113. H. Y. Hu, **Zi-Cai Li**, and A. H.-D. Cheng. Radial basis collocation methods for elliptic boundary value problems. *Computers & Mathematics with Applications*, 50(1-2):289–320, 2005. [SCI,NSYSU](2005 Impact Factor: 0.430).
114. **Zi-Cai Li**, Y. L. Chan, G. G. Georgiou, and X. Xenophotos. Special boundary approximation methods for laplace equation problems with boundary singularities - applications to the motz problem. *Computers & Mathematics with Applications*, 51(1):115–142, 2006. [SCI,NSYSU](2006 Impact Factor: 0.611).
115. H. T. Huang, **Zi-Cai Li**, and A. Zhou. New error estimates of biquadratic lagrange elements for Poisson’s equation. *Applied Numerical Mathematics*, 56(5):712–744, 2006. [SCI,NSYSU](2006 Impact Factor: 0.835).
116. H. Y. Hu and **Zi-Cai Li**. Collocation methods for Poisson’s equation. *Computer Methods in Applied Mechanics and Engineering*, 195(33-35):4139–4160, 2006. [SCI,NSYSU](2006 Impact Factor: 2.015).
117. H. T. Huang and **Zi-Cai Li**. Effective condition number and superconvergence of the Trefftz method coupled with high order FEM for singularity problems. *Engineering Analysis with Boundary Elements*, 30(4):270–283, 2006. [SCI,NSYSU](2006 Impact Factor: 0.883).
118. **Zi-Cai Li**, T. T. Lu, H. S. Tsai, and A. H. D. Cheng. The Trefftz method for solving eigenvalue problems. *Engineering Analysis with Boundary Elements*, 30(4):292–308, 2006. [SCI,NSYSU](2006 Impact Factor: 0.883).
119. H. Y. Hu and **Zi-Cai Li**. Combinations of collocation and finite element methods for Poisson’s equation. *Inter. J. Computers & Mathematics with Application*, 51(12):1831–1853, 2006. [SCI,NSYSU](2005 Impact Factor: (2006 Impact Factor: 0.611)).
120. C. S. Huang, S. Wang, C. S. Chen, and **Zi-Cai Li**. A radial basis collocation method for Hamilton-Jacobi-Bellman equations. *Automatica*, 42:2201–2207, 2006. [SCI,NSYSU](2007 Impact Factor: 2.083).
121. **Zi-Cai Li**, C. S. Chien, and H. T. Huang. Effective condition number for finite difference method. *J. Computational and Applied Mathematics*, 198(1):208–235, 2007. [SCI,NSYSU](2007 Impact Factor: 0.943).
122. **Zi-Cai Li**. Error analysis of the Trefftz method for solving Laplace’s eigenvalue problems. *J. Computational and Applied Mathematics*, 200(1):231–254, 2007. [SCI,NSYSU](2007 Impact Factor: 0.943).
123. **Zi-Cai Li**, T. T. Lu, H. T. Huang, and A. H. D. Cheng. Trefftz, collocaton and other boundary methods – a comparison. *Numerical Methods for PDEs*, 23(1):93–144, 2007. [SCIE,NSYSU](2007 Impact Factor: 0.957).
124. **Zi-Cai Li**, H. T. Huang, J. Huang, and L. Ling. Stability analysis for the penalty plus hybrid and the direct Trefftz methods for singularity problems. *Engineering Analysis with Boundary Elements*, 31(2):163–175, 2007. [SCI,NSYSU](2007 Impact Factor: 0.936).



125. **Zi-Cai Li**, H. T. Huang, and J. Huang. Stability analysis and superconvergence for penalty Trefftz method coupled with FEM for singularity problems. *Engineering Analysis with Boundary Elements*, 31:631–645, 2007. [SCI,NSYSU](2007 Impact Factor: 0.936).
126. **Zi-Cai Li**. The Trefftz method for the Helmholtz equation with degeneracy. *Applied Numer. Math.*, 58:131–159, 2008. [SCI,NSYSU](2008 Impact Factor: 0.952).
127. C. S. Chien, H. T. Huang, B. W. Jeng, and **Zi-Cai Li**. Two-grid discretization schemes for nonlinear Schroedinger equations. *J. Computational and Applied Mathematics*, 214:549–571, 2008. [SCI,NSYSU](2008 Impact Factor: 1.048).
128. C. S. Chien, B. W. Jeng, and **Zi-Cai Li**. A time-independent approach for computing wave functions of the Schrodinger-Poisson system. *Numerical Linear Algebra with Applications*, 15:55–82, 2008. [SCI,NSYSU](2008 Impact Factor: 0.822).
129. **Zi-Cai Li**, Heng-Shuing Tsai, Song Wang, and John J. H. Miller. Accurate and approximate analytic solutions of singularly perturbed differential equations with two-dimensional boundary layers. *Computers & Mathematics with Applications*, 55:2602–2622, 2008. [SCI,NSYSU](2008 Impact Factor: 0.997).
130. **Zi-Cai Li**, H. T. Huang, and J. Huang. Superconvergence and stability for boundary penalty techniques of finite difference methods. *Numer. Methods for PDEs*, 24:972–990, 2008. [SCI,NSYSU](2008 Impact Factor: 0.962).
131. H. T. Huang, **Zi-Cai Li**, and Q. Lin. New expansions of numerical eigenvalues by finite elements. *J. Computational and Applied Mathematics*, 217(1):9–27, 2008. [SCI,NSYSU](2008 Impact Factor: 1.048)(Mathematics, Applied, 75/158, 47.5%).
132. Q. Lin, H. T. Huang, and **Zi-Cai Li**. New expansions of numerical eigenvalues for  $\delta_u = \lambda\rho u$  by non-conforming elements. *Mathematics of Computation*, 77(264):2061–2084, 2008. [SCI,NSYSU](2008 Impact Factor: 1.321)(Mathematics, Applied, 24/158, 15.2%).
133. **Zi-Cai Li**. Effective condition number of the Hermite finite element methods for biharmonic equations. *Applied Numer. Math.*, 58(9):1291–1308, 2008. [SCI,NSYSU](2008 Impact Factor: 0.952)(Mathematics, Applied, 58/158, 36.7%).
134. S. L. Chang, C. S. Chien, and **Zi-Cai Li**. A finite difference continuation method for computing energy levels of Bose-Einstein condensates. *Computer Physics Communications*, 179(49):208–226, 2008. [SCI,NSYSU](2008 Impact Factor: 2.120).
135. C. S. Chien, H. T. Huang, B. W. Jeng, and **Zi-Cai Li**. Superconvergence of FEMs and numerical continuation for parameter-dependent problems with folds. *International Journal of Bifurcation and Chaos*, 18(5):1321–1336, 2008. [SCI,NSYSU](2008 Impact Factor: 0.870)(multidisciplinary science, 17/50, 34%).
136. **Zi-Cai Li** and H. T. Huang. Effective condition number for numerical partial differential equations. *Numerical Linear Algebra with Applications*, 15(7):575–594, 2008. [SCI,NSYSU](2008 Impact Factor: 0.822).
137. **Zi-Cai Li** and Qing Fang, Song Wang, and Hsin-Yun Hu. Superconvergence of solution derivatives of the shortley-weller difference approximation to elliptic equations with singularities involving the mixed type of boundary conditions. *Numerical Functional Analysis and Optimization*, 29:161–196, 2008. [SCI,NSYSU](2008 Impact Factor: 0.586).
138. **Zi-Cai Li** and H. T. Huang. Effective condition number for simplified hybrid Trefftz methods. *Engineering Analysis with Boundary Elements*, 32(9):757–769, 2008. [SCI,NSYSU](2008 Impact Factor: 1.096).
139. **Zi-Cai Li**. Combinations of method of fundamental solutions for Laplace’s equation with singularities. *Engineering Analysis with Boundary Elements*, 32(10):856–869, 2008. [SCI,NSYSU](2008 Impact Factor: 1.096).
140. **Zi-Cai Li** and H. T. Huang. Study on effective condition number for collocation methods. *Engineering Analysis with Boundary Elements*, 32(10):839–848, 2008. [SCI,NSYSU](2008 Impact Factor: 1.096).

141. J. Huang, **Zi-Cai Li**, T. Lu, and R. Zhu. Splitting extrapolations for solving boundary integral equations of mixed boundary conditions on polygons by mechanical quadrature methods. *Taiwanese Journal of Mathematics*, 12(9):2341–2361, 2008. [SCI,NSYSU](2008 Impact Factor: 0.583).
142. T. Yamamoto, S. Oishi, M. Z. Nashed, **Zi-Cai Li**, and Q. Fang. Discretization principles for linear two-point boundary value problems, III. *Numerical Functional Analysis and Optimization*, 29(9-10):1180–1200, 2008. [SCI,NSYSU](2008 Impact Factor: 0.586).
143. **Zi-Cai Li**, H. Y. Hu, S. Wang, and Q. Fang. Superconvergence of solution derivatives of the shortley-weller difference approximation to Poisson's equation with singularity problems on polygonal domains. *Applied Numer. Math.*, 58:689–704, 2008. [SCI,NSYSU](2008 Impact Factor: 0.952).
144. **Zi-Cai Li**, T. T. Lu, and Y. M. Wei. Coupling techniques in TreRtz methods. *Computer Assisted Mechanics and Engineering Sciences*, 15:183–213, 2008. [NSYSU].
145. **Zi-Cai Li**, T. T. Lu, and Y. M. Wei. Effective condition number of Trefftz methods for biharmonic equations with crack singularities. *Numerical Linear Algebra with Applications*, 16(2):145–171, 2009. [SCI,NSYSU](2009 Impact Factor: 1.054).
146. Q. Lin and H. T. Huang and **Zi-Cai Li**. New expansions of numerical eigenvalues by Wilson's elements. *J. Computational and Applied Mathematics*, 225:213–226, 2009. [SCI,NSYSU](2009 Impact Factor: 1.292)(Mathematics, Applied, 75/158, 47.5%).
147. T. T. Lu, C. M. Chang, and H. T. Huang and **Zi-Cai Li**. Stability analysis of Trefftz methods for the stick-slip problem. *Engineering Analysis with Boundary Elements*, 33:474–484, 2009. [SCI,NSYSU](2009 Impact Factor: 1.531).
148. H. T. Huang, S. L. Chang, C. S. Chien, and **Zi-Cai Li**. Superconvergence of high order FEMs for eigenvalue problems with periodic boundary conditions. *Computer Methods in Applied Mechanics and Engineering*, 198(30-32):2246–2259, 2009. [SCI,NSYSU](2009 Impact Factor: 1.806).
149. **Zi-Cai Li**. Method of fundamental solutions for annular shaped domains. *J. Computational and Applied Mathematics*, 228(1):355–372, 2009. [SCI,NSYSU](2009 Impact Factor: 1.292)(Mathematics, Applied, 75/158, 47.5%).
150. **Zi-Cai Li** and H. T. Huang. Effective condition number for finite element method using local refinements. *Applied Numer. Math.*, 59:1779–1795, 2009. [SCI,NSYSU](2009 Impact Factor: 1.279).
151. J. Huang, T. Lu, and **Zi-Cai Li**. Mechanical quadrature methods and their splitting extrapolations for boundary integral equations of first kind on open arcs. *Applied Numer. Math.*, 59(12):2908–2922, 2009. [SCI,NSYSU](2009 Impact Factor: 1.279).
152. **Zi-Cai Li**, Q. Fang, H. T. Huang, and Y. Wei. On solution uniqueness of elliptic boundary value problems. *J. Computational and Applied Mathematics*, 233(2):293–307, 2009. [SCI,NSYSU](2009 Impact Factor: 1.292).
153. **Zi-Cai Li**, Q. Fang, and S. Wang. Superconvergence of solution derivatives for the Shortley-Weller difference approximation for parabolic problems. *Numer. Funct. Anal. and Optimiz.*, 30(11-12):1360–1380, 2009. [SCI,NSYSU](2009 Impact Factor: 0.625).
154. **Zi-Cai Li**, C. S. Chien, H. T. Huang, , and B. W. Jeng. Superconvergence of bi-k-Lagrange elements for eigenvalue problems. *Computer Physics Communications*, 180(11):2268–2282, 2009. [SCI,NSYSU](2009 Impact Factor: 1.958).
155. **Zi-Cai Li**, H. J. Young, H. T. Huang, Y. P. Liu, and A. H. D. Cheng. Comparisons of fundamental solutions and particular solutions for Trefftz methods. *Engineering Analysis with Boundary Elements*, 34(3):248–258, 2010. [SCI,NSYSU](2009 Impact Factor: 1.531).
156. **Zi-Cai Li**, P. C. Chu, L. J. Young, and M. G. Lee. Models of corner and crack singularity of linear elastostatics and their numerical solutions. *Engineering Analysis with Boundary Elements*, 34(6):533–548, 2010. [SCI,NSYSU](2009 Impact Factor: 1.531).

157. M. G. Lee, L. J. Young, **Zi-Cai Li**, and P. C. Chu. Combined Trefftz methods of particular and fundamental solutions for corner and crack singularity of linear elastostatics. *Engineering Analysis with Boundary Elements*, 34(7):632–654, 2010. [SCI,NSYSU](2009 Impact Factor: 1.531).
158. **Zi-Cai Li**, J. Huang, and H. T. Huang. Stability analysis of method of fundamental solutions for mixed boundary value problems of Laplace's equation. *Computing*, 89(1-2):1–29, 2010. [SCI,NSYSU](2009 Impact Factor: 1.033).
159. **Zi-Cai Li**, H. T. Huang, J. T. Chen, and Y. Wei. Effective condition number and its applications. *Computing*, 89(1-2):87–112, 2010. [SCI,NSYSU](2009 Impact Factor: 1.033).
160. J. Huang, **Zi-Cai Li**, I. L. Chen, and Alexander H.D. Cheng. Advanced quadrature methods and splitting extrapolation algorithms for first kind boundary integral equations of Laplace's equation with discontinuity solutions. *Engineering Analysis with Boundary Elements*, 34:1003–1006, 2010. [SCI,NSYSU](2009 Impact Factor: 1.531).
161. **Zi-Cai Li**, T.T. Lu, H. T. Hunag, and A. H. D. Cheng. Error analysis of Trefftz methods for Laplace's equations and its applications. *CMES-Computer Modeling in Engineering & Sciences*, 52(1):39–81, 2009. [SCI,NSYSU].
162. **Zi-Cai Li**, J. Y. Chiang, and C. Y. Suen. Face transformation with harmonic models by finite volume method with Delaunay triangulation. Accepted by *IEEE Trans. on Sys. Man and Cybern Part B-Cybernetics*, 2010. [SCI,NSYSU](2009 Impact Factor: 3.007).
163. J. Huang, G. Zeng, X. He, and **Zi-Cai Li**. Splitting extrapolation algorithm for first kind boundary integral equations with singularities by mechanical quadrature methods. Accepted by *Advances in Computational Mathematics*, 2010. [SCI,NSYSU](2009 Impact Factor: 1.354).
164. **Zi-Cai Li**, H. T. Huang, and Y. Wei. ill-conditioning of the truncation singular value decomposition and the Tikhonov regularization and their application to numerical partial differential equations. revised version for *Numerical Linear Algebra with Applications*. [SCI,NSYSU](2009 Impact Factor: 1.054).
165. **Zi-Cai Li**. Error analysis for hybrid Trefftz methods coupling traction conditions in linear elastostatics, a comparison. revised version for *Numerical Methods for PDE*, 2010. [SCI,NSYSU](2009 Impact Factor: 1.196).

## (B) 專書及其他著作

1. **Zi-Cai Li**, T. D. Bui, Y. Y. Tang, and C. Y. Suen. *Computer Transformation of Digital Images and Patterns* (258 pages). World Scientific, Singapore, 1989.
2. **Zi-Cai Li**. *Numerical Methods for Elliptic Problems with Singularities: Boundary Methods and Nonconforming Combinations* (258 pages). World Scientific, Singapore, 1990.
3. **Zi-Cai Li**. *Combined Methods for Elliptic Problems with Singularities, Interfaces and Infinities* (476 pages). Kluwer Academic Publishers, 1998. [NSYSU].
4. **Zi-Cai Li**, T. T. Lu, H. Y. Hu, and A. H. D. Cheng. *Trefftz and Collocation Methods* (432 pages). WIT press, Southampton, Boston, January 2008. [NSYSU].
5. **Zi-Cai Li**. The fundamental solutions for Laplace's equation with mixed boundary condition. In C. S. Chen, A. Karageorghis, and Y. S. Smyrlis, editors, *The Method of Fundamental Solutions - A Meshless Method*, chapter 2, pages 29–49. Dynamic Publishers, Inc., USA., 2009. [NSYSU].
6. **Zi-Cai Li**, H. T. Huang, and N. Yan. *Global Superconvergence of Finite Elements for Elliptic Equations and its Applications* (about 300 pages). Accepted by Science Press, Beijing. and plan to published in 2011. [NSYSU].

張宏鏞教授 (Hungyung Chang) (96年8月畢業，98年8月到校)

(A) 期刊論文

1. **H. Chung** and X. Zhu. The  $d$ -relaxed game chromatic index of  $k$ -degenerated graphs. *Australasian Journal of Combinatorics*, 36:73–82, 2006. [SCI, NSYSU]).
2. **H. Chung** and X. Zhu. Colouring games on outerplanar graphs and trees. *Discrete Mathematics*, 309(10):3185–3196, 2009. [SCI, NSYSU](2009 Impact Factor: 0.548).
3. **H. Chung**, J. Ma, and Y. N. Yeh. Tutte polynomials and  $g$ -parking functions. *Advances in Applied Mathematics*, 44(3):231–242, 2010. [SCI, NSYSU](2009 Impact Factor: 0.931).

## 十八、近五年研究生發表論文

1. 許湘伶, 羅夢娜. 多反應迴歸模型工的最靠設計簡介. *中國統計學報*, 42:365-381, 2004.
2. Meng-Han Li (李孟翰) and Ngai-Ching Wong. Sums of star polygons and the Eulerian numbers. *Southeast Asian Bulletin of Math.*, 28(3):437-446, 2004.
3. Zi-Cai Li, T. T. LU, H. Y. Hu (胡馨云). The collocation Trefftz method for Biharmonic equations with crack singularities. *Engineering Analysis with Boundary Elements*, 28:79-96, 2004.
4. Zi-Cai Li, H. Y. Hu (胡馨云), C. H. Hsu, and S. Wang. Particular solutions of singularly partial differential equations with constant coefficients in rectangular domains, Part I. Convergence analysis. *J. Computational and Applied Mathematics*, 166:181-208, 2004.
5. H.T. Huang (黃宏財), Zi-Cai Li, and N. Yan. New error estimates of Adini's elements for Poissons's equations. *Applied Numerical Mathematics*, 50(1):49-74, 2004.
6. T. T. Lu, H.Y. Hu (胡馨云), and Zi-Cai Li. Highly accurate solutions of Motz's and the cracked beam problems. *Engineering Analysis with Boundary Elements*, 28(11):1387-1403, 2004.
7. H. T. Huang (黃宏財) and Zi-Cai Li. Blending curves for landing problems by numerical differential equations, III. Separation techniques. *Mathematical and Computer Modelling*, 40(11-12):1351-1374, 2004.
8. Z. S. Pan (潘志實) and X. Zhu. Density of the circular chromatic numbers of series-parallel graphs. *Journal of Graph Theory*, 46(1):57-68, 2004.
9. Fu-Chuen Chang and Ya-Huei Chen (陳雅薰). D-optimal designs for multivariate linear and quadratic polynomial regression. *中國統計學報*, 42(4):383-402, 2004.
10. J. Wu (吳佼佼) and X. Zhu. Relaxed game chromatic number of outer planar graphs. *Discrete Mathematics*, 281(1-3):209-219, 2004.
11. G. J. Chang and L.-D. Tong and H.-T. Wang (王鴻志). Geodetic spectra of graphs. *European Journal of Combinatorics*, 25(3):383-391, 2004.
12. Mong-Na Lo Huang, Ray-Bing Chen, and Ying-Ying Chen (陳盈螢).  $c$ -optimal designs for weighted polynomial models. *Sankhya A*, 67:90-105, 2005.
13. Y. H. Cheng (鄭彥修), C. T. Shieh, and Chun-Kong Law. A vectorial inverse nodal problem. *Proc. Amer. Math. Soc.*, 133(5):1475-1484, 2005.
14. C. C. Chen (陳中川), Chun-Kong Law, and F. Y. Sing. Optimal lower estimates for eigenvalue ratios of Schrodinger operators and vibrating strings. *Taiwanese J. Math.*, 9, no.2, 175-185, 2005.
15. H. H. Chern, Chun-Kong Law, and H. J. Wang (王宏仁). Corrigendum: Extension of Ambarzumyan's theorem to the general boundary conditions. *J. Math. Anal. Appl.*, 309:764-768, 2005.
16. Z. S. Pan (潘志實) and X. Zhu. Graphs and large girth with prescribed partial circular colourings. *Graphs and Combinatorics*, 21(1):119-129, 2005.
17. Yin-Fen Lin (林英芬) and Ngai-Ching Wong. Power compact disjointness preserving maps of continuous function spaces. *Bulletin of the Irish Mathematical Society*, 55:7-14, 2005.
18. Wan-Chain Fang (方婉茜) and Ngai-Ching Wong. Disjointness preserving linear operators of Wiener ring. In *Proceedings of the 6th Taiwan-Philippine Symposium on Analysis*, 2005.
19. H. Y. Hu (胡馨云) and Zi-Cai Li. Verification of reduced convergence rates. *Computing*, 74(1):67-79, 2005.
20. Zi-Cai Li, T. T. Lu, H. Y. Hu (胡馨云), and A. H. D. Chang. Particular solutions of laplace's equations on polygons and new models involving mild singularities. *Engineering Analysis with Boundary Elements*, 29(1):59-75, 2005.
21. H. Y. Hu (胡馨云), Zi-Cai Li, and A. H.-D. Cheng. Radial basis collocation methods for elliptic boundary value problems. *Inter. J. Computers & Mathematics with Application*, 50(1-2):289-320, 2005.

22. Zi-Cai Li, Y. L. Chan (陳雅鈴), G. G. Georgiou, and X. Xenophotos. Special boundary approximation methods for laplace equation problems with boundary singularities (applications to motz problem). *Inter. J. Computers & Mathematics with Application*, 2005.
23. Mong-Na Lo Huang, Ray-Bing Chen, Chun-Sui Lin (林純穗), and Weng Kee Wong. Optimal designs for parallel models with correlated responses. *Statistica Sinica*, 16:121-133, 2006.
24. Mong-Na Lo Huang and Chun-Sui Lin (林純穗). Minimax and maximin efficient designs for estimating the location-shift parameter for parallel models with dual responses. *Journal of Multivariate Analysis*, 97:198-210, 2006.
25. K. W. Lih and C. Y. Lin (林承穎) and L.-D. Tong. On an interpolation property of outerplanar graphs. *Discrete Applied Mathematics*, 154(1):166-172, 2006.
26. K. W. Lih and C. Y. Lin (林承穎) and L.-D. Tong. Non-cover Generalized Mycielskian, Kneser, and Schrijver graphs. Accepted by *Discrete Mathematics*, 2006.
27. L.-D. Tong, P. L. Yen (顏珮嵐), A. Farrugia. The Convexity Spectra of Graphs. Accepted by *Discrete Applied Mathematics*, 2006.
28. Jung-Hui Liu (劉榮惠) and Ngai-Ching Wong. 2-Local automorphisms of operator algebras. *J. Math. Anal. Appl.*, 321(2):741-750,2006.
29. Y. H. Cheng (鄭彥修) and Chun-Kong Law. On the quasi-nodal map for the Sturm-Liouville problem. *Proc. Royal Soc. Edinburgh*, 136(1):71-86, 2006.
30. Y. H. Cheng (鄭彥修) and Chun-Kong Law. The inverse nodal problem for Hill's operators. *Inverse Problems*, 22:891-901, 2006.
31. Zi-Cai Li and T. T. Lu and H. S. Tsai (蔡恆雄) and A. H. D. Cheng. The Trefftz method for solving eigenvalue problems. *Engineering Analysis with Boundary Elements*, 30(4):292-308, 2006.
32. J. Wu (吳佼佼) and X. Zhu. Relaxed game chromatic number of outer planar graphs. *Ars Combinatoria*, 81:359-367, 2006.
33. Shuyuan Lin (林淑媛) and X. Zhu. Uniquely circular colourable and uniquely fractional colourable graphs of large girth. *Contribution to Discrete Mathematics*, 1:57-67, 2006.
34. Hungyung Chang (張宏鏞) and X. Zhu. The d-relaxed game chromatic index of k-degenerated graphs. *Australasian Journal of Combinatorics*, 36:73-82, 2006.
35. Mark C. Ho and M. M. Wong (王牧民). Constructing spaces of analytic functions through binormalizing sequences. *Colloquium Math.*, 106(2):177-195, 2006.
36. Mark C. Ho and M. M. Wong (王牧民). Analytic spaces defined by symmetric norming functions. *TAIWANESE JOURNAL OF MATHEMATICS*, 10(1):1-11, 2006.
37. Mark C. Ho and M. M. Wong (王牧民). Applications of the theory of s.n. functions to the duality of analytic function spaces and the Hankel operators in  $S_{\pi}$ . *Indiana University Mathematics Journal*, 55(5):1646-1669, 2006.
38. Mei-Hui Guo and Chi-ling Wang (王琪玲) and Shih-Fong Huang (黃士峰). Statistical control charts for long memory processes. *Journal of Quality Technology*, 2006. Tentatively accepted, under revision.
39. Mei-Hui Guo and 應廣儀 and 王琛瑤. 十二音列樂曲的方陣與模型研究--以Webern和Schonberg的樂曲為例. *中國統計學報*, 2006. Tentatively accepted, under revision.
40. Chieh-Sen Huang and C. H. Hung (洪承輝) and S. Wang. A fitted finite volume method for the valuation of options on assets with stochastic volatilities. *COMPUTING*, 77(3):297-320, 2006.
41. Y. Chiang and Y.-S. Wang (王雅書). On Closedness in the L-Topology of T.V.S., *Taiwanese Journal of Mathematics*, 10(1): 129-138, 2006. [SCI NSYSU]
42. Jung-Hui Liu (劉榮惠) and Ngai-Ching Wong. Local automorphisms of operator algebras. *Taiwanese J. Math.*, 11(3):611-619, 2007.

43. Y. Chiang and Y.-S. Wang (王雅書). Euclidean Self-Similar Sets Generated by Geometrically Independent Sets. *Topology and its Applications*, 154: 2376-2390, 2007. [SCI NSYSU]
44. C. S. Chen and C. F. Lee(李政峰) and Chieh-Sen Huang. Error Estimate, Optimal Shape Factor, and High Precision Computation of Multiquadric Collocation Method. *Engineering Analysis with Boundary Elements*, 31(7):614-623, 2007.
45. Li-Shu Chen (陳麗淑), Jyh-Shyang Jeang and Ngai-Ching Wong. Disjointness preserving shifts on  $C_0(X)$ 's. *J. Math. Anal. Appl.*, 325(1):400-421, 2007.
46. Fu-Chuen Chang and Bo-Jung Jiang (姜柏仲). An algebraic construction of minimally-supported D-optimal designs for weighted polynomial regression. *Statistica Sinica*, 17(3), 2007.
47. Fu-Chuen Chang and Hung-Ming Lin (林宏明). On minimally-supported D-optimal designs for polynomial regression with log-concave weight function. *Metrika*, 65(2):227-233, 2007.
48. 張福春、李姿霖. 不等式之基本解題方法. 數學傳播季刊, 31(2):38-61, 2007.
49. Mark C. Ho, M. M. Wong (王牧民) and N.-C. Wong. The density of algebraic elements in  $C^*$ -algebras. *Taiwanese J. of Math.*, 2008.
50. Shi-Feng Huang(黃士峰), Mei-Hui Guo and Ying-Chang Liang. Valuation of multidimensional Bermudan options. *In Applied Quantitative Finance, 2nd Edition* (Edited by W. Haerdle), Springer, Berlin, 2008.
51. Ray-Bing Chen, Mei-Hui Guo, Wolfgang K. Haerdle and Shi-Feng Huang(黃士峰). Independent component analysis via copula techniques. SFB 649 Economic Risk Discussion Paper, Berlin, 2008.
52. Fu-Chuen Chang and 莊淨惠. 線性遞迴關係之求解. To appear in 數學傳播, 2008.
53. Fu-Chuen Chang and 曾介政. 一般生成函數之應用. To appear in 數學傳播, 2008.
54. Fu-Chuen Chang and Jeff Shao (蕭志堅). Calculating moment generating and characteristic functions using mathematica. *Journal of the Chinese Statistical Association*, 46(2):118-129, 2008.
55. Hwa-Long Gau, Chih-Jen Wang (王志仁) and Ngai-Ching Wong. Invertibility and Fredholmness of linear sums of quadratic, k-potent and nilpotent operators. *Operators and Matrices*, 2(2):193-199, 2008.
56. 56. Chi-Wai Leung, Chung-Wen Tsai(蔡宗炘) and Ngai-Ching Wong. Separating linear maps of continuous fields of banach spaces. *Asian-European J. Math.*, in press.
57. Shi-Feng Huang (黃士峰) and Mei-Hui Guo. Financial derivative valuation - a dynamic semiparametric approach. *Statistica Sinica*, 19(3):1037-1054, 2009.
58. Mong-Na Lo Huang, Hsiang-Ling Hsu(許湘伶), Chao-Jin Chou(周昭景) and Thomas Klein. Model-robust  $d$ - and  $a$ -optimal designs for mixture experiments. *Statistica Sinica*, 19(3):1055-1075, 2009.
59. Miao-Kuan Huang (黃妙冠) and Mong-Na Lo Huang.  $D_s$ -optimal designs for quadratic log contrast model for experiments with mixtures. *Communications in Statistics –Theory and Methods*, 38(10):1607-1621, 2009.
60. Mong-Na Lo Huang and Miao-Kuan Huang (黃妙冠).  $\phi_p$ -optimal designs for a linear log contrast model for experiments with mixtures. *Metrika*, 70(2):239-256, 2009.
61. Fu-Chuen Chang and 洪偉誠. 排容原理. To appear in 數學傳播, 2009.
62. Fu-Chuen Chang and Yang-Chan Su (蘇暘展). Computing A-optimal designs for weighted polynomial regression by Taylor expansion. *Communications in Statistics –Theory and Methods*, 38(10):1622-1634, 2009.
63. Fu-Chuen Chang, Hsiu-Ching Chang(張秀青), and Sheng-Shian Wang(王聖賢). D-optimal designs for polynomial regression with exponential weight function. *Metrika*, 70(3):339-354, 2009.
64. C.K. Law, W.C. Lian and Wei-Chuan Wang (王惟權). Inverse nodal problem and Ambarzumyan problem for the p-Laplacian. *Proceedings of Royal Society of Edinburgh*, 139A, 1261-1273, 2009.
65. Ching-Jou Liao (廖靜柔) and Ngai-Ching Wong. Smoothly embedded subspaces of a banach space. *Taiwanese J.*

*Math.*, 14(4):1629-1634, 2010.

66. Y.H. Cheng, Tui-En Wang (王推恩) and Jun-Ren Wu. A note on eigenvalue asymptotics for Hill's equation. *Applied Mathematics Letters*, 23(9):1013-1015, 2010.
67. Jyy-I Hong (洪芷漪) and Jhishen Tsay. A strong law of large numbers for random elements in Banach spaces. *Southeast Asian Bulletin of Mathematics*, 34:257-264, 2010.



# 十九、近年演講一覽表

## 國立中山大學應用數學系 94 學年書報討論演講一覽表

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
1	統計組	2005/09/15 (Thu,四)	14:10~15:00	沈晴 博士 Qing Shen	Edmunds.com Inc.	Regression Analysis for Linear Models with Functional Responses	理4009-1	張福春
2	科學計算	2005/09/15 (Thu,四)	15:30~16:30	夏育群 教授	逢甲大學航太與系統工程學系	邊界元素法對於異向性結構熱效應問題之處理	理4009-1	呂宗澤
3	統計組	2005/09/29 (Thu,四)	14:10~15:00	鄒小蕙博士	國家衛生研究院生物統計與生物資訊組	Factor Analysis of Cross-Classified Data	理4009-1	張福春
4	科學計算	2005/09/29 (Thu,四)	15:30~16:30	黃晉 教授	中山大學應用數學系博士後研究員中國電子科技大學應用數學學院教授	解第一類邊界積分方程的高精度機械求積法與外推	理4009-1	呂宗澤
5	數學組	2005/10/06 (Thu,四)	15:10~16:00	Prof. Gyula Katona	Alfred Renyi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, Hungary	Excluded subposets in the Boolean lattice	理4009-1	朱緒鼎
6	統計組	2005/10/13 (Thu,四)	14:10~15:00	楊欣洲博士	中央研究院生物醫學科學研究所	Pooled DNA Analysis	理4009-1	張福春
7	統計組	2005/11/03 (Thu,四)	15:30~16:30	楊景如 教授	致遠管理學院企業管理學系	Optimal stopping problems in random sequences	理4009-1	張福春
8	統計組	2005/11/10 (Thu,四)	14:10~15:00	黃郁芬 教授 Yufen Huang	中正大學統計研究所	Pair-Perturbations on Influence Functions and Local Influence in PCA	理4009-1	張福春
9	數學組	2005/11/17 (Thu,四)	15:30~16:30	方永富教授	成功大學應數學系	On the Dirac-Klein-Gordon equations in 1+1 dimensions	理4009-1	姚任之
10	科學計算	2005/12/01 (Thu,四)	15:30~16:30	劉晉良 教授	高雄大學應用數學系	Numerical Modeling for emiconductor Quantum Dot Molecule Based on the Current Spin Density Functional Theory	理4009-1	呂宗澤
11	數學組	2005/12/02 (Fri,五)	15:30~16:30	林來居 教授	彰化師範大學數學系	Mathematical programming with system of equilibrium constraints	理4027	姚任之
12	數學組	2005/12/02 (Fri,五)	16:30~17:30	賴漢卿 教授	中原大學應用數學系	Parametric duality on minimax programming involving generalized convexity in complex spaces	理4027	姚任之
13	數學組	2005/12/07 (Wed,三)	15:10~16:00	Prof. Jiang Zeng	Institut Camille Jordan, University of Lyon 1, France	Enumeration of crossings and nestings of partitions and the linearization coefficients of q-Chralier polynomials	理4009-1	姚任之
14	數學組	2005/12/09 (Fri,五)	16:10~17:00	楊重駿 教授	香港科技大學數學系	How to find research problems ?	理4009-1	黃毅青
15	所有組別	2005/12/13 (Tue,二)	15:10~16:00	梅茗教授 Ming Mei	Dept. of Mathematics & Statistics, Concordia University, Canada	Nonlinear stability of travelling waves for time-delayed Nicholson's blowflies equations	理4011	

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
16	統計組	2005/12/15 (Thu,四)	14:10~15:00	鄧利源 教授	Dept.of Math.Sciences University of Memphis, U.S.A.	Scalable parallel multiple recursive generators of large order	理4009-1	張福春
17	統計組	2005/12/19 (Mon,一)	16:10~17:00	陳毅恒 教授	香港中文大學統計 系	Inference for Time Series and Stochastic Processes	理4011	張福春
18	所有組別	2005/12/20 (Tue,二)	16:10~17:00	徐洪坤 教授 Hong-Kun XU	Mathematical Sciences, University of KwaZulu-Natal, South Africa	Iterative Methods for the split feasibility problem	理4011	
19	統計組	2005/12/21 (Wed,三)	14:10~15:00	陳平雲教授 Pinyuen Chen	Dept.of Mathematics, Syracuse University, U.S.A.	Two statistical issues in signal processing	理4011	張福春
20	所有組別	2005/12/22 (Thu,四)	14:10~15:00	徐洪坤 教授 Hong-Kun XU	Mathematical Sciences, University of KwaZulu-Natal, South Africa	Different Approaches in the Black-Scholes Model	理4009-1	
21	科學計算	2005/12/22 (Thu,四)	15:30~16:30	楊德良 教授	台灣大學土木工程 學系	Analysis of Multi-dimensional Burgers' Equations by the Method of Fundamental Solutions	理4009-1	呂宗澤
22	數學組	2006/02/14 (Tue,二)	14:00~17:00	張石生教授	四川大學數學系	Iterative approximation to convex feasibility problems in Banach spaces	理4011-2 數學中 心	姚任之
23	所有組別	2006/02/21 (Tue,二)	16:10~17:00	呂恒輝 教授	東海大學統計系	Dimension Reduction for Multivariate Response Regression Data	理4009-1	羅夢娜
24	數學組	2006/02/22 (Wed,三)	14:00~17:00	張石生教授	四川大學數學系	Viscosity approximation methods for a sequence of nonexpansive mappings in reflexive Banach spaces	理4011-2 數學中 心	姚任之
25	科學計算	2006/02/23 (Thu,四)	15:30~16:30	Prof. Jiun-Shyan Chen	Civil & Environmental Engineering Dept., University of California, Los Angeles, U.S.A.	Adaptive Multi-scale Galerkin Meshfree Method for Mechanics and Materials	理4009-1	李子才
26	數學組	2006/03/01 (Wed,三)	14:00~17:00	張石生教授	四川大學數學系	Some convergence theorems for asymptotically nonexpansive mappings in Banach spaces	理4011-2 數學中 心	姚任之
27	所有組別	2006/03/02 (Thu,四)	14:10~15:00	黃子銘 教授	Dept. of Statistics, Iowa State University, U.S.A.	Convergence Rates for Posterior Distributions	理4009-1	
28	所有組別	2006/03/07 (Tue,二)	16:10~17:00	陳定立 博士 Ting-Li Chen	美國布朗大學 Brown University, U.S.A.	Topics in statistical image analysis	理4009-1	
29	統計組	2006/03/10 (Fri,五)	16:10~17:00	須上英 博士 Shang-Ying Shiu	美國布朗大學 Brown University, U.S.A.	A framework for the study of the predictive accuracy of diagnostic tests	理4009-1	
30	科學計算	2006/03/14 (Tue,二)	16:10~17:00	Prof. Yuesheng Xu	Dept. of Mathematics, Syracuse University, New York, U.S.A.	Multiparameter Regularization Based on Multiscale Analysis for Ill-Posed Problem and Applications in Signal and Image Processing	理4009-1	呂宗澤

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31	統計組	2006/03/16 (Thu,四)	14:10~15:00	黃怡婷教授	國立台北大學統計系	A novel method for testing normality in a mixed model of a nested classification	理4009-1	張福春
32	統計組	2006/03/23 (Thu,四)	14:10~15:00	蔡科仁 博士 Ko-Jen Tsai	Stony Brook University	Optimal Three-Level Factorial Designs for Response Surface Studies	理4009-1	張福春
33	統計組	2006/03/30 (Thu,四)	14:10~15:00	曹振海 教授	國立東華大學應用數學系	Boosting for Real?	理4009-1	羅夢娜
34	科學計算	2006/03/30 (Thu,四)	15:30~16:30	Prof. John Peter Ward	Dept of Mathematical Sciences, Loughborough University, U.K.	Mathematical modelling of the role of cell-cell sensing in bacterial virulence in wound infections	理4009-1	黃杰森
35	數學組	2006/03/31 (Fri,五)	17:10~18:00	朱礎豪 教授 Cho-Ho Chu	倫敦大學 (University of London)	Jordan algebras and geometry (1)	理4009-1 數學中心	黃毅青
36	數學組	2006/04/11 (Tue,二)	15:30~17:00	朱礎豪 教授 Cho-Ho Chu	倫敦大學 (University of London)	Jordan algebras and geometry (2)	理4009-1 數學中心	黃毅青
37	科學計算	2006/04/13 (Thu,四)	15:30~16:30	林文偉 教授	清華大學數學系	Bifurcation Analysis and Numerical Study of a Multi-Component Bose-Einstein Condensate	理4009-1	李才才
38	統計組	2006/04/26 (Wed,三)	11:10~12:00	杜憶萍 教授	中央研究院 統計科學研究所	An Algorithm in Choosing Significant PCA Components on Expression Microarrays	理4009-1	羅夢娜
39	統計組	2006/05/04 (Thu,四)	14:10~15:00	Prof. Subrahmanian Panchapakesan	Dept. of Mathematics, Southern Illinois University, Carbondale, Illinois, USA	Selecting the Best Population Using A Nonparametric Test for Equality	理4009-1	張福春
40	科學計算	2006/05/04 (Thu,四)	15:30~16:30	王辰樹 教授	國立成功大學數學系	On the Study of 1-D Discrete Schroedinger Equations: The Total Number of Energy Levels for a Quantum Dot	理4009-1	呂宗澤
41	科學計算	2006/05/09 (Tue,二)	13:10~16:00	汪崧 教授 Song Wang	The University of Western Australia	Applied Investment Mathematics	理4009-1 國科會	黃杰森
42	科學計算	2006/05/16 (Tue,二)	13:10~16:00	汪崧 教授 Song Wang	The University of Western Australia	Applied Investment Mathematics	理4009-1 國科會	黃杰森
43	科學計算	2006/05/23 (Tue,二)	13:10~16:00	汪崧 教授 Song Wang	The University of Western Australia	Applied Investment Mathematics	理4009-1 國科會	黃杰森
44	數學組	2006/05/25 (Thu,四)	16:30~17:30	Giandomenico Mastroeni	Dept. of Mathematics, University of Piza, Italy	Gap function algorithms for equilibrium problems	理4011-2	姚任之
45	科學計算	2006/05/30 (Tue,二)	13:00~16:00	汪崧 教授 Song Wang	The University of Western Australia	Applied Investment Mathematics	理4009-1 國科會	黃杰森
46	科學計算	2006/06/06 (Tue,二)	13:10~16:00	汪崧 教授 Song Wang	The University of Western Australia	Applied Investment Mathematics	理4009-1 國科會	黃杰森

南區國家理論科學研究中心  
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1	離散數學	2005/08/03 (Wed,三)	15:10~16:00	郭曉峰 教授	廈門大學數學系	$\alpha$ $2n+1$ -contractible and $\beta$ $2n$ contractible graphs	理4009-1 南區理論中心	朱緒鼎
2	分析	2005/08/11 (Thu,四)	15:10~16:00	束立生 教授 (Lisheng SHU)	安徽師範大學數學系	A Note on the Asymptotic Behavior of the Fourier Transform on $SL(2;R)$	理4009-1 南區理論中心	黃毅青
3	分析	2005/08/11 (Thu,四)	15:10~16:00	林欽誠 教授 Chin-Cheng Lin	中央大學數學系	Boundedness of Marcinkiewicz Integral	理4009-1 南區理論中心	黃毅青
4	分析	2005/08/16 (Tue,二)	16:10~17:00	Dr.Christian Neumaier	Institute Für Algebra, Johannes Kepler Universit" At Linz, Austria	Maximal subnear-rings of $M_0(G)$ and bijections generating $M_0(G)$	理4013 南區理論中心	黃毅青
5	分析	2005/08/28 (Sun,日)	15:10~17:00	蔣志祥 教授	陸軍官校管理科學系	Local automorphisms and derivations on $C^*$ -algebras	理4013 南區理論中心	黃毅青
6	分析	2005/09/22 (Thu,四)	11:10~12:00	王牧民 教授	美和技術學院資訊科技系	Algebraic elements in a $C^*$ algebra	理4011-2 南區理論中心	黃毅青
7	分析	2005/09/26 (Mon,一)	16:10~17:00	王牧民 教授	美和技術學院資訊科技系	Algebraic elements in a $C^*$ algebra (2)	理4011 南區理論中心	黃毅青
8	分析	2005/10/03 (Mon,一)	16:10~17:00	何宗軒 教授	中山大學應用數學系	Hardy space and Henkel operators	理4011 南區理論中心	黃毅青
9	分析	2005/10/13 (Thur,四)	15:30~16:30	黃南京 教授	四川大學數學系	Vector complementarity problems with a variable ordering relation	理4009-1 南區理論中心	黃毅青
10	分析	2005/10/17 (Mon,一)	17:10~18:00	何宗軒 教授	中山大學應用數學系	Hankel operators and hardy spaces (II)	理4011 南區理論中心	黃毅青
11	分析	2005/10/28 (Thur,四)	14:10~15:00	黃南京 教授	四川大學數學系	Strong vector F-complementary problem and least element problem of feasible set	理4011-2 南區理論中心	黃毅青
12	分析	2005/10/31 (Mon,一)	17:30~18:30	蔣志祥 教授	陸軍官校管理科學系	Local automorphisms and derivations on $C^*$ -algebras (2)	理4009-1 南區理論中心	黃毅青
13	分析	2005/11/07 (Mon,一)	16:10~17:00	何宗軒 教授	中山大學應用數學系	Bounded and finite rank Hankel operators	理4011 南區理論中心	黃毅青
14	分析	2005/11/14 (Mon,一)	16:10~17:00	王牧民 教授	美和技術學院資訊科技系	K theory in $C^*$ algebra	理4011 南區理論中心	黃毅青
15	微分方程	2005/11/17 (Thu,四)	14:10~15:00	簡澄陸 教授	中興大學應用數學系	Liapunov-Schmidt Reduction and Continuation for the Coupled Nonlinear Schrödinger Equations	理4009-1 南區理論中心	羅春光
16	分析	2005/11/28 (Mon,一)	16:10~17:00	王牧民 教授	美和技術學院資訊科技系	K theory in $C^*$ algebra (2)	理4011 南區理論中心	黃毅青

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17	分析	2005/12/05 (Mon,一)	16:10~17:00	岑嘉評 教授	香港中文大學數學系	Mathematical programming with applications to economics	理4011 南區理論中心	黃毅青
18	分析	2005/12/05 (Mon,一)	17:10~18:00	何宗軒 教授	中山大學應用數學系	Compact Hankel operators and AAK theorem (1)	理4011 南區理論中心	黃毅青
19	組合數學	2005/12/09 (Fri,五)	11:10~12:00	Prof. Pavol Hell	Simon Fraser University	Graph partitions	理4009-1 南區理論中心	朱緒鼎
20	組合數學	2005/12/12 (Mon,一)	16:10~17:00	Prof. Mike Albertson	Smith College	Coloring nearly planar graphs	理4011 南區理論中心	朱緒鼎
21	分析	2005/12/12 (Mon,一)	17:10~18:00	何宗軒 教授	中山大學應用數學系	Compact Hankel operators and AAK theorem (2)	理4011 南區理論中心	黃毅青
22	科學計算	2005/12/13 (Tue,二)	16:10~17:00	Prof. Jim Douglas	Purdue University, U.S.A.	Recent Developments Related to Locally Conservative Eulerian-Lagrangian Methods for Semilinear Parabolic Equations	理4011 南區理論中心	
23	分析	2005/12/19 (Mon,一)	17:10~18:00	白重京 博士 Bui Trong, Kien	中山大學應用數學系	On the solution existence of generalized quasi-variational inequalities (1)	理4009-1 南區理論中心	黃毅青
24	組合數學	2005/12/20 (Tue,二)	15:10~16:00	Prof. Douglas West	University of Illinois at Urbana-Champaign	Induced Turan Problem: Largest $P_m$ -free graphs with bounded degree	理4011 南區理論中心	朱緒鼎
25	組合數學	2005/12/23 (Fri,五)	16:10~17:00	Prof. Claude Tardif	Royal Military College	A characterization of digraphs with finitary duality	理4009-1 南區理論中心	朱緒鼎
26	分析	2005/12/26 (Mon,一)	16:10~17:00	何宗軒 教授	中山大學應用數學系	Compact Hankel operators and AAK theorem (3)	理4011 南區理論中心	黃毅青
27	分析	2005/12/26 (Mon,一)	17:10~18:00	白重京 博士 Bui Trong, Kien	中山大學應用數學系	On the solution existence of generalized quasi-variational inequalities (2)	理4011 南區理論中心	黃毅青
28	組合數學	2005/12/27 (Tue,二)	10:10~12:00	Prof. Claude Tardif	Royal Military College	The fractional chromatic number of the product of graphs	理4013 南區理論中心	朱緒鼎
29	分析	2005/12/30 (Fri,五)	15:10~16:00	虞言林教授	蘇州大學	Atiyh-Singer Index Theorem	理4027 南區理論中心	黃毅青
30	分析	2006/01/02 (Mon,一)	16:10~17:00	何宗軒 教授	中山大學應用數學系	Compact Hankel operators and AAK theorem (4)	理4011 南區理論中心	黃毅青
31	分析	2006/01/02 (Mon,一)	17:10~18:00	黃毅青 教授	中山大學應用數學系	The No Trade Principle in General Environments – a functional analysis approach	理4011 南區理論中心	黃毅青
32	組合數學	2006/01/05 (Thu,四)	16:10~17:00	黃光明教授 Frank Hwang	理論科學研究中心講座教授	Graph searching and pooling designs	理4009-1 南區理論中心	朱緒鼎

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33	微分方程	2006/01/06 (Fri,五)	16:10~17:00	蔡英士教授 Yung-Sze Choi	Dept. of Math., University of Connecticut	A Traveling Domain Solution	理4013 南區理 論中心	羅春光
34	組合數學	2006/01/13 (Fri,五)	11:10~12:00	Prof. Andre Raspaud	Bordeaux University 1, France	Shortest cycle cover	理4009-1 南區理 論中心	朱緒鼎
35	離散數學	2006/02/08 (Wed,三)	14:10~15:00	楊大慶 教授	福州大學軟件學院	Very asymmetric marking game on graphs	理4009-1 南區理 論中心	朱緒鼎
36	離散數學	2006/02/09 (Thu,四)	14:10~15:00	林文松 教授	東南大學數學系	L(d,1)-labeling of graphs	理4009-1 南區理 論中心	朱緒鼎
37	離散數學	2006/02/10 (Fri,五)	14:10~15:00	楊大慶 教授	福州大學軟件學院	Asymmetric marking game on chordal graphs and line graphs	理4009-1 南區理 論中心	朱緒鼎
38	離散數學	2006/02/10 (Fri,五)	15:10~16:00	林文松 教授	東南大學數學系	Multicoloring and Mycielski constrction	理4009-1 南區理 論中心	朱緒鼎
39	離散數學	2006/02/15 (Wed,三)	15:10~16:00	楊大慶 教授	福州大學軟件學院	Orderings on graphs and game coloring number	理4009-1 南區理 論中心	朱緒鼎
40	離散數學	2006/02/16 (Thu,四)	14:10~15:00	林文松 教授	東南大學數學系	Coloring of distance graphs	理4009-1 南區理 論中心	朱緒鼎
41	離散數學	2006/03/02 (Thu,四)	16:10~17:00	盧賽爾博士生 Nicolas Roussel	中山大學應用數學系	Circular chromatic number of sparse graphs	理4027 南區理 論中心	朱緒鼎
42	分析	2006/03/09 (Thu,四)	14:00~17:00	Prof. Nguyen Dong Yen	Institute of Math., Vietnamese Academy of Science and Technology	Coderivatives of multifunctions and applications	理4011 南區理 論中心	姚任之
43	微分方程	2006/03/17 (Fri,五)	14:10~15:00	Prof. Vyacheslav Pyvovarchyk	South-Ukrainian State Pedagogical University (Odessa), Ukraine	Inverse Sturm-Liouville problems on graphs	理4009-1 南區理 論中心	羅春光
44	微分方程	2006/03/17 (Fri,五)	15:30~16:30	Prof. Vyacheslav Pyvovarchyk	South-Ukrainian State Pedagogical University (Odessa), Ukraine	Inverse Sturm-Liouville problem with Dirichlet boundary conditions for a star-shaped graph	理4009-1 南區理 論中心	羅春光
45	離散數學	2006/03/23 (Thu,四)	16:10~17:00	潘志實 博士 Zhishi Pan	中山大學應用數學系	Mutiple coloring of generalized Mycielski graphs	理4009-1 南區理 論中心	朱緒鼎
46	分析	2006/03/28 (Tue,二)	14:00~17:00	Prof. Nguyen Dong Yen	Institute of Math., Vietnamese Academy of Science and Technology	Unbounded components in the solution sets of strictly quasiconcave vector maximization problems	理4009-1 南區理 論中心	姚任之
47	離散數學	2006/04/07 (Fri,五)	16:10~17:00	張福基 教授	廈門大學數學學院	Links and cubic 3-polytope	理4011 南區理 論中心	朱緒鼎
48	微分方程	2006/04/13 (Thu,四)	14:10~15:00	Prof. Vladimir Romanov	Sobolev Institute of Mathematics, Novosibirsk	Stability estimate in two-dimensional inverse problem for the elasticity equations	理4009-1 南區理 論中心	羅春光
49	科學計算	2006/04/27 (Thu,四)	15:10~17:00	呂濤 教授	四川大學數學院	高效解多維問題的分裂 外推法 (I)	理4009-1 南區理 論中心	

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50	離散數學	2006/04/28 (Fri,五)	14:10~15:00	Prof. Tian-Xiao He	Dept. of Math. and Computer Science, Illinois Wesleyan University, USA	Abel-Gontscharoff-Gould's Polynomials	理4011 南區理 論中心	朱緒鼎
51	科學計算	2006/05/03 (Wed,三)	16:10~18:00	呂濤 教授	四川大學數學院	高效解多維問題的分裂 外推法 (II)	理4009-1 南區理 論中心	李子才 羅春光
52	分析	2006/05/05 (Fri,五)	14:10~15:00	蔣永延 教授	中山大學應用數學系	Seminars in Jordan structures (1)	理4009-1 南區理 論中心	姚任之
53	數學組	2006/05/05 (Fri,五)	16:10~17:00	曾六川 教授	上海師範大學數學系	Mixed projection methods for systems of variational inequalities	理4009-1 南區理 論中心	姚任之
54	科學計算	2006/05/11 (Thu,四)	15:10~17:00	呂濤 教授	四川大學數學院	高效解多維問題的分裂 外推法 (III)	理4009-1 南區理 論中心	李子才 羅春光
55	數學組	2006/05/08 (Mon, 一)	16:10~17:00	王長鈺 教授	山東曲阜師範大學運 籌研究所	約束最優化問題的近似 增廣Lagrangian 方法及其 應用	理4013 南區理 論中心	姚任之
56	分析	2006/05/09 (Tue,二)	11:10~12:00	蔣永延 教授	中山大學應用數學系	Seminars in Jordan structures (2)	理0009 南區理 論中心	黃毅青
57	分析	2006/05/18 (Thu,四)	14:10~15:00	蔣志祥 教授	陸軍官校管理科學系	Seminars in Jordan structures (3)	理4013 南區理 論中心	黃毅青
58	分析	2006/05/24 (Wed,三)	16:10~17:00	李志光 教授	College of William and Mary, USA	Upper norm bounds for the sum of operators	理4009-1 南區理 論中心	黃毅青
59	分析	2006/06/01 (Thu,四)	14:10~15:00	蔣志祥 教授	陸軍官校管理科學系	Seminars in Jordan structures (4)	理4011 南區理 論中心	黃毅青
60	分析	2006/06/09 (Fri,五)	16:10~17:00	蔡宗彰 博士 生	中山大學應用數學系	Seminars in Jordan structures (5)	理4009-1 南區理 論中心	黃毅青
61	分析	2006/06/21 (Wed,三)	16:10~17:00	蔣永延 教授	中山大學應用數學系	Seminars in Jordan structures (6)	理4009-1 南區理 論中心	黃毅青
62	分析	2006/06/26 (Mon,一)	11:10~12:00	蔡宗彰 博士 生	中山大學應用數學系	Seminars in Jordan structures (7)	理4011 南區理 論中心	姚任之
63	分析	2006/06/28 (Wed,三)	15:10~16:00	何宗軒 教授	中山大學應用數學系	Constants with respect to shifts	理4011 南區理 論中心	姚任之

**國立中山大學應用數學系**  
**95 學年書報討論演講一覽表**

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
1	統計組	2006/09/21 (Thu,四)	15:30~16:30	Prof. Narayanaswamy Balakrishnan	Dept. of Mathematics and Statistics, McMaster University, Canada	Generalized Gamma Frailty Model and Applications	理4009-1	羅夢娜
2	科學計算	2006/10/12 (Thu,四)	16:30~17:30 視訊演講	Prof. Stanley Osher	Dept. of Mathematics,UCLA, U.S.A. (美國加州大 學洛杉磯分校數學 系)	Mathematics in the Real World and the Fake World (真實世界和虛擬世界 中的數學)(本演講與香 港浸會大學視訊連線)	圖資大樓1樓視 訊會議室	呂宗澤
3	科學計算	2006/10/13 (Fri,五)	16:00~17:30 視訊演講	Prof. Stanley Osher	Dept. of Mathematics,UCLA, U.S.A. (美國加州大 學洛杉磯分校數學 系)	Bregman Iteration, Inverse Scale Space, Cartoon/Texture Decomposition, Recovery of Signal from "Noise" and Other New Techniques in PDE Based Image Restoration. (本 演講與香港浸會大學 視訊連線)	圖資大樓1樓視 訊會議室	呂宗澤
4	科學計算	2006/10/19 (Thu,四)	15:30~16:30	陳旻宏 教授	成功大學數學系	Discontinuous Galerkin Methods	理4009-1	李子才
5	統計組	2006/10/26 (Thu,四)	14:10~15:00	Prof. Kashinath Chatterjee	Department of Statistics, Visva-Bharati University, Santiniketan, India	$E(s^2)$ -optimal supersaturated designs for 2-level factors	理4009-1	羅夢娜
6	數學組	2006/10/31 (Tue,二)	14:10~15:00	梁浩瀚 教授 Denny Leung	新加坡大學數學系 (National University of Singapore)	Subspaces of Banach spaces	理4009-1 數學中 心	黃毅青
7	數學組	2006/11/02 (Thu,四)	14:10~15:00	梁浩瀚 教授 Denny Leung	新加坡大學數學系 (National University of Singapore)	Functions of Baire Class One	理4009-1 數學中 心	黃毅青
8	數學組	2006/11/07 (Tue,二)	15:10~16:00	梁浩瀚 教授 Denny Leung	新加坡大學數學系 (National University of Singapore)	Ordinal Indices and Spreading Models in Banach Spaces	理4009-1 數學中 心	黃毅青
9	數學組	2006/11/09 (Thu,四)	14:10~15:00	梁浩瀚 教授 Denny Leung	新加坡大學數學系 (National University of Singapore)	Polyhedral Banach spaces	理4009-1 數學中 心	黃毅青
10	科學計算	2006/11/10 (Fri,五)	16:10~17:00	陳慈芬 教授	中正大學數學系	Adaptive least squares finite element approximations	理4009-1	李子才
11	數學組	2006/11/16 (Thu,四)	15:30~16:30	吳志揚 教授	中正大學數學系	A discrete differential theory for triangular meshes (本演講與香港 浸會大學視訊連線)	理4009-1	黃毅青
12	科學計算	2006/11/21 (Tue,二)	16:10~17:00	Prof. Alexan d H.-D. Cheng	Dept. of Civil Engineering, University of Mississippi, MS, U.S.A.	Error Estimate, Optimal Shape Factor, and High Precision Computation of Multiquadric Collocation Method--With an Overview of Collocation Methods	理4011	李子才
13	統計組	2006/11/23 (Thu,四)	14:10~15:00	廖振鐸 教授	台灣大學農藝系	Statistical Designs for Two-Color Spotted Microarray Experiments	理4009-1	羅夢娜
14	統計組	2006/11/23 (Thu,四)	15:30~16:30	蔡風順 教授	中央研究院統計所	Statistical Designs for Two-Color Microarray Experiments Involving Technical Replication	理4009-1	羅夢娜



序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
15	科學計算	2006/11/30 (Thu,四)	15:30~16:30	Prof. Nguyen Dong Yen	Institute of Mathematics, Vietnamese Academy of Science and Technology	On some solution methods for pseudomonotone variational inequalities	理4009-1	李子才
16	統計組	2006/12/05 (Tue,二)	14:10~15:00	Prof. Tao Li	Dept of Math., Statistics and CS, St. Francis Xavier University, Canada	Ordered ranked set samples and applications to statistical inference	理4009-1	羅夢娜
17	數學組	2006/12/07 (Thu,四)	15:30~16:30	林來居 教授	彰化師範大學數學系	Systems of variational inclusions problems and variational differential inclusions problems with applications	理4009-1	徐洪坤
18	統計組	2006/12/14 (Thu,四)	14:10~15:00	寇星昌 教授 Shingchang Samuel Kou	Department of Statistics, Harvard University, U.S.A.	Equi-energy sampler: From statistical inference to statistical mechanics	理4009-1	羅夢娜
19	統計組	2006/12/19 (Tue,二)	14:10~15:00	白志東 教授 Zhi Dong Bai	新加坡國立大學統計與應用概率系	Rounded data analysis in time series models (I) & (II)	理4009-1	羅夢娜
20	統計組	2006/12/21 (Thu,四)	14:10~15:00	蔣岳亨 博士 Yuch-Hung Chiang	Eli Lilly and Company	Overview of Statistical Research in the Pharmaceutical Industry	理4009-1	羅夢娜
21	數學組	2006/12/21 (Thu,四)	14:10~15:10	魏軍城 教授 Juncheng Wei	香港中文大學數學系	On an elliptic problem with negative supercritical nonlinearity	理4013	羅春光
22	科學計算	2006/12/21 (Thu,四)	15:30~16:30	羅主斌 教授	靜宜大學應數系	Heart Modelling: From Single Cell to Whole Heart	理4009-1	李子才
23	數學組	2006/12/25 (Mon,一)	15:10~16:00	陳其誠 教授	台灣大學數學系	Discrete logarithm on Elliptic curves	理4027	黃毅青
24	數學組	2007/01/12 (Fri,五)	15:10~16:00	黃皇男 教授 Huang-Nan Huang	東海大學數學系	On the 2-by-2 spectral Nevanlinna-Pick Interpolation problem	理4009-1	黃毅青
25	科學計算	2007/01/17 (Wed,三)	15:30~16:30	Prof. Thomas Russell	Division of mathematical sciences, National Science Foundation, USA	Adjoint methods are particle methods: Implications for Eulerian-Lagrangian modeling of multiphase multicomponent transport	理4009-1 數學中心	黃杰森
26	科學計算	2007/01/19 (Fri,五)	10:10~11:00	Prof. Thomas Russell	Division of mathematical sciences, National Science Foundation, USA	The U.S. National Science Foundation and its Division of Mathematical Sciences	理4009-1 數學中心	黃杰森
27	科學計算	2007/02/06 (Tue,二)	15:30~16:30	常謙順 教授	中國科學院應用數學所	A robust algorithm for total variation deblurring and denoising	理4009-1	呂宗澤
28	所有組別	2007/03/01 (Thu,四)	15:30~16:30	黃杰森 教授	應用數學系	1. 圖書館英文自學系統 2. Database 簡介(與應數系相關)	圖書館4 樓視聽 室	羅夢娜
29	統計組	2007/03/15 (Thu,四)	14:10~15:00	史玉山 教授	中正大學統計研究所	Variable selection methods for regression trees	理4009-1	張福春
30	數學組	2007/03/15 (Thu,四)	15:30~16:30	陳界山 教授	台灣師範大學數學系	Recent developments in NCP and SOCCP	理4009-1	徐洪坤
31	統計組	2007/03/29 (Thu,四)	14:10~15:00	陳美如 博士	彰化師範大學數學系	Proportional three-person red-andblack games	理4009-1	張福春

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
32	所有組別	2007/04/13 (Fri,五)	16:10~17:00	李俊德博士 Chun-Te Lee	Mathematical Institute, St Catherine's College, University of Oxford, UK	Multi-soliton solution of the two-mode KdV equation	理4009-1	呂宗澤
33	所有組別	2007/04/17 (Tue,二)	15:30~16:30	楊敏生教授 Miin-Shen Yang	中原大學應用數學 系	A Similarity-Based Robust Clustering Method	理4009-1	徐洪坤
34	統計組	2007/04/19 (Thu,四)	14:10~15:00	張源俊教授	中央研究院統計科 學研究所	Sequential Methods for Analyzing Case-Control Longitudinal Data	理4009-1	張福春
35	所有組別	2007/04/23 (Mon,一)	16:10~17:00	劉樹忠教授 Shu-Chung Liu	中國科技大學通識 教育中心	On the Congruences of Combinatorial Numbers	理4011	朱緒鼎
36	所有組別	2007/04/24 (Tue,二)	15:30~16:30	鄭文巧博士 Wen-Chiao Cheng	中正大學數學系	Variational principle for entropy invariants	理4009-1	徐洪坤
37	數學組	2007/04/27 (Fri,五)	16:10~17:00	Prof. Hari Mohan Srivastava	Dept. of Mathematics and Statistics, University of Victoria, Canada	Some Families of Extended Hypergeometric and Confluent Hypergeometric Functions	理4011	徐洪坤
38	統計組	2007/05/17 (Thu,四)	14:10~15:00	陳婉淑教授 Cathy W. S. Chen	逢甲大學統計與精 算研究所	Inference and percentile forecasting with asymmetric smooth transition heteroskedastic models	理4009-1	張福春
39	科學計算	2007/05/18 (Fri,五)	16:10~17:00	陸林天教授 Lin-Tian Luh	靜宜大學應用數學 系	A Simple Introduction and Recent Development of RBF	理4011	呂宗澤
40	數學組	2007/05/24 (Thu,四)	16:10~17:00	吳少雄教授 Prof. Siu-Hung Ng	Iowa State University, USA	Counting the number of solutions in a finite group and invariants of tensor categories	理4009-1	黃毅青
41	數學組	2007/06/07 (Thu,四)	16:35~17:15	陳仁純教授 Ren-Chuen Chen	高雄師範大學數學 系	An Iterative Method for Finite Element Solutions of the Nonlinear Poisson-Boltzmann Equation	理4009-1	徐洪坤
42	統計組	2007/06/28 (Thu,四)	14:20~16:00	Prof. Wolfgang Hardle	Center for Applied Statistics and Economics, Humboldt-Universitat zu Berlin, Germany	1. Inhomogeneous Dependency Modelling with Time Varying Copulae 2. Time Series Modelling with Semiparametric Factor Dynamics	理4009-1	郭美惠
43	數學組	2007/06/29 (Fri,五)	11:10~12:00	Prof. Xing-Hua WANG	Dept. of Mathematics, Zhejiang University, Hangzhou, China	Algebraic combinatory and computational mathematics	理4011-2	徐洪坤
44	數學組	2007/06/29 (Fri,五)	14:10~15:00	Prof. Dan-Fu HAN	Dept. of Mathematics, Zhejiang University, Hangzhou, China	Bivariate splines of various degrees for numerical solution of partial differential equations	理4011-2	徐洪坤
45	統計組	2007/07/02 (Mon,一)	10:30~12:20	吳建福教授 中央研究院院士 美國國家工程 院院士	School of Industrial and Systematic Engineering, Georgia Institute of Technology, U.S.A., Coca-Cola Chair in Engineering Statistics	Bayesian Hierarchical Modeling for Integrating Low-accuracy and High-accuracy Experiments	理4009-1	羅夢娜

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
46	統計組	2007/07/06 (Fri,五)	14:10~15:00	陳蔓樺 博士生 Man-Hua Chen	Dept. of Statistics, University of Missouri-Columbia, U.S.A.	The proportional odds model for multivariate interval-censored failure time data	理4011	郭美惠
47	科學計算	2007/07/17 (Tue,二)	14:10~15:00	Prof. Todd Arbogast	Dept. of Mathematics, The University of Texas at Austin, USA	Multiscale computational techniques for second order elliptic problems.(I)	理4009-1 數學中 心	黃杰森
48	科學計算	2007/07/17 (Tue,二)	15:30~16:30	Prof. Todd Arbogast	Dept. of Mathematics, The University of Texas at Austin, USA	Multiscale computational techniques for second order elliptic problems. (II)	理4009-1 數學中 心	黃杰森
49	科學計算	2007/07/25 (Wed.,三)	14:10~15:00	Prof. Todd Arbogast	Dept. of Mathematics, The University of Texas at Austin, USA	Modeling flow and transport in vuggy porous media (I)	理4009-1 數學中 心	黃杰森
50	科學計算	2007/07/25 (Wed.,三)	15:30~16:30	Prof. Todd Arbogast	Dept. of Mathematics, The University of Texas at Austin, USA	Modeling flow and transport in vuggy porous media (II)	理4009-1 數學中 心	黃杰森

南區國家理論科學研究中心  
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95 學年 演講一覽表

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
1	分析	2006/08/08 (Tue,二)	14:10~15:00	林欽誠 教授	中央大學數學系	Algebra of Calderón-Zygmund operators associated to para-accretive functions	理4009-1 南區理論中心	黃毅青
2	分析	2006/08/08 (Tue,二)	15:10~16:00	劉和平 教授 Heping Liu	北京大學數學系	Schrödinger Operators on the Heisenberg Group	理4009-1 南區理論中心	黃毅青
3	分析	2006/08/10 (Thu,四)	14:10~16:00	Prof. Wieslaw Zelazko	Mathematical Institute of the Polish Academy of Sciences, Poland	Some recent results on linear operators on the sequence spaces	理4013 南區理論中心	黃毅青
4	分析	2006/08/17 (Thu,四)	14:10~15:00	Prof. Wieslaw Zelazko	Mathematical Institute of the Polish Academy of Sciences, Poland	Open problems and recent results on F-algebras	理4011 南區理論中心	黃毅青
5	數學	2006/10/13 (Fri,五)	11:10~12:00	Prof. Yakov Alber	Dept. of Math., Technion-Isreal Institute of Technology, Isreal	Decompositions in Banach spaces	理4011-2 南區理論中心	姚任之
6	數學	2006/10/16 (Mon,一)	11:10~12:00	Prof. Yakov Alber	Dept. of Math., Technion-Isreal Institute of Technology, Isreal	Decompositions of Banach spaces	理4011-2 南區理論中心	姚任之
7	微分方程	2006/10/20 (Fri,五)	14:10~16:00	陳兆年 教授	彰化師範大學數學系	Seminar in Differential Equations: Some aspects of nonlinear Sturm-Liouville equations	理4013 南區理論中心	羅春光 研討會
8	離散數學	2006/10/24 (Tue,二)	15:10~16:00	晏衛根 教授 Weigen Yan	集美大學理學院, 福建, China	Counting perfect matchings of cylinders	理4009-1 南區理論中心	朱緒鼎
9	離散數學	2006/10/24 (Tue,二)	16:10~17:00	吳憲遠 教授 Xianyuan Wu	首都師範大學數學系,北京, China	Percolation : An Introduction	理4009-1 南區理論中心	朱緒鼎
10	離散數學	2006/10/27 (Fri,五)	16:10~17:00	林子波 教授 Peter Che Bor Lam	東海大學數學系	Coloring problems of graphs	理4009-1 南區理論中心	朱緒鼎
11	數學	2006/11/02 (Thu,四)	11:10~12:00	丁協平 教授 Xieping Ding	四川師範大學數學與軟件科學學院	Maximal elements of $SG\_KKM$ majorized mappings in product FC-spaces and applications (I)	理4011-2 南區理論中心	姚任之
12	微分方程	2006/11/03 (Fri,五)	14:10~15:00	吳宗芳 教授	高雄大學應用數學系	Seminar in Differential Equations: On the semilinear elliptic equations involving concave-convex nonlinearities	理4013 南區理論中心	羅春光 研討會
13	微分方程	2006/11/03 (Fri,五)	15:30~16:20	洪盟凱 教授	中央大學數學系	Seminar in Differential Equations: The existence of global lipschitz continuous solutions to a class of quasilinear wave equations	理4013 南區理論中心	羅春光 研討會

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
14	微分方程	2006/11/17 (Fri,五)	14:10~16:00	林琦焜 教授	交通大學應用數學系	Seminar in Differential Equations: From Riemann-Lebesgue Lemma to homogenization	理4013 南區理論中心	羅春光 研討會
15	分析	2006/11/24 (Fri,五)	16:10~17:00	黃毅青 教授	中山大學應用數學系	Bornology and uniformity in locally convex spaces	理4013 南區理論中心	黃毅青
16	分析	2006/11/28 (Tue,二)	16:10~17:00	何宗軒 教授	中山大學應用數學系	Operators that commute with slant Toeplitz operators	理4009-1 南區理論中心	黃毅青
17	離散數學	2006/12/06 (Wed,三)	16:10~17:00	王彩蓮 教授	中山大學應用數學系	Circular choosability via Combinatorial Nullstellensatz	理4013 南區理論中心	朱緒鼎
18	微分方程	2006/12/08 (Fri,五)	14:10~16:00	林琦焜 教授	交通大學應用數學系	Seminar in Differential Equations: Homogenization of differential equations	理4013 南區理論中心	羅春光 研討會
19	分析	2006/12/12 (Tue,二)	14:10~15:00	何宗軒 教授	中山大學應用數學系	Operators that commute with slant Toeplitz operators II	理4009-1 南區理論中心	黃毅青
20	離散數學	2006/12/14 (Thu,四)	15:10~16:00	周頌平 教授 Song-Ping Zhou	Zhejiang Sci-Tech University, China	The history of converges problems of Fourier series and the ultimate generalization of monotonicity	理4009-1 南區理論中心	朱緒鼎
21	離散數學	2006/12/14 (Thu,四)	16:10~17:00	葉永南 教授	中央研究院數學所	The determinants of q-distance matrices of trees and two quantities relating to permutations	理4009-1 南區理論中心	朱緒鼎
22	微分方程	2006/12/19 (Tue,二)	16:10~17:00	鄒軍 教授 Jun Zou	香港中文大學數學系	Numerical methods for solving inverse problems	理4009-1 南區理論中心	羅春光
23	分析	2006/12/26 (Tue,二)	14:10~15:00	何宗軒 教授	中山大學應用數學系	Operators that commute with slant Toeplitz operators III	理4009-1 南區理論中心	黃毅青
24	微分方程	2006/12/29 (Fri,五)	14:10~16:00	羅春光 教授	中山大學應用數學系	Seminar in Differential Equations: Titchmarsh-Weyl m-functions and inverse spectral theory (I)	理4013 南區理論中心	羅春光 研討會
25	離散數學	2007/01/09 (Tue,二)	16:10~17:00	Prof. Alexander Kostochka	University of Illinois at Urbana-Champaign, U.S.A., and Sobolev Institute of Math	Extremal problems on packing of sparse graphs	理4013 南區理論中心	朱緒鼎
26	微分方程	2007/01/12 (Fri,五)	14:10~16:00	連偉成 教授	高雄海洋科技大學資管系	Seminar in Differential Equations: Titchmarsh-Weyl m-functions and inverse spectral theory (II)	理4013 南區理論中心	羅春光 研討會
27	離散數學	2007/01/12 (Fri,五)	16:10~17:00	Prof. Alexander Kostochka	University of Illinois at Urbana-Champaign, U.S.A., and Sobolev Institute of Math	Domination in cubic connected graphs	理4009-1 南區理論中心	朱緒鼎

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
28	離散數學	2007/03/14 (Wed,三)	16:10~17:00	Prof. Sergey Norin	Georgia Institute of Technology, USA	Pfaffian orientations of graphs	理4011 南區理論中心	朱緒鼎
29	離散數學	2007/03/16 (Fri,五)	16:10~17:00	Prof. Sergey Norin	Georgia Institute of Technology, USA	Reducibility for the Four-Color theorem	理4011 南區理論中心	朱緒鼎
30	離散數學	2007/03/19 (Mon,一)	16:10~17:00	Prof. Sergey Norin	Georgia Institute of Technology, USA	From chip-firing games to Riemann-Roch theorem in tropical geometry	理4011 南區理論中心	朱緒鼎
31	離散數學	2007/03/22 (Thu,四)	16:10~17:00	Dr. David Cariolaro	中央研究院數學研究所	1-factorization of small graphs by colour exchange	理4009-1 南區理論中心	朱緒鼎
32	離散數學	2007/03/21 (Wed,三)	16:10~17:00	Prof. Peter Horak	University of Washington, Tacoma, USA	On Golomb-Welch conjecture	理4011 南區理論中心	朱緒鼎
33	離散數學	2007/03/28 (Wed,三)	16:10~17:00	Prof. Peter Horak	University of Washington, Tacoma, USA	Extending Latin squares	理4011 南區理論中心	朱緒鼎
34	微分方程	2007/03/30 (Fri,五)	14:10~15:00	吳菁菁 博士	台灣師範大學數學系	Traveling waves in lattice dynamical systems	理4013 南區理論中心	羅春光
35	分析	2007/04/25 (Wed,三)	11:10~12:00	林欽誠 教授	中央大學數學系	Riesz transforms and Fefferman-Stein decomposition	理4009-1 南區理論中心	黃毅青
36	分析	2007/04/25 (Wed,三)	16:10~17:00	林欽誠 教授	中央大學數學系	Carleson measure characterization of $BMO_L(H^n)$	理4011 南區理論中心	黃毅青
37	離散數學	2007/04/25 (Wed,三)	16:10~17:00	Dr. David Cariolaro	中央研究院數學研究所	On the circular chromatic index of cubic graphs	理4013 南區理論中心	朱緒鼎
38	分析	2007/04/26 (Thu,四)	11:10~12:00	燕敦驗 教授	北京中國科學院	Characterizations of multi-knot piecewise linear spectral sequences	理4027 南區理論中心	黃毅青
39	微分方程	2007/05/04 (Fri,五)	16:10~17:00	Prof. Viatcheslav Yurko	Saratov University, Russia	Inverse spectral problems for Sturm-Liouville equations on graphs	理4013 南區理論中心	羅春光
40	分析	2007/05/24 (Thu,四)	15:10~16:00	劉道明 教授 Anthony To-ming Lau	University of Alberta, Canada	Separation and extension properties of positive definite functions on a locally compact group	理4009-1 南區理論中心	黃毅青
41	微分方程	2007/06/15 (Fri,五)	15:10~16:00	譚聯輝 教授 Luen-fai Tam	香港中文大學數學系	Boundary behaviors of compact manifolds and scalar curvature	理4013 南區理論中心	羅春光
42	離散數學	2007/07/05 (Thu,四)	15:10~16:00	林文松 教授 Wensong Lin	東南大學數學系	The strong chromatic index of a class of graphs	理4013 南區理論中心	朱緒鼎
43	離散數學	2007/07/05 (Thu,四)	16:10~17:00	楊大慶 教授 Daqing Yang	福州大學軟件學院	Activation strategy on asymmetric marking games	理4013 南區理論中心	朱緒鼎
44	離散數學	2007/07/18 (Wed,三)	15:10~16:00	楊大慶 教授 Daqing Yang	福州大學軟件學院	Relaxed very asymmetric coloring games	理4013 南區理論中心	朱緒鼎

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
45	離散數學	2007/07/18 (Wed,三)	16:10~17:00	林文松 教授 Wensong Lin	東南大學數學系	L(j; k)-Labelings and L(j; k)-edge-Labelings of graphs	理4013 南區理 論中心	朱緒鼎
46	離散數學	2007/07/21 (Sat.,六)	10:10~11:00	楊大慶 教授 Daqing Yang	福州大學軟件學 院	General coloring numbers, grad, and nonrepetitive colorings of graphs	理4013 南區理 論中心	朱緒鼎
47	離散數學	2007/07/21 (Sat.,六)	11:10~12:00	林文松 教授 Wensong Lin	東南大學數學系	L(2,1)-labeling and Cartesian product of three complete graphs	理4013 南區理 論中心	朱緒鼎
48	離散數學	2007/07/25 (Wed,三)	14:10~15:00	Mr. Louis Esperet	University of Bordeaux I, LaBRI, Talence, France	Frugal Colouring of Graphs	理4011-2 南區理 論中心	朱緒鼎

**國立中山大學應用數學系**  
**96 學年書報討論演講一覽表**

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
1	統計組	2007/09/06 (Thu,四)	14:10~15:00	張中先生 Chung Chang	美國哥倫比亞大 學生物統計系	A Bootstrap Resampling Approach: Tests of Significance on Brain Imaging Data	理4009-1	郭美惠
2	科學計算	2007/09/20 (Thu,四)	14:10~15:00	鄧君豪 教授 Chun-Hao Teng	成功大學數學系	A Legendre Pseudospectral Penalty Scheme for 2D Elastic Wave Computations	理4009-1	李子才
3	統計組	2007/09/27 (Thu,四)	14:10~15:00	白志東 教授 Zhidong Bai	國立新加坡大學 統計暨應用機率 系	How large is large?	理4009-1	郭美惠
4	統計組	2007/10/11 (Thu,四)	14:10~15:00	銀慶剛 教授 Ching-Kang Ing	中央研究院統計 科學研究所	Model selection for high-dimensional regressions	理4009-1	郭美惠
5	科學計算	2007/11/01 (Thu,四)	15:30~16:30	賴明治教授 Ming-Chih Lai	交通大學應用數 學系	An immersed boundary method for interfacial flows with insoluble surfactant	理4009-1	李子才
6	數學組	2007/11/08 (Thu,四)	14:10~15:00	馬柏林 教授 Bolin Ma	湖南大學應用數 學系(數學與計量 經濟學院)	Commutators with Smooth Functions	理4009-1	呂宗澤
7	數學組	2007/11/08 (Thu,四)	15:30~16:30	林欽誠教授 Chin-Cheng Lin	中央大學數學系	Local Hardy-Littlewood Maximal Function	理4009-1	呂宗澤
8	統計組	2007/11/15 (Thu,四)	14:10~15:00	王子真教授	中山大學財務管 理學系	Differential Impacts between the Price-Improved and the Depth-Improved Trades (價格 增益與深度增益對價差衝擊 之異同)	理4009-1	郭美惠
9	科學計算	2007/11/22 (Thu,四)	15:30~16:30	楊立杰 教授 Lih-Jier Young	中華大學應用數 學系	Numerical Solutions of Rough Fracture Surface by Using Boundary Element Method	理4009-1	李子才
10	統計組	2007/11/29 (Thu,四)	15:30~16:30	Prof. Johannes Schneeweiss	Institute of Statistics, University of Munich, Germany	Estimation of a Linear Model in Transformed Variables under Microaggregation by Individual Ranking	理4009-1	郭美惠
11	碩博士生 大學生	2007/12/05 (Wed,三)	16:10~17:00	王福田執行長	亞科架構國際管 理顧問公司	就業輔導講座：企業架構－ 企業的整合力量	理4009-1	呂宗澤
12	數學組	2007/12/06 (Thu,四)	15:10~16:00	Prof. Hari M. Srivastava	Dept. of Mathematics and Statistics, University of Victoria, Canada	Linearization Relations for the Laguerre Polynomials and the Associated Families of Dirichlet Integrals	理4009-1	姚任之
13	數學組	2007/12/06 (Thu,四)	16:10~17:00	Prof. Rekha Srivastava	Dept. of Mathematics and Statistics, University of Victoria, Canada	An Elementary Exposition of Fractional Calculus and its Applications	理4009-1	姚任之
14	所有組別	2007/12/13 (Thu,四)	15:00~17:00	學生論文發表 競賽	96高斯獎學生論 文發表競賽	96高斯獎學生論文發表競賽	理4011理 4009-1	應數系
15	碩博生 大學生	2007/12/14 (Fri,五)	12:30~14:00	田文彥經理	台灣IBM公司軟 體產品處經理 (應數系友-學士84 級,碩士86級)	就業輔導講座：(1) 軟體開發 平台之發展與企業需求 (2) 職場生涯經驗分享	理4009-1	呂宗澤



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16	碩博生 大學生	2007/12/19 (Wed,三)	12:30~14:00	李俊德主任工 程師	聯華電子主任工 程師(應數系友-學 士86級, 碩士88 級)	就業輔導講座: 如何踏出職 場成功的第一步	理4009-1	呂宗澤
17	統計組	2007/12/20 (Thu,四)	14:10~15:00	鄧利源教授 Lih-Yuan Deng	University of Memphis, U.S.A.	Issues on Computer Search for Large Order Multiple Recursive Generators	理4009-1	郭美惠
18	科學計算	2007/12/20 (Thu,四)	14:10~15:00	Prof. C. S. Chen	Dept. of Mathematics, University of Southern Mississippi, U.S.A.	The Method of Fundamental Solutions for Solving Elliptic Partial Differential Equations with Variable Coefficients	理4011	李子才
19	科學計算	2007/12/20 (Thu,四)	15:30~16:30	Prof. Alexander H. D. Cheng	University of Mississippi, U.S.A.	Point Collocation Method—A Powerful Numerical Method	理4011	李子才
20	統計組	2007/12/27 (Thu,四)	15:30~16:30	Prof. Robert W. Chen	Department of Mathematics, University of Miami, USA	On the First Occurrence of Strings	理4009-1	郭美惠
21	統計組	2008/01/03 (Thu,四)	14:10~15:00	Prof. Subrahmanian Panchapakesan	Dept. of Mathematics, Southern Illinois University, Carbondale, USA	Is the selected population the best?	理4009-1 數學中心	張福春
22	科學計算	2008/01/03 (Thu,四)	15:30~16:30	郭岳承教授 Yuen-Chen Kuo	高雄大學應用數 學系	A hyperplane-constrained continuation method for bound states of nonlinear Schrödinger equations	理4009-1	李子才
23	數學組	2008/01/16 (Wed,三)	16:10~17:00	Prof. Pavol Hell	School of Computing Science, Simon Fraser University, Canada	List homomorphisms and minimum cost homomorphisms-Duality v.s. Dichotomy	理40115 年500億	朱緒鼎
24	數學組	2008/01/23 (Wed,三)	16:10~17:00	Prof. Pavol Hell	School of Computing Science, Simon Fraser University, Canada	Digraph list homomorphism problems	理40115 年500億	朱緒鼎
25	統計組	2008/03/06 (Thu,四)	14:10~15:00	李育杰 教授 Yuh-Jye Lee	台灣科技大學資 訊工程系	Nonlinear Dimension Reduction with Kernel Sliced Inverse Regression	理4009-1	郭美惠
26	統計組暨 所有組別	2008/03/06 (Thu,四)	15:10~16:00	謝進見 博士	交通大學統計研 究所	Regression Analysis based on Semi-Competing Risks Data	理4009-1	郭美惠
27	數學組	2008/03/06 (Thu,四)	16:10~17:00	郭忠勝 教授 Jong-Shenq Guo	台灣師範大學數 學系	Motion by Curvature of Planar Curves with Two Free End Points	理4009-1	姚任之
28	統計組暨 所有組別	2008/03/07 (Fri,五)	15:10~16:00	林維鈞 博士 Wei-Jiun Lin	中央大學統計所	Simultaneously Correcting for Population Stratification and for Genotyping Error in Case-Control Association Studies	理4009-1	郭美惠
29	統計組暨 所有組別	2008/03/13 (Thu,四)	14:10~15:00	陳美如 博士 May-Ru Chen	中央研究院統計 所博士後研究員	The subfair red-and-black casino with a house limit	理4009-1	郭美惠
30	統計組	2008/03/20 (Thu,四)	14:10~15:00	蔡偉彥 教授 Wei-Yan Tsai	美國哥倫比亞大 學生物統計系 (Dept. of Biostatistics, Columbia University, U.S.A.)	Proportional Density Ratio Model	理4009-1	郭美惠

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31	統計組	2008/03/20 (Thu,四)	15:10~16:00	Prof. Antony Unwin	Dept. of Computer Oriented Statistics and Data Analysis, Univ. of Augsburg, Germany	Data Visualisation of LARGE data sets. (Or do we mean large?)	理4009-1	郭美惠
32	科學計算	2008/03/20 (Thu,四)	16:10~17:00	黃楓南 教授 Feng-Nan Hwang	中央大學數學系	A tutorial on PETSc, Portable, Extensible, Toolkits for Scientific Computation.	理4011	黃杰森
33	科學計算暨所有組別	2008/03/25 (Tue,二)	16:10~17:00	陳旻宏 教授 Min-Hung Chen	成功大學數學系	High-Order Summation-by-Parts Implicit Difference Operators for Wave Problems	理4009-1	呂宗澤
34	統計組	2008/03/27 (Thu,四)	14:10~15:00	吳英年 教授 Ying Nian Wu	Department of Statistics, UCLA, U.S.A.(美國加州大學洛杉磯分校)	Active Basis Model, Shared Sketch Algorithm, and Sum-Max Maps	理4009-1	郭美惠
35	統計組	2008/03/27 (Thu,四)	15:10~16:00	Prof. Wolfgang Bischoff	Catholic University of Eichstätt-Ingolstadt, Germany	Residual Partial Sums (CuSums) techniques to check models for regression	理4009-1	郭美惠
36	數學組	2008/03/27 (Thu,四)	16:10~17:00	劉家成 教授 Ka-Sing Lau	香港中文大學數學系	Heat kernels on metric measure spaces	理4009-1	黃毅青
37	全體同學	2008/04/02 (Wed,三)	16:00~17:30	畢業系友：1. 王妍榛 小姐2. 張銘宗 先生	主持人：1.呂宗澤主任(應數系)2.梁淑坤老師(教育所)	"97學年度師資培育招生說明會"暨"應數系畢業系友返系座談會"	理4009-1	呂宗澤
38	統計組	2008/04/03 (Thu,四)	14:10~15:00	Prof. Richard Gerlach	Faculty of Economics and Business, University of Sydney, Australia	Dynamic Nonlinear Quantile estimation with the Asymmetric Laplace Distribution	理4009-1	郭美惠
39	統計組暨所有組別	2008/04/03 (Thu,四)	15:10~16:00	林建華 博士 Chien-Hua Lin	清華大學統計研究所博士後研究員	Designing a Stable double MEWMA Controller for drifted MIMO Processes	理4009-1	郭美惠
40	科學計算暨所有組別	2008/04/08 (Tue,二)	16:10~17:00	袁淵明 教授 Juan-Ming Yuan	靜宜大學應用數學系	Nonlinear Water Waves: Experiments, Mathematical Models and Numerical Simulations	理4009-1	黃杰森
41	統計組暨所有組別	2008/04/10 (Thu,四)	14:10~15:00	李全濱、洪宛頻、許湘伶、黃士峰、洪丞輝	中山大學應用數學系博士生	研究生出國交流訪問經驗	理4009-1	郭美惠
42	科學計算	2008/04/10 (Thu,四)	15:30~16:30	陳晴玉 教授 Ching-Yu Chen	高雄大學應用數學系	Modelling the outbreak of infectious disease following mutation from a non-transmissible strain	理4009-1	黃杰森
43	數學組	2008/04/14 (Mon,一)	16:10~17:00	李秋坤 教授 Tsiu-Kwen Lee	台灣大學數學系	On Irreducible and Transitive Subalgebras in Matrix Algebras	理4009-1	王彩蓮
44	統計組	2008/04/24 (Thu,四)	15:30~16:30	周元燊 院士 Y. S. Chow	國立成功大學統計系	On Hsu-Robbins-Erdős Theorem	理4009-1	郭美惠
45	數學組	2008/04/29 (Tue,二)	16:10~17:00	韓永生 教授 Yongsheng Han	Dept of Mathematics, Auburn University, U.S.A.	Calderon-Zygmund Theory and its Applications	理4009-1	姚任之

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
46	數學組	2008/05/01 (Thu,四)	16:10~17:00	劉道明 教授 Anthony To-Ming Lau	Dept. of Mathematics, University of Alberta, Canada	Fixed point property and the Fourier algebra of a locally compact group	理4009-1 數學中心	黃毅青
47	數學組	2008/05/02 (Fri,五)	10:10~12:00	劉道明 教授 Anthony To-Ming Lau	Dept. of Mathematics, University of Alberta, Canada	Mini-Course in Fourier Algebras, I	理4013數 學中心	黃毅青
48	科學計算	2008/05/08 (Thu,四)	15:30~16:30	張勝麟 教授 Shing-Lin Chang	南台科技大學 通 識教育中心	An adaptive multigrid scheme for computing superfluid densities of Bose-Einstein condensates in a periodic potential	理4011	呂宗澤
49	數學組	2008/05/09 (Fri,五)	10:10~12:00	劉道明 教授 Anthony To-Ming Lau	Dept. of Mathematics, University of Alberta, Canada	Mini-Course in Fourier Algebras, II	理4013數 學中心	黃毅青
50	數學組	2008/05/13 (Tue,二)	16:10~17:00	顧沛 教授 Prof. Pei GU	Nankai University, China(天津南開大 學數學系)	數學學科專業的發展態勢— 大陸數學學科專業的現狀和 前景	理4009-1	徐洪坤
51	統計組	2008/05/15 (Thu,四)	14:10~15:00	Prof. Arjun K. Gupta	Bowling Green State University, Ohio, USA	Robustness of Certain Normal Theory Results	理4009-1	郭美惠
52	數學組	2008/05/20 (Tue,二)	16:10~17:00	韓傳祥 教授 Chuan-Hsiang Han	清華大學計量財 務金融學系	Credit Risk Modeling, Computation and Analysis	理4009-1	徐洪坤
53	科學計算	2008/05/22 (Thu,四)	14:10~15:00	余瑞琳 教授 Jui-Ling Yu	靜宜大學應用數 學系	A fully explicit optimal time-stepping method for solving reaction-diffusion-chemotaxis systems	理4009-1	黃杰森
54	數學組暨 所有組別	2008/05/23 (Fri,五)	16:10~17:00	吳欣諺 教授	崇仁醫護管理專 科學校護理科	Certain Fundamental Congruences on Semigroups	理4009-1	呂宗澤
55	科學計算 暨所有組 別	2008/05/27 (Tue,二)	16:10~17:00	黃國璽 博士 Kuo-Si Huang	中山大學資訊工 程系	Algorithms for the Merged and the Mosaic LCS Problems (融合與嵌合序列問題及其 演算法)	理4009-1	呂宗澤
56	科學計算 暨所有組 別	2008/05/30 (Fri,五)	16:10~17:00	林英志 博士 Ying Chih Lin	清華大學資訊工 程學系	Algorithmic Aspect of Some Combinatorial Problems in Genome Rearrangement	理4009-1	呂宗澤
57	統計組	2008/06/12 (Thu,四)	14:10~15:00	蘇家培 教授 Mike Ka Pui SO	Dept. of Info. & Systems Management, The Hong Kong University of Science and Technology	Multivariate GARCH Models with Correlation Clustering	理4009-1	郭美惠
58	科學計算	2008/06/12 (Thu,四)	15:30~16:30	劉玫豐 教授 Mei-Feng Liu	義守大學應用數 學系	Physics and Mathematics of Bending Problem for Magneto-Electro-Elastic Plates	理4009-1	黃杰森
59	數學組	2008/06/19 (Thu,四)	15:10~16:00	林來居 教授 Lai-Jiu Lin	彰化師範大學數 學系	Existence theorems for variational inclusion problems and the set-valued vector Ekeland variational principle in a complete metric space	理4009-1	姚任之
60	數學組	2008/06/19 (Thu,四)	16:10~17:00	Prof. Pham Huu Sach	Hanoi Institute of Mathematics, Hanoi, Vietnam	Sensitivity Results for a General Class of Generalized Vector Quasi-Equilibrium Problems with Set-Valued Maps	理4009-1	姚任之

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
61	統計組	2008/06/20 (Fri,五)	11:10~12:00	Distinguished Prof. Krishna B. Athreya	Dept. of Statistics & Dept. of Mathematics, Iowa State University, U.S.A.	Entropy and martingale	理4009-1	郭美惠
62	統計組	2008/06/24 (Tue,二)	11:10~12:00	陳木法 院士	北京師範大學數 學科學學院 (Beijing Normal University)	Starting from the first eigenvalue	理4009-1	郭美惠
63	數學組	2008/07/07 (Mon,一)	16:10~17:00	張德健 教授 Der-Chen Chang	Dept. of Mathematics, Georgetown University, U.S.A.	On $\overline{\partial}$ -Neumann problem	理4013	姚任之
64	統計組	2008/07/16 (Wed,三)	11:10~12:00	凌美秀 博士 Mei-Hsiu Ling	Novartis Pharmaceutical Corporation, Clinical Information Sciences Department	A conversation - statistics and drug development	理4009-1	呂宗澤

南區國家理論科學研究中心  
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序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
1	離散數學	2007/08/01 (Wed,三)	14:10~15:00	Mr. Louis Esperet	University of Bordeaux I, LaBRI, Talence, France	On circle graphs with girth at least five	理4011-2 南區理論 中心	朱緒鼎
2	統計離散 數學	2007/08/06 (Mon,一)	16:10~17:00	黃啓南 教授 Kainam Thomas Wong	Hong Kong Polytechnic University	"Geometric Modeling" of the Wireless-Communication Channel	理4009-1 南區理論 中心	郭美惠 朱緒鼎
3	離散數學	2007/08/17 (Fri,五)	16:10~17:00	王毅 教授	大連理工大學應用 數學系	Some recent results on unimodality	理4009-1 南區理論 中心	朱緒鼎
4	微分方程	2007/08/31 (Fri,五)	11:10~16:30	Prof. Eiji Yanagida	Mathematics Institute, Tohoku University, Sendai, Japan	1. Background and Formulation 2. The case of a single junction 3. The case of multiple junctions	理4009-1 南區理論 中心	羅春光
5	分析	2007/09/13 (Thu,四)	15:30~16:30	龔循華 教授 Xunhua Gong	南昌大學數學系	Vector equilibrium problems (I)	理4011-2 南區理論 中心	姚任之
6	分析	2007/09/14 (Fri,五)	15:30~16:30	龔循華 教授 Xunhua Gong	南昌大學數學系	Vector equilibrium problems (II)	理4011-2 南區理論 中心	姚任之
7	離散數學	2007/10/19 (Fri,五)	16:10~17:00	周雲雄 教授 Yunshyong Chow	中央研究院數學研 究所	Some Results on a Heat Conduction Problem by Myshkis	理4011 南區理論 中心	朱緒鼎
8	離散數學	2007/10/25 (Thu,四)	16:10~17:00	Prof. Mark Rosenfeld	Computer Science, Computing and Software Systems Program University of Washington Tacoma, U.S.A.	"Elementary" problems in Discrete Geometry	理4009-1 南區理論 中心	朱緒鼎
9	離散數學	2007/10/29 (Mon,一)	16:10~17:00	Prof. Mark Rosenfeld	Computer Science, Computing and Software Systems Program University of Washington Tacoma, U.S.A.	Variations on a Hamiltonian theme	理4011-2 南區理論 中心	朱緒鼎
10	離散數學	2007/11/22 (Thu,四)	14:10~15:00	黃起常 教授 Chi Song Wong	University of Windsor, Windsor, Ontario, Canada	Optimal Designs for Correlated Random Variables	理4009-1 南區理論 中心	羅夢娜 朱緒鼎
11	離散數學	2007/11/19 (Mon,一)	17:10~18:00	張定邦 博 士生 Din-Pang Chang	中山大學應用數學 系	A note on graphs with prescribed complete coloring numbers	理4013 南區理論 中心	朱緒鼎
12	離散數學	2007/11/26 (Mon,一)	17:10~18:00	王鴻志 博 士生 Hong-Tsu Wang	中山大學應用數學 系	On geodetic sets formed by boundary vertices	理4013 南區理論 中心	朱緒鼎
13	離散數學	2007/12/03 (Mon,一)	17:10~18:00	官振傑 大 學生 Albert Guan	中山大學應用數學 系	Adaptable list coloring	理4013 南區理論 中心	朱緒鼎
14	離散數學	2007/12/10 (Mon,一)	17:10~18:00	張家榮 碩 士生 Zhang Jia-Rong	中山大學應用數學 系	Bipartite density of cubic graphs	理4013 南區理論 中心	朱緒鼎
15	離散數學	2007/12/14 (Fri,五)	16:10~17:00	Prof. Michel Deza	Laboratoire de Geometrie Appliquee, LIGA-EuJC, Ecole Normale Superieure, France	Fullerenes: applications and generalizations	理4011 南區理論 中心	朱緒鼎

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
16	離散數學	2007/12/17 (Mon,一)	17:10~18:00	潘志實 博士 後 Zhi-Shi Pan	中山大學應用數學 系	Every 2-choosable graph is circular consecutive 2-choosable	理4013 南區理論 中心	朱緒鼎
17	分析	2008/01/02 (Wed,三)	16:10~17:00	蔡英士 教授 Yung-Sze Choi	Department of Mathematics, University of Connecticut, U.S.A.	Liouville type theorems	理4027 南區理論 中心	羅春光
18	離散數學	2008/01/24 (Thu,四)	16:10~17:00	葉永南 教授	中央研究院數學所	Combinatorial bijections and its applications	理4009-1 南區理論 中心	朱緒鼎
19	微分方程	2008/02/19 (Tue,二)	10:10~12:00	李松鷹 教授 Song-ying Li	Dept. of Math., University of California, Irvine, U.S.A.	Problems related to eigenvalues of the sublaplacian (I) (II)	理4011-2 南區理論 中心	羅春光
20	微分方程	2008/03/18 (Tue,二)	10:10~12:00	Prof. Vyacheslav Pyvovarchyk	South-Ukrainian State Pedagogical University, Odessa, Ukraine	Inverse Spectral Problems for Stieltjes Strings (I) (II)	理4011-2 南區理論 中心	羅春光
21	微分方程	2008/03/28 (Fri,五)	15:10~17:00	Prof. Vyacheslav Pyvovarchyk	South-Ukrainian State Pedagogical University, Odessa, Ukraine	Inverse Sturm-Liouville Problems on graphs (I) (II)	理4027 南區理論 中心	羅春光
22	微分方程	2008/06/25 (Wed,三)	14:10~15:10; 15:30~16:30	王信華 教授 Shin-Hwa Wang	清華大學數學系	The time-map technique and its application to a p-Laplacian Dirichlet problem with weak Allee effect	理4011 南區理論 中心	羅春光
23	離散數學	2008/07/03 (Thu,四)	14:10~15:00	李信明 教授 Sin-Min Lee	Department of Computer Science, San Jose State University	Survey of Edge-graceful Trees Conjecture	理4009-1 南區理論 中心	朱緒鼎
24	離散數學	2008/07/07 (Mon,一)	15:10~16:00	葉永南 教授 Yeong-Nan Yeh	中央研究院數學研 究所	Hurwitz' identity and the umbral calculus	理4011 南區理論 中心	朱緒鼎

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1	統計組 statistics	2008/08/14 (Thu,四)	11:10~12:00	Prof. Jun Xie 解軍 教授	Department of Statistics, Purdue University, U.S.A.	Statistical methods for inferring gene regulatory modules and networks	理4009-1	羅夢娜
2	數學組 math.	2008/08/21 (Thu,四)	10:10~11:00	Prof. Nguyen Manh Hung	National Hanoi University of Education, Vietnam	On the solvability of the first initial boundary value problem for hyperbolic systems in infinite cylinders with nonsmooth base	理4011 南區理論 中心	姚任之
3	數學組 math.	2008/08/21 (Thu,四)	11:10~12:00	Prof. Nguyen Manh Hung	National Hanoi University of Education, Vietnam	On the smoothness with respect to time variable of generalized solutions of the first initial boundary value problem for hyperbolic systems in infinite cylinders with nonsmooth base	理4011 南區理論 中心	姚任之
4	科學計算 computing	2008/08/21 (Thu,四)	14:10~17:00	王逸民 總經理	逸奇科技股份有限 公司	1.時頻分析-黃鐸法的理論 介紹 2.時頻分析-黃鐸法的實作 與應用案例研討 3.高階數 值暨繪圖函式庫-在科學及 工程計算上之應用	理4009-1	呂宗澤
5	統計組 statistics	2008/08/22 (Fri,五)	14:10~15:00	繆柏其 教授 Prof. B. Q. Miao	Dept. of Statistics and Finance, University of Science and Technology of China (中國科學技術 大學統計與金融系)	Limiting Behavior of Recursive M-Estimators in Multivariate Linear Regression Models and Their Asymptotic Efficiencies	理4009-1 南區理論 中心	郭美惠
6	統計組 statistics	2008/08/25 (Mon,一)	14:10~15:00	繆柏其 教授 Prof. B. Q. Miao	Dept. of Statistics and Finance, University of Science and Technology of China (中國科學技術 大學統計與金融系)	統計科學的機遇和面臨 的挑戰	理4011 南區理論 中心	郭美惠
7	數學組 math.	2008/08/26 (Tue,二)	10:10~11:00	Prof. Nguyen Manh Hung	National Hanoi University of Education, Vietnam	Regularity of solutions of the first initial boundary value problem for hyperbolic systems in infinite cylinders with conical points	理4011 南區理論 中心	姚任之
8	數學組 math.	2008/08/26 (Tue,二)	11:10~12:00	Prof. Nguyen Manh Hung	National Hanoi University of Education, Vietnam	On the asymptotic on solutions of the first initial boundary value problem for hyperbolic systems in infinite cylinders with nonsmooth base	理4011 南區理論 中心	姚任之
9	數學組 math.	2008/08/28 (Thu,四)	10:10~11:00	Prof. Nguyen Manh Hung	National Hanoi University of Education, Vietnam	On the coefficients in the asymptotic of the generalized solutions of the first initial boundary value problem for hyperbolic systems in infinite cylinders with base containing conical points	理4011 南區理論 中心	姚任之
10	數學組 math.	2008/08/28 (Thu,四)	11:10~12:00	Prof. Nguyen Manh Hung	National Hanoi University of Education, Vietnam	The Cauchy-Dirichlet problem for the wave equation in infinite cylinders with nonsmooth base	理4011 南區理論 中心	姚任之

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
11	科學計算 暨 所有組別	2008/09/17 (Wed,三)	16:10~17:00	蔡翔宇 工程師 Hsiang Yu Tsai	瑞昱半導體股份有限公司(中山大學應用數學系碩士班94年畢業)	就業座談：工作經驗談	理4009-1 系友返校	呂宗澤
12	統計組 statistics	2008/09/25 (Thu,四)	14:10~15:00	余岐青 教授 Qiqing Yu	Dept. of Math. Sciences, Binghamton University, U.S.A.(State University of New York)	Relationship Between the Cox, Lehmann, Weibull and Accelerated Lifetime Models	理4009-1 講座教授	羅夢娜
13	科學計算 暨所有組別	2008/09/26 (Fri,五)	16:10~17:00	蘇智穎 Ke-Ying Su 主任工程師	台灣積體電路製造股份有限公司(TSMC)中山應數系大學部85級畢業	就業座談：數學的用途 - 電信工程與半導體業	理4009-1 系友返校	呂宗澤
14	統計組 statistics	2008/10/01 (Wed,三)	14:10~15:00	Prof. Wolfgang Haerdle	Center for Applied Statistics and Economics, Humboldt-Universitat zu Berlin, Germany	Implied Market Price of Weather Risk	理4009-1 南區理論 中心	郭美惠
15	數學組 math.	2008/10/01 (Wed,三)	16:10~17:00	張定邦 先生 Di-Bon Chang	中山大學應用數學系博士班學生	Hamiltonian Number of Double Loop Network	理4011-2 南區理論 中心	朱緒鼎
16	數學組 math.	2008/10/02 (Thu,四)	15:30~16:30	朱緒鼎 教授 Xuding Zhu	中山大學應用數學系	Bipartite subgraphs in subcubic graphs	理4009-1	鄭彥修
17	數學組 math.	2008/10/03 (Fri,五)	16:10~17:00	Prof. Martin Skoviera	Dept. of Computer Science, Comenius University, Slovakia	Hypohamiltonian cubic graphs	理4009-1 客座教授	朱緒鼎
18	數學組 math.	2008/10/09 (Thu,四)	14:10~15:00	Prof. Martin Skoviera	Dept. of Computer Science, Comenius University, Slovakia	Nowhere-zero flows in Cayley graphs	理4009-1 客座教授	朱緒鼎
19	數學組 math.	2008/10/09 (Thu,四)	15:30~16:30	詹勳國 教授 Hsungrow Chan	屏東教育大學應用數學系	黑洞模型與非正高斯曲率曲面論問題	理4009-1	鄭彥修
20	數學組 math.	2008/10/14 (Tue,二)	16:10~17:00	張耀祖 教授 Yaotsu Chang	義守大學應用數學系	A new decoder for binary quadratic residue codes	理4009-1 南區理論 中心	朱緒鼎
21	統計組 statistics	2008/10/16 (Thu,四)	14:10~15:00	曹振海 教授 Chen-Hai Andy Tsao	東華大學應用數學系	AHCBoost: Boosting for multilevel classification	理4009-1	羅夢娜
22	數學組 math.	2008/10/16 (Thu,四)	15:30~16:30	Prof. Martin Skoviera	Dept. of Computer Science, Comenius University, Slovakia	Three perfect matchings with empty intersection in cubic graphs	理4009-1 客座教授	朱緒鼎
23	所有組別	2008/10/20 (Mon,一)	12:10~14:00	邢是霈 襄理	第一金證券債券部專業襄理(中山應數系90級/中山應數所92畢)	就業座談：次貸風暴與財務工程	理4009-1 系友返校	羅夢娜
24	數學組 math.	2008/10/23 (Thu,四)	15:30~16:30	張介玉 博士	清華大學國家理論中心博士後研究	On special gamma values and zeta values	理4009-1	鄭彥修
25	數學組 math.	2008/10/29 (Wed,三)	15:10~16:00	黃文玲 教授 Wen-ling Huang	University Hamburg, Germany	Preserver Problems in Geometry	理4013 南區理論 中心	朱緒鼎
26	統計組 statistics	2008/11/06 (Thu,四)	14:10~15:00	彭健育 博士 Chien-Yu Peng	國立清華大學統計所	Row-Wise Complementary Designs	理4009-1	羅夢娜



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27	數學組 math.	2008/11/07 (Fri,五)	17:10~18:00	林琦焜 教授 Chi-Kun Lin	交通大學應用數學系	Singular limits of the relativistic wave equation	理4009-1	鄭彥修
28	數學組 math.	2008/11/13 (Thu,四)	15:10~16:00	杜威仕 教授 Wei-Shih Du	高雄師範大學數學系	Fuzzy Versions of Stationary Point Theorems for Generated Dynamical Systems and Their Applications	理4009-1	徐洪坤
29	科學計算 computing	2008/11/20 (Thu,四)	15:30~16:30	劉亞平 博士 Ya-ping Liu	中山大學應用數學系 系博士後研究員 (大陸四川大學數學學院 副教授)	Super-Convergence Techniques for Solving First Kind Abel Integral Equations	理4009-1	呂宗澤
30	統計組 statistics	2008/11/27 (Thu,四)	14:10~15:00	Prof. Larry Shepp	Dept. of Statistics, Rutgers University, U.S.A.	Financial option pricing	理4009-1 數學中心	郭美惠
31	統計組 statistics	2008/11/27 (Thu,四)	15:30~16:30	Prof. Larry Shepp	Dept. of Statistics, Rutgers University, U.S.A.	Diabetes Management	理4009-1 數學中心	郭美惠
32	統計組 statistics	2008/11/28 (Fri,五)	09:10~10:00	1. Prof. Larry Shepp 2. Prof. Zang Hee Cho	1. Dept. of Statistics, Rutgers University, U.S.A. 2. Neuroscience Research Institute, Gachon Medical School, Incheon, Korea	Tomography	理4009-1 數學中心	郭美惠
33	數學組 math.	2008/12/13 (Sat.,六)	13:30~14:30	Prof. Shuichi Jimbo	Dept. of Mathematics, Hokkaido University, Japan	Spectra of domains with partial degeneration	理4009-1 南區理論中心	羅春光
34	數學組 math.	2008/12/13 (Sat.,六)	15:00~16:00	Prof. Shuichi Jimbo	Dept. of Mathematics, Hokkaido University, Japan	Eigenvalues of elliptic operators with variable	理4009-1 南區理論中心	羅春光
35	數學組暨 所有組別	2008/12/18 (Thu,四)	16:10~17:00	鄭經敦 博士 Ching-hsiao Cheng	Dept. of Mathematics, University of Maryland, U.S.A.	Viscous fluids interacting with nonlinear Koiter's shells	理4009-1	鄭彥修
36	科學計算 computing	2008/12/24 (Wed,三)	16:10~17:00	Prof. Zhilin Li	Center For Research in Scientific Computation & Mathematics, North Carolina State University, U.S.A.	Numerical Methods for Moving Interface Problems and Applications	理4009-1	呂宗澤
37	科學計算 computing	2009/01/13 (Tue,二)	15:10~16:00	謝幹權 教授 Ganquan Xie	GL Geophysical Laboratory, U.S.A.	Global and Local Electromagnetic, mechanical and acoustic field modeling and inversion	理4009-1	呂宗澤
38	科學計算 computing	2009/01/13 (Tue,二)	16:10~17:00	李建華 教授 Jianhua Li	GL Geophysical Laboratory, U.S.A.	AGILD Ray tracing acoustic and electromagnetic modeling	理4009-1	呂宗澤
39	統計組 Statistics	2009/02/12 (Thu,四)	14:10~15:00	Prof. Helena Nešetřilová	Department of Statistics, Czech University of Life Sciences, Prague, Czech	Growth models in animal breeding	理4009-1 南區理論中心	郭美惠
40	數學組 math.	2009/02/13 (Fri,五)	10:10~11:00	Prof. Sangho Kum	Chungbuk National University, Korea	Coercivity and Strong Semismoothness of the Penalized Fischer-Burmeister Function for the Symmetric Cone Complementarity Problem	理4011-2 數學中心	姚任之

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41	數學組 math.	2009/02/13 (Fri,五)	11:10~12:00	Prof. Sangho Kum	Chungbuk National University, Korea	A note on the penalized version of the generalized Fischer-Burmeister merit function for SOCCP	理4011-2 數學中心	姚任之
42	數學組 math.	2009/02/13 2009/02/24 2009/02/27	14:00~15:00 11:00~12:00 14:00~15:00	Prof. Jaroslav Nesetril	Dept. of Applied Math., Charles University, Prague, Czech	Structural Graph Theory (10 years after)	理40115 年500億	朱緒鼎
43	統計組 statistics	2009/02/19 (Thu,四)	14:10~15:00	Prof. Sangyeol Lee(李相烈)	Dept. of Statistics, Seoul National University, Korea	Goodness of fit test for time series models	理4009-1 數學中心	郭美惠
44	統計組 Statistics	2009/02/19 (Thu,四)	15:10~16:00	Prof. Julio Bueno Filho	Universidade Federal de Lavras-UFLA, Brazil	Bayesian analysis of interfering and toxicity effects in dilution assays	理4009-1 南區理論 中心	羅夢娜
45	數學組 math.	2009/02/20 (Fri,五)	10:10~11:00	Prof. Sangho Kum	Chungbuk National University, Korea	A generalized Fischer-Burmeister merit function for the second-order cone complementarity problem	理4011-2 數學中心	姚任之
46	數學組 math.	2009/02/20 (Fri,五)	11:10~12:00	Prof. Sangho Kum	Chungbuk National University, Korea	Penalized complementarity functions on symmetric cones	理4011-2 數學中心	姚任之
47	數學組 math.	2009/02/26 (Thu,四)	11:10~12:00	朱緒鼎 教授 Xuding Zhu	中山大學應用數學系 National Sun Yat-sen University	On-line choice number of graphs	理4011-2 南區理論 中心	朱緒鼎
48	統計組 statistics	2009/02/26 (Thu,四)	14:10~15:00	白志東 教授 Zhidong Bai	新加坡National University of Singapore統計與應用概率系	Corrections to LRT on Large Dimensional Covariance Matrix by RMT	理4009-1	羅夢娜
49	統計組 statistics	2009/02/26 (Thu,四)	15:10~16:30	Prof. Kunio Shimizu	Dept. of Mathematics, Keio University and The Institute of Statistical Mathematics, Japan	Recent Developments of Circular-linear, Linear-circular and Circular-circular Regression Models in Directional Statistics	理4009-1	羅夢娜
50	數學組 math.	2009/02/27 (Fri,五)	15:10~16:00	Prof. Jaroslav Nesetril	Dept. of Applied Math., Charles University, Prague, Czech	Structural Graph Theory (10 years after)	理40115 年500億	朱緒鼎
51	數學組 math.	2009/03/05 (Thu,四)	15:30~16:30	徐洪坤 教授 Hong-Kun Xu	中山大學應用數學系 National Sun Yat-sen University	The Change of Numeraire Techniques in Pricing Contingent Claims	理4009-1	鄭彥修
52	統計組 statistics	2009/03/11 (Wed,三)	14:10~15:00	林真如 教授 Chen-ju Lin	元智大學工業工程與管理系 Y uan Ze University	A Stepdown Procedure with Feedback for Identifying Inferiority among Three Treatments	理4009-1	羅夢娜
53	科學計算 computing	2009/03/12 (Thu,四)	15:30~16:30	張乃敏 博士 Naimin Zhang	中山大學博士後研究員(中國溫州大學 W enzhou University)	Learning algorithm with momentum and its applications	理4009-1	呂宗澤
54	統計組 statistics	2009/03/25 (Wed,三)	13:50~14:40	Prof. Douglas Simpson	Department of Statistics, University of Illinois, U.S.A.	Statistical Methods for Biomedical Research on Diagnostic Ultrasound	理4009-1 5年500億	羅夢娜
55	統計組 statistics	2009/03/25 (Wed,三)	15:10~16:00	蔡鴻坤 先生	行政院主計處主計官兼第三局局長	淺談經濟成長統計與預測-併述消息面與基本面的虛實	理4009-1	羅夢娜
56	數學組 math.	2009/03/26 (Thu,四)	15:30~16:30	鄭志豪 教授 Jyh Haur Te h	清華大學數學系 National Tsing Hua University	Cycle spaces of projective varieties	理4009-1	鄭彥修

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
57	大學部	2009/04/02 (Thu,四)	12:00~14:00	柯志鴻 醫師	高雄醫學院精神科 主治醫師	談網路成癮-無盡享樂的地獄	圖資大樓 二樓研討 室	諮商輔 導組
58	數學組& 所有組別 math.	2009/04/02 (Thu,四)	14:10~15:00	賴欣豪 博士 Hsin-Hao Lai	中央研究院數學研 究所博士後研究員	List Acyclic Edge Coloring	理4009-1	董立大
59	統計組& 所有組別 statistics	2009/04/02 (Thu,四)	15:30~16:30	翁世峰 博士 Shih-Feng Weng	Dept. of Epidemiology, University of Texas M. D. Anderson Cancer Center, U.S.A.	The effectiveness of the confidence interval and hypothesis testing for the ratio of two lognormal means applied to weibull and gamma distribution data	理4009-1	羅夢娜
60	統計組 statistics	2009/04/03 (Fri,五)	12:10~14:00	1.Douglas Simpson 2.Wolfgang Bischoff	1.University of Illinois 2.Catholic University of Eichstätt-Ingolstadt	"統計發展趨勢" 座談會- 美國與德國經驗	理4009-1 5年500億	羅夢娜
61	科學計算 所有組別 computing	2009/04/06 (Mon,一)	16:10~17:00	李勇達 博士 Yung-Ta Li	交通大學應用數學 系博士後研究員	Optimal Moment-Matching and Structure-Preserving Model Order Reduction of Second-Order Systems via a Quasi-Arnoldi Procedure	理4009-1	呂宗澤
62	統計組 statistics	2009/04/09 (Thu,四)	14:10~15:00	徐秋艷 博士 Qiuyan Xu	台灣大學數學系博 士後研究員	Consistent estimation of integrated covolatility for non-synchronous assets in the presence of microstructure noise	理4009-1	羅夢娜
63	統計組 statistics	2009/04/09 (Thu,四)	15:10~16:00	周雲雄 教授 Yunshyong Chow	中央研究院數學研 究所	Evolutionary Prisoner's Dilemma Games with Local Interaction and Imitation	理4009-1	羅夢娜
64	數學組& 所有組別 math.	2009/04/09 (Thu,四)	16:10~17:00	張志鴻 博士 Chih-Hung Chang	新竹國家理論科學 研究中心博士後研 究員	Thermodynamic Formalism for Cellular Automata	理4009-1	羅春光
65	統計組& 所有組別 statistics	2009/04/16 (Thu,四)	14:10~15:00	彭健育 博士 Chienyu Peng	清華大學統計研 究所	Mis-specification Analysis of Linear Degradation Models	理4009-1	羅夢娜
66	數學組 math.	2009/04/16 (Thu,四)	15:30~16:30	李國明 教授 Kuo-Ming Lee	中正大學數學系	Integral equations methods in Scattering Problem	理4009-1	鄭彥修
67	所有組別 all groups	2009/04/23 (Thu,四)	15:30~17:00	中山大學諮 商輔導組	中山大學諮商輔 導組	研究生，你可以更快樂!	理4009-1	諮商輔 導組
68	科學計算 computing	2009/04/24 (Fri,五)	14:10~15:00	魏益民 教授 Yimin Wei	Dept. of Mathematics,Fudan University (復旦大 學), Shanghai, China	On mixed and componentwise condition numbers for linear least squares and total least squares	理4009-1	呂宗澤
69	數學組 math.	2009/04/30 (Thu,四)	14:10~15:00	葉永南 教授 Yeong-Nan Yeh	中央研究院數學研 究所	Survey on Chung-Feller Theorems	理4009-1	朱緒鼎
70	數學組 math.	2009/04/30 (Thu,四)	15:10~16:00	馬俊 博士 Ma Jun	中央研究院數學研 究所博士後研究員	Generalizations of Chung-Feller Theorems I	理4009-1 南區理論 中心	朱緒鼎
71	統計組 statistics	2009/05/07 (Thu,四)	14:10~15:00	Prof. Ashish Das	Dept. of Math., Indian Institute of Technology Bombay, India	$E(s^2)$ -optimal supersaturated designs	理4009-1	羅夢娜
72	統計組 statistics	2009/05/07 (Thu,四)	15:10~16:00	Dr. Praggya Das	Dept. of Statistical Analysis & Computer Services, Reserve Bank of India	Data revision and its impact on seasonal adjustment: An exercise with Bank of England data	理4009-1	羅夢娜

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73	數學組 math	2009/05/14 (Thu,四)	11:10~12:00	Prof. Jaroslaw Grytczuk	Jagiellonian University, Poland	Lucky labelings of graphs	理4009-1 南區理論 中心	朱緒鼎
74	數學組 math.	2009/05/14 (Thu,四)	15:10~16:00	吳菁菁 教授	中興大學應用數學 系	Fast Rate of Dead-Core Problem	理4011	鄭彥修
75	科學計算 computing	2009/05/14 (Thu,四)	16:10~17:00	張國綱 教授 Koukung Alex Chang	屏東教育大學應用 數學系	A Pore-scale Network Flow Model for Two Phase Flow	理4009-1	呂宗澤
76	統計組 statistics	2009/05/15 (Fri,五)	14:10~16:00	Krishna Athreya	Dept. of Math. and Dept. of Statistics, Iowa State University, Ames, U.S.A.	Introduction to Markov chains and Markov Chain Monte Carlo	理40115 年500億	郭美惠
77	統計組 statistics	2009/05/18 (Mon,一)	10:10~12:00	Krishna Athreya	Dept. of Math. and Dept. of Statistics, Iowa State University, Ames, U.S.A.	Introduction to Markov chains and Markov Chain Monte Carlo	理4009-1 5年500億	郭美惠
78	統計組 statistics	2009/05/19 (Tue,二)	14:10~16:00	Krishna Athreya	Dept. of Math. and Dept. of Statistics, Iowa State University, Ames, U.S.A.	Introduction to Markov chains and Markov Chain Monte Carlo	理4009-1 5年500億	郭美惠
79	統計組 statistics	2009/05/20 (Wed,三)	14:10~16:00	Krishna Athreya	Dept. of Math. and Dept. of Statistics, Iowa State University, Ames, U.S.A.	Introduction to Markov chains and Markov Chain Monte Carlo	理4009-1 5年500億	郭美惠
80	統計組 statistics	2009/05/20 (Wed,三)	16:10~17:00	Prof. Yuhong Yang	School of Statistics, University of Minnesota, U.S.A.	Adaptive model selection: How far can we go?	理4009-1	羅夢娜
81	統計組 statistics	2009/05/21 (Thu,四)	14:10~16:00	Krishna Athreya	Dept. of Math. and Dept. of Statistics, Iowa State University, Ames, U.S.A.	Introduction to Markov chains and Markov Chain Monte Carlo	理國 5年500億	郭美惠
82	統計組 statistics	2009/05/22 (Fri,五)	14:10~16:00	Krishna Athreya	Dept. of Math. and Dept. of Statistics, Iowa State University, Ames, U.S.A.	Introduction to Markov chains and Markov Chain Monte Carlo	理國 5年500億	郭美惠
83	科學計算 computing	2009/05/26 (Tue,二)	14:10~17:00	廖國翔 應用 工程師	思渤科技股份有限 公司	Maple 13 -數學與電腦相關 應用	理2004	呂宗澤
84	數學組 math	2009/05/26 (Tue,二)	15:10~16:00	陳芳躍 教授	杭州電子大學 (Hangzhou Dianzi University, China)	DNA-Like Learning Algorithm of CNN Template Implementing Boolean Functions	理4009-1	徐洪坤
85	統計組 statistics	2009/05/27 (Wed,三)	15:10~16:00	Krishna Athreya	Dept. of Math. and Dept. of Statistics, Iowa State University, Ames, U.S.A.	Applications of size biasing in branching processes	理4009-1 5年500億	郭美惠
86	統計組 statistics	2009/06/02 (Tue,二)	13:30~15:00	林共進 教授 Dennis K.J. Lin	Penn State University	Computer Experiment	理4009-1	羅夢娜
87	數學組 math	2009/06/02 (Tue,二)	14:10~15:00	Prof. Yared Nigusie	East Tennessee State University, U.S.A.	Extended Gallai Theorem	理4013 南區理論 中心	朱緒鼎

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88	科學計算 computing	2009/06/03 (Wed,三)	14:10~15:00	Prof. Oktay Pashaev	Dept. of Mathematics, Izmir Institute of Technology, Turkey	Vortex Images and q-elementary functions	理4011	呂宗澤
89	科學計算 computing	2009/06/03 (Wed,三)	15:10~16:00	Prof. Mourad Ismail	Department of Mathematics, University of Central, Florida, U.S.A.	The application of orthogonal polynomial to Shrodinger operator	理4011	呂宗澤
90	科學計算 computing	2009/06/11 (Thu,四)	14:10~15:00	李明恭 教授 Ming-Gong Lee	中華大學應用數學 系	A New Block Method for Stiff Differential Equations	理4011	李子才
91	數學組 math	2009/06/12 (Fri,五)	16:10~17:00	Prof. Yared Nigussie	East Tennessee State University, U.S.A.	Duality for Kn-minor free graphs	理4011 南區理論 中心	朱緒鼎
92	數學組 math	2009/06/18 (Thu,四)	16:10~17:00	邊保軍 教授 Baojun Bian	上海同濟大學數學 系 Tongji University, China	Some Partial Differential Equations in Mathematical Finance	理4011 5年500億	徐洪坤
93	數學組 math	2009/07/10 (Fri,五)	15:10~16:00	Prof. William A. Kirk	Department of Mathematics, University of Iowa, U.S.A.	Approximating Fixed Points of Nonexpansive Maps	理4011 5年500億	徐洪坤
94	數學組 math	2009/07/10 (Fri,五)	16:10~17:00	Prof. Kazimierz Goebel	Institute of Mathematics, Maria Curie-Skłodowska University, Poland	Mean Lipschitz Maps	理4011 數學中心	徐洪坤
95	數學組 math	2009/07/14 (Tue,二)	15:10~16:00	潘少華 教授 Shaohua Pan	中國華南理工大學 數學系	Symmetric cone complementarity problems and C-functions	理4011 5年500億	蔣永延
96	科學計算 computing	2009/07/29 (Wed,三)	15:10~16:00	賴鵬仁 教授 Peng-Jen Lai	高雄師範大學數學 系	Soft computing and scheduling problems	理4009-1	黃杰森

非線性分析及離散數學研究中心 (Research Center for Nonlinear Analysis and Discrete Mathematics)

國立中山大學應用數學系

97 學年 演講一覽表

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room
1	數學組	2008/08/07 (Thu,四)	15:10~16:00	Prof. H. M. Srivastava	Dept. of Mathematics and Statistics, University of Victoria, Canada	Bounds for Classical Orthogonal Polynomials and Related Special Functions	理4011-2
2	數學組	2008/08/07 (Thu,四)	16:10~17:00	Prof. Rekha Srivastava	Dept. of Mathematics and Statistics, University of Victoria, Canada	Some Glimpses of Hindu (or Vedic) Mathematics and Srinivasa Ramanujan (1887-1920)	理4011-2
3	數學組	2008/08/13 (Wed,三)	10:10~11:00	王雅書 小姐 Ya-Shu Wang	中山大學應用數學系博士班學生	On the paper "Banach-Stone Theorems for Banach Manifolds"	理4013 非線性中心
4	數學組	2008/08/20 (Wed,三)	10:10~11:00	王雅書 小姐 Ya-Shu Wang	中山大學應用數學系博士班學生	On the paper "Banach-Stone Theorems for Banach Manifolds" II	理4013 非線性中心
5	數學組	2008/09/03 (Wed,三)	10:10~11:00	蔣志祥 教授 Jyh-Shyang Jeang	陸軍官校管理科學系	Spectral theory of vector-valued weighted composition operators	理4013 非線性中心
6	數學組	2008/09/16 (Tue,二)	16:10~17:00	Prof. Jean Ludwig	Laboratoire de Mathematiques et Applications de Metz, University of Metz, France	The simple modules of $SL_2(\mathbb{R})$	理4009-1 非線性中心
7	數學組	2008/09/23 (Tue,二)	16:10~17:00	王雅書 小姐 Ya-Shu Wang	中山大學應用數學系博士班學生	On the paper "Zero product preserving maps on $C^1[0, 1]$ "	理4013 非線性中心
8	數學組	2008/09/30 (Tue,二)	16:10~17:00	蔡宗炘 先生 Chung-Wen Tsai	中山大學應用數學系博士班學生	Fourier Transforms and Its Applications	理4013 非線性中心
9	數學組	2008/10/02 (Thu,四)	14:10~15:00	陶祥興 教授 Xiangxing Tao	Dept. of Mathematics, Ningbo University, China(寧波大學)	Quantitative Analyticity of Solutions for Some Elliptic and Parabolic Equations	理4009-1 非線性中心
10	數學組	2008/10/07 (Tue,二)	16:10~17:00	蔡宗炘 先生 Chung-Wen Tsai	中山大學應用數學系博士班學生	Stable Rank Preserving Property of Integral Extensions(I)	理4013 非線性中心
11	數學組	2008/10/21 (Tue,二)	16:10~17:00	蔡宗炘 先生 Chung-Wen Tsai	中山大學應用數學系博士班學生	Stable Rank Preserving Property of Integral Extensions(II)	理4013 非線性中心
12	數學組	2008/10/28 (Tue,二)	16:10~17:00	蔡宗炘 先生 Chung-Wen Tsai	中山大學應用數學系博士班學生	Stable Rank Preserving Property of Integral Extensions(III)	理4013 非線性中心
13	數學組	2008/11/04 (Tue,二)	16:10~17:00	蔡宗炘 先生 Chung-Wen Tsai	中山大學應用數學系博士班學生	On the paper "A Banach-Stone Theorem for Uniformly Continuous Functions"	理4013 非線性中心
14	數學組	2008/11/11 (Tue,二)	16:10~17:00	蔡宗炘 先生 Chung-Wen Tsai	中山大學應用數學系博士班學生	On the paper "Composition Operators between Algebras of Uniformly Continuous Functions"	理4013 非線性中心
15	數學組	2008/11/25 (Tue,二)	16:10~17:00	蔡宗炘 先生 Chung-Wen Tsai	中山大學應用數學系博士班學生	On the paper "Composition Operators between Algebras of Differentiable Functions"	理4013 非線性中心

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16	數學組	2008/12/02 (Tue,二)	16:10~17:00	蔡宗炘 先生 Chung-Wen Tsai	中山大學應用數學 系博士班學生	On the paper "Composition Operators between Algebras of Differentiable Functions" (II)	理4013 非線性 中心
17	數學組	2008/12/04 (Thu,四)	10:10~11:00	Prof. Giandomenico Mastroeni	Dept. of Mathematics, University of Pisa, Italy	Separation methods and optimality conditions via image space analysis	理4011-2 非線性 中心
18	數學組	2008/12/05 (Fri,五)	10:10~11:00	Prof. Giandomenico Mastroeni	Dept. of Mathematics, University of Pisa, Italy	A separation approach to Lagrangian and Courant methods in constrained optimization	理4009-1 非線性 中心
19	數學組	2008/12/09 (Tue,二)	16:10~17:00	許銘修 先生	中山大學應用數學系 博士班學生	A Note on Reflexive Banach Spaces	理4013 非線性 中心
20	數學組	2008/12/11 (Thu,四)	16:10~17:00	張德健教授 Der-Chen Chang	Georgetown University, U.S.A.	Geometric Analysis on Decoupled Domains in $\mathbb{R}^{n+1}$	理4009-1 非線性 中心
21	數學組	2008/12/16 (Tue,二)	16:10~17:00	廖靜柔 小姐	中山大學應用數學系 博士班學生	Unique problem of Hahn-Banach extensions	理4013 非線性 中心
22	數學組	2008/12/17 (Wed,三)	16:30~17:30	張德健教授 Der-Chen Chang	Georgetown University, U.S.A.	A Beautiful Mind (美麗界 境)	理4009-1 非線性 中心
23	數學組	2008/12/23 (Tue,二)	16:10~17:00	Prof. Siegfried Schaible	Dept. of Applied Mathematics, Chung Yuan Christian University	The Abstract Equilibrium Problem	理4011-2
24	數學組	2008/12/30 (Tue,二)	16:10~17:00	彭建文教授 Jian-Wen Peng	重慶師範大學數學 系	Hahn-Banach extension theorems of set-valued maps	理4013 非線性 中心
25	數學組	2009/01/06 (Tue,二)	16:10~17:00	劉榮惠 先生	中山大學應用數學 系博士班學生	On the paper "Sums of Lattice Homomorphisms"	理4013 非線性 中心
26	數學組	2009/01/09 (Fri,五)	16:10~17:00	蔡豐聲 博士	師範大學數學系	Flows in neural networks	理4009-1 非線性 中心
27	數學組	2009/01/10 (Sat,六)	16:10~17:00	吳順益 教授 Soon-Yi Wu	Dept. of Mathematics, National Cheng Kung University	A New Exchange Method for Convex Semi-Infinite Programming	理4011-2 非線性 中心
28	數學組	2009/01/21 (Wed,三)	16:10~17:00	黎景輝 教授 King Fai Lai	Dept. of Mathematics, University of Sydney, Australia	Noether's Theorem in Calculus of Variation on Hilbert Manifold	理4011 非線性 中心
29	數學組	2009/02/13 (Fri,五)	08:10~09:00	Prof. Nguyen Nang Tam	Hanoi Pedagogical University No.2,Vietnam	Stability Properties of Quadratic Minimization Problems over Euclidean Balls	理4011-2 非線性 中心
30	數學組	2009/02/13 (Fri,五)	09:10~10:00	Prof. Ta Duy Phuong	Vietnamese Academy of Science and Technology, Vietnam	Parametric Affine Variational Inequality Approach to Linear Fractional Vector Optimization Problems	理4011-2 非線性 中心
31	數學組	2009/02/20 (Fri,五)	08:10~09:00	Prof. Nguyen Nang Tam	Hanoi Pedagogical University No.2,Vietnam	Stability of A Class of Quadratic Programs with A Conic Constraint	理4011-2 非線性 中心

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room
32	數學組	2009/02/20 (Fri,五)	09:10~10:00	Prof. Ta Duy Phuong	Vietnamese Academy of Science and Technology, Vietnam	Unbounded Components in the Solution Sets of Strictly Quasiconcave Vector Maximization Problems	理4011-2 非線性 中心
33	數學組	2009/04/08 (Wed,三)	17:10~18:00	梁子威 教授 Chi-Wai Leung	香港中文大學數學 系, Hong Kong	Analysis on Groups, I	理4011-2 非線性 中心
34	數學組	2009/04/10 (Fri,五)	16:10~17:00	梁子威 教授 Chi-Wai Leung	香港中文大學數學 系, Hong Kong	Analysis on Groups, II	理4009-1 非線性 中心
35	數學組	2009/04/30 (Thu,四)	16:10~17:00	韓永生 教授 Yongsheng Han	Auburn University, USA	Wavelet analysis on spaces homogeneous type	理4009-1 非線性 中心



**國立中山大學應用數學系**  
**98 學年書報討論演講一覽表**

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
1	科學計算 computing	2009/08/05 (Wed,三)	14:10~15:00	Prof. Todd J. Arbogast	Dept. of Math., The University of Texas at Austin, U.S.A.	Homogenization-based Mixed Multiscale Finite Elements for Heterogeneous Elliptic Problems (I)	理4011 數學中心	黃杰森
2	科學計算 computing	2009/08/05 (Wed,三)	15:10~16:00	Prof. Todd J. Arbogast	Dept. of Math., The University of Texas at Austin, U.S.A.	Homogenization-based Mixed Multiscale Finite Elements for Heterogeneous Elliptic Problems (II)	理4011 數學中心	黃杰森
3	科學計算 computing	2009/08/25 2009/08/26 2009/08/27 (二,三,四)	10:10~12:00 14:10~16:00	郭鴻基 教授 Hung-Chi Kuo	教育部國家講座教授 台灣大學大氣科學系終身特聘教授	暑假短期課程：數學模式與科學研究	理4009-1	呂宗澤
4	統計組 statistics	2009/09/17 (Thu,四)	14:00~15:30	周元燊 教授 / 院士 Yuan-Shih Chow	成功大學統計所特聘講座教授; 美國 Columbia University榮譽退休教授; 中央研究院院士	漫談21世紀的統計發展	理4009-1 研發處 98DS02	陳美如
5	科學計算 computing	2009/09/17 (Thu,四)	15:30~16:30	卓建宏 教授 Chien-Hong Cho	中正大學數學系	Finite difference approximation for parabolic/hyperbolic blow-up problems	理4009-1	黃杰森
6	數學組 math.	2009/09/24 (Thu,四)	16:10~17:00	蔣耀林 教授 Yao-Lin Jiang	西安交通大學 Xi'an JiaoTong University, China	Waveform Relaxation Methods of Differential Equations	理4009-1	徐洪坤
7	數學組 math.	2009/09/30 (Wed,三)	16:10~17:00	沈灝 教授 Hao Shen	上海交通大學數學系 (Shanghai Jiao Tong University, China)	Design Theory with Applications in Coding and Graph Theory	理4027	張宏鏞
8	數學組 math.	2009/10/01 (Thu,四)	15:30~16:30	葉永南 教授 Yeong-Nan Yeh	中央研究院數學研究所	Generalizations of Chung-Feller Theorem	理4009-1	張宏鏞
9	科學計算 computing	2009/10/08 (Thu,四)	15:30~16:30	蔣世中 教授 Shihchung Chiang	中華大學應用數學系	Solutions to a singular integro-differential equation	理4009-1	黃杰森
10	數學組 math.	2009/10/08 (Thu,四)	16:10~17:00	丁彥恆 教授 Yanheng Ding	Academy of Mathematics and Systems Science, Chinese Academy of Sciences, China	Variational Methods and Indefinite Problems	理4011	徐洪坤
11	統計組 statistics	2009/10/15 (Thu,四)	14:10~15:00	陳冠宇 教授 Guan-Yu Chen	交通大學應用數學系	On the mixing time for ergodic Markov chains	理4009-1	陳美如
12	數學組 math.	2009/10/22 (Thu,四)	15:30~16:30	黎景輝 教授 King Fai Lai	中山大學應用數學系	Hadamard matrices	理4009-1	鄭彥修
13	統計組 statistics	2009/10/29 (Thu,四)	14:10~15:00	黃俊宗 教授 J. T. Gene Hwang	Cornell University, U.S.A.; 交通大學統計學研究所客座教授	What can the Empirical Bayes approach do for you? Review examples applicable to modern statistics problems including microarray data analysis	理4009-1	陳美如
14	數學組 math.	2009/11/03 (Tue,二)	16:10~17:00	陳兆年 教授 Chao-Nien Chen	彰化師範大學數學系	On the FitzHugh-Nagumo type systems	理4013	鄭彥修

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
15	統計組 statistics	2009/11/05 (Thu,四)	14:10~15:00	李克昭 教授 /所長 Ker-Chau Li	中央研究院統計研 究所	Exploring the within and between class correlation distributions for tumor classification	理4009-1	陳美如
16	科學計算 computing	2009/11/05 (Thu,四)	15:30~16:30	劉康滿 教授 Kang-man Liu	彰化師範大學數學 系	Interval Arithmetic Error Estimation for the Solution of Fredholm Integral Equation	理4009-1	黃杰森
17	數學組 math.	2009/11/12 (Thu,四)	15:30~16:30	蔡英士 教授 Yung-Sze Choi	Dept. of Math., University of Connecticut, U.S.A.	Method of Characteristics: An application to a moving boundary value problem	理4013	鄭彥修
18	數學組 math.	2009/11/17 (Tue,二)	10:10~11:00	李冲 教授 Chong Li	中國浙江大學數學 系	Monotone vector fields and the proximal point algorithm on Hadamard manifolds	理4011-2 數學中 心	姚任之
19	數學組 math.	2009/11/17 (Tue,二)	11:10~12:00	李冲 教授 Chong Li	中國浙江大學數學 系	Weak sharp minima on Riemannian manifolds	理4011-2 數學中 心	姚任之
20	統計組 statistics	2009/11/19 (Thu,四)	14:10~15:00	杜憶萍 教授 I-Ping Tu	中央研究院統計研 究所	Asymptotic Overshoots for Arithmetic IID Random Variables	理4009-1	陳美如
21	統計組 statistics	2009/11/19 (Thu,四)	15:10~16:00	凌美秀 博士 Mei-Hsiu Ling	Clinical Information Sciences Dept, Novartis Pharmaceutical Corp.	A conversation- statisticians and drug development in the emerging market	理4009-1	陳美如
22	數學組 math.	2009/11/24 (Tue,二)	10:10~11:00	李冲 教授 Chong Li	中國浙江大學數學 系	Stable and Total Fenchel Duality for Convex Optimization Problems in Locally Convex Spaces	理4011-2 數學中 心	姚任之
23	數學組 math.	2009/11/24 (Tue,二)	11:10~12:00	李冲 教授 Chong Li	中國浙江大學數學 系	Constraint Qualifications for Extended Farkas's Lemmas and Lagrangian Dualities in Convex Infinite Programming	理4011-2 數學中 心	姚任之
24	數學組 math.	2009/11/25 (Wed,三)	16:10~17:00	楊一帆 教授 Yifan Yang	交通大學應用數學 系	Monodromy of Picard-Fuchs differential equations for Calabi-Yau threefolds	理4013	黃毅青
25	數學組 math.	2009/11/26 (Thu,四)	14:10~15:00	魏傳昇 博士 Chuan-Sheng Wei	中正大學數學系 博士後研究員	Evaluations and Relations among Multiple Zeta Values	理4009-1	黎景輝
26	科學計算 computing	2009/11/26 (Thu,四)	15:30~16:30	劉欽岳 教授 Chin-Yueh Liu	高雄大學應用數學 系	The kinetic theory approach to modeling neuronal networks	理4009-1	黃杰森
27	數學組 math.	2009/12/03 (Thu,四)	15:30~16:30	馬俊 博士 Ma Jun	中央研究院數學研 究所博士後研究員	Tutte polynomials and G-parking functions	理4009-1	張宏鏞
28	統計組 statistics	2009/12/10 (Thu,四)	14:10~15:00	顏廣杰 先生	高雄大學統計學研 究所 博士班學生	A Technique for Solving Stochastic Differential Equations	理4009-1	陳美如
29	統計組 statistics	2009/12/10 (Thu,四)	15:10~16:00	李虹儒 小姐	高雄大學統計學研 究所 博士班學生	A modified two-sample binomial test	理4009-1	陳美如
30	統計組 statistics	2009/12/17 (Thu,四)	14:10~15:00	陳春樹 教授 Chun-Shu Chen	彰化師範大學數學 系暨統計資訊研 究所	Variable Selection for Spatial Regression Models	理4009-1	陳美如

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
31	所有組別 all teams	2009/12/18 (Fri,五)	12:00~14:00	鄭維仁 先生	凌群電腦公用事業 群 專案管理暨技 術支援處經理(系 友)	發現資訊產業裡的發展可 能性-給應用數學系所的學 弟妹	理小劇 場	應數系
32	統計組 statistics	2009/12/24 (Thu,四)	14:10~15:00	陳淑君 博士 Shu-Chun Chen	中央研究院數學研 究所博士後研究	Discover stock dynamics through its multidimensional volatility-phases	理4011	陳美如
33	統計組 statistics	2009/12/24 (Thu,四)	15:10~16:00	Prof. Ming-Hung (Jason) Kao	Arizona State University, U.S.A.	Efficient Experimental Designs Under a Nonlinear Model for Event-Related Fmri	理4011	陳美如
34	數學組 math.	2009/12/24 (Thu,四)	15:30~16:30	陳正隆 教授 Cheng-lung Chen	中山大學化學系	Some Mathematical Problems in Computational Chemistry	理4009-1	徐洪坤
35	科學計算 computing	2009/12/31 (Thu,四)	11:10~12:00	李龍 教授 Long Lee	Dept. of Mathematics, University of Wyoming, U.S.A.	Numerical algorithms for the Camassa-Holm equation and its higher dimensional extensions	理4011	呂宗澤
36	數學組 math.	2010/01/05 (Tue,二)	16:10~17:00	王毅 教授 Yi Wang	中國大連理工大學 數學學院 (Dalian University of Technology, China)	Polynomial sequences with only real zeros	理4011	張宏鏞
37	數學組 math.	2010/01/27 (Wed,三)	14:10~15:00	Prof. Guenter F. Pilz	Johannes Kepler Univ. Linz, Austria	What Near-rings can do for you	理4013	黃毅青
38	統計組 statistics	2010/01/28 (Thu,四)	14:10~15:00	Prof. Sangyeol Lee (李相烈)	Dept. of Statistics, Seoul National University, Korea	Statistical Inference for SDE (stochastic differential equation) models	理4011 南區理 論中心	郭美惠
39	數學組 math.	2010/02/11 (Thu,四)	15:10~16:00	Prof. Patrice Ossona de Mendez	CNRS and EHESS, France (Centre National de la Recherche Scientifique, Ecole des Hautes Etudes en Sciences Sociales)	Constrained orientations of graphs	理 4013 中央研 究院	朱緒鼎
40	統計組 statistics	2010/02/25 (Thu,四)	14:10~15:00	Prof. Wolfgang Haerdle	Institute for Statistics and Econometrics, Humboldt-Universität Berlin, Germany	Risk Patterns and correlated Brain activities	理 4009-1 南區理 論中心	郭美惠
41	統計組 statistics	2010/02/25 (Thu,四)	15:10~16:00	Wolfgang Haerdle, Weining Wang (王瑋寧)	Institute for Statistics and Econometrics, Humboldt-Universität Berlin, Germany	Pricing Asian temperature risk	理 4009-1 南區理 論中心	郭美惠
42	數學組 math.	2010/02/25 (Thu,四)	16:10~17:00	Prof. Shinya Fujita	Dept. of Math., Gunma National College of Technology, Japan	Gallai-ramsey numbers in edge-colored complete graphs	理 4011 南區理 論中心	朱緒鼎
43	統計組 statistics	2010/03/04 (Thu,四)	14:10~15:00	Prof. Weng-Kee Wong	Dept. of Biostatistics, UCLA School of Public Health, U.S.A.	Recent Advances and Applications of Optimal Design Theory in the Health Sciences	理 4009-1 南區理 論中心	羅夢娜
44	數學組 math.	2010/03/04 (Thu,四)	15:30~16:30	Prof. Shinya Fujita	Dept. of Math., Gunma National College of Technology, Japan	Some recent results on non-separating subgraphs in highly connected graphs	理 4009-1 南區理 論中心	朱緒鼎

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
45	科學計算 computing	2010/03/04 (Thu,四)	15:30~16:30	方青 教授 Qing Fang	Yamagata University 山形大學, Japan	Effect of Stretching Functions on Numerical Solutions of Boundary Value Problems	理 4011 非線性 中心	李子才
46	科學計算 computing 所有組別	2010/03/09 (Tue,二)	16:10~17:00	李宗鏐 教授 Tsung-Lin Lee	Dept. of Math., Michigan State University, U.S.A.	Solving polynomial systems by homotopy continuation method	理 4011	黃杰森
47	科學計算 computing	2010/03/11 (Thu,四)	15:30~16:30	陳義麟 教授 I-Lin Chen	高雄海洋科技大學 造船工程系	Null-field integral equations and engineering applications	理 4009-1	黃杰森
48	所有組別 all teams 系友返校	2010/03/12 (Fri,五)	12:00~13:30	雷景富 先生	國泰人壽資訊服務 中心專案經理 (中 山大學部 85 級; 碩 士班 87 級)	老師? 精算師? 工程師?	理 4009-1	黃杰森
49	統計組 statistics	2010/03/18 (Thu,四)	14:10~15:00	姚怡慶 教授 Yi-Ching Yao	中央研究院 統計 科學研究所	Geometric properties of Poisson point processes in high dimensions	理 4009-1	陳美如
50	數學組 math.	2010/03/22 (Mon,一)	15:10~16:00	Prof. Daishi Kuroiwa 黑岩大史	Department of Mathematics, Shimane University, Japan	Set optimization theory	理 4011	姚任之
51	統計組 statistics	2010/03/25 (Thu,四)	14:10~15:00	程毅豪 教授 Yi-Hau Chen	中央研究院 統計 科學研究所	Event Time Regression Analysis for Dependent Competing Risks	理 4009-1	陳美如
52	數學組 math.	2010/03/25 (Thu,四)	16:10~17:00	孫菊賀 博士 Jue Sun	臺灣師範大學數學 系 博士後研究 (大 陸大連理工大學畢)	Cone Constrained Variational Inequality Problems	理 4009-1	徐洪坤
53	科學計算 computing	2010/04/06 (Tue,二)	16:10~17:00	朱天照 教授 Moody Ten-Chao Chu	Dept. of Math., North Carolina State University, U.S.A.	Nonnegative Matrix Factorization	理 4011	呂宗澤
54	數學組 math.	2010/04/08 (Thu,四)	15:30~16:30	陳國璋 教授 Kuo-Chang Chen	清華大學數學系	The three-body problem from a variational point of view	理 4009-1	鄭彥修
55	統計組 statistics	2010/04/15 (Thu,四)	14:10~15:00	黃景祥 教授 Jing-Shiang Hwang	中央研究院 統計 科學研究所	Stepwise paring down variation for identifying influential multifactor interactions	理 4009-1	陳美如
56	科學計算 computing	2010/04/22 (Thu,四)	14:10~15:00	吳金典 教授 Chin-Tien Wu	交通大學應用數學 系	A few topics in micropump simulations	理 4011	黃杰森
57	統計組 statistics	2010/04/22 (Thu,四)	14:10~15:00	刁錦寰 院士 George C. Tiao	Econometrics and Statistics, Graduate School of Business, University of Chicago (榮譽退休教授)	Bayesian analysis of hierarchical models	理 4009-1	陳美如
58	數學組 math.	2010/04/22 (Thu,四)	16:10~17:00	張毓麟 教授 Yu-Lin Chang	台灣師範大學數學 系	Stationary point conditions for the FB merit function associated with symmetric cones	理 4009-1	徐洪坤
59	統計組 statistics	2010/04/29 (Thu,四)	14:10~15:00	俞淑惠 教授 Shu-Hui Yu	高雄大學 統計學 研究所	Estimating Optimal Portfolio and Consumption Choices Based on Varying Investment Opportunities and Risk Aversion Parameters	理 4009-1	陳美如
60	科學計算 computing	2010/04/29 (Thu,四)	15:30~16:30	郭鴻基 教授 Hung-Chi Kuo	台灣大學大氣科學 系	Why the Typhoon Morakot so disastrous	理 4009-1	呂宗澤

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
61	數學組 math.	2010/04/29 (Thu,四)	16:10~17:00	林來居 教授 Lai-Jiu Lin	彰化師範大學數學系	Equivalent Forms of a Generalized KKM Theorem and Their Applications	理 4011	徐洪坤
62	數學組 math.	2010/05/05 (Wed,三)	15:10~16:00	王維凡 教授 Weifan Wang	浙江師範大學	Acyclic coloring of planar graphs	理 4027	朱緒鼎
63	科學計算 computing 所有組別	2010/05/06 (Thu,四)	15:30~16:30	蔡智雄 博士 Chih-Hsiung Tsai	Department of Mathematics, Michigan State University, U.S.A.	Homotopy continuation method and its parallelization	理 4009-1	呂宗澤
64	數學組 math.	2010/05/20 (Thu,四)	15:30~16:30	陳中川 博士	倫敦大學瑪莉皇后學院數學系 School of Mathematical Sciences, Queen Mary, University of London, U.K.	Convolution operators and Laplacian	理 4009-1	鄭彥修
65	數學組 math.	2010/05/27 (Thu,四)	14:10~15:00	王維凡 教授 Weifan Wang	Department of Mathematics, Zhejiang Normal University, China	Adjacent Vertex Distinguishing Colorings of Graphs	理 4009-1 非線性中心	朱緒鼎
66	數學組 math.	2010/05/27 (Thu,四)	15:30~16:30	洪盟凱 教授	中央大學數學系	Global Entropy Solutions of Nonlinear Balance Laws with Time-Periodic Source	理 4009-1	鄭彥修
67	統計組 statistics	2010/05/27 (Thu,四)	16:30~17:30	陳明坤 先生	日月光半導體股份有限公司 / 測試研發處 專業技術副理	品管資料實務分析	理 4011	郭美惠
68	科學計算 computing	2010/06/11 (Fri,五)	15:10~16:00	張瑞明 教授 Ruiming Zhang	中國廣西師範大學數學科學學院 Guangxi Normal University, China	On Generalized Hilbert Matrices	理 4009-1 98C02302	呂宗澤
69	科學計算 computing	2010/06/11 (Fri,五)	16:10~17:00	張瑞明 教授 Ruiming Zhang	中國廣西師範大學數學科學學院 Guangxi Normal University, China	Q-Plancherel-Rotach Asymptotics	理 4009-1	呂宗澤
70	統計組 statistics	2010/06/17 (Thu,四)	14:10~15:00	陳文憲 教授 Robert W. Chen	Dept. of Math., University of Miami, U.S.A.	Some Probabilistic Games	理 4013 98C02302	陳美如
71	數學組 math.	2010/06/24 (Thu,四)	15:30~16:30	何炳生 教授 Bingsheng He	中國南京大學數學系 Nanjing University, China	Projection and contraction methods for monotone variational inequalities	理 4009-1 數學中心	徐洪坤
72	數學組 math.	2010/06/25 (Fri,五)	16:10~17:00	洪國智 博士 Kuo-Chih Hung	清華大學數學系博士後研究員	Bifurcation diagrams of a $p$ -Laplacian Dirichlet problem with Allee effect and an application to a diffusive logistic equation with predation	理 4009-1	羅春光
73	數學組 math.	2010/07/07 (Wed,三)	15:30~16:30	張德健 教授 Der-Chen Chang	Georgetown University, U.S.A.	Geometric analysis on the unit sphere $S^3$	理 4009-1 98C02302	姚任之

非線性分析及離散數學研究中心 (Research Center for Nonlinear Analysis and Discrete Mathematics)

國立中山大學應用數學系

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序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room
1	數學組	2009/05/19 (Tue,二)	16:10~17:00	Prof. Wayne M. Eby	Cameron University, USA	Deconvolution for the Pompeiu problem on the Heisenberg group	理4011 非線性中心
2	數學組	2009/05/26 (Tue,二)	16:10~17:00	Prof. Wayne M. Eby	Cameron University, USA	Local versions of the Pompeiu problem: from Euclidean to Heisenberg	理4011 非線性中心
3	數學組	2009/07/14 (Wed,三)	16:10~17:00	Prof. Adrian Petrusel	Babes-Bolyai University Cluj-Napoca	Fixed point theorems for set-valued Y-contractions	理4011 非線性中心
4	數學組	2009/07/28 (Tue,二)	16:10~17:00	張德健 教授 Der-Chen Chang	Georgetown University, U.S.A	Sub-Riemannian and Cauchy-Riemann Geometries	理4011 非線性中心
5	數學組	2009/07/30 (Thu,四)	16:10~17:00	Prof. Adrian Petrusel	Babes-Bolyai University Cluj-Napoca	Fixed point theory for multivalued operators on a set endowed with vector-valued metrics and applications	理4011 非線性中心
6	數學組	2009/07/31 (Fri,五)	15:10~16:00	Prof. H. M. Srivastava	University of Victoria	Bounds for the Classical Orthogonal Polynomials and Related Special Functions	理4011 非線性中心
7	數學組	2009/07/31 (Fri,五)	16:10~17:00	Prof. Rekha Srivastava	University of Victoria	Some Families of Combinatorial Series Identities and Associated Rational Sums	理4011 非線性中心
8	數學組	2009/09/09 (Wed,三)	11:10~12:00	潘平奇 教授 Ping-Qi Pan	東南大學	A Face Algorithm for Linear Programming	理4027 非線性中心
9	數學組	2009/09/10 (Thu,四)	11:10~12:00	潘平奇 教授 Ping-Qi Pan	東南大學	A Nonstandard Simplex Algorithm for Linear Programming	理4027 非線性中心
10	數學組	2009/09/23 (Wed,三)	16:10~17:00	Prof. Edmund	University of Warsaw	On Koethe' Problem	理4011 非線性中心
11	數學組	2009/10/16 (Fri,五)	16:10~17:00	柯文峰 教授 Wen-Fong Ke	成功大學	On polynomial rings over nil rings	理4009-1 非線性中心
12	數學組	2010/06/04 (Fri,五)	15:10~17:00	梁浩瀚 教授 Denny H. Leung 王雅書 小姐 Ya-Shu Wang	新加坡大學 中山大學應用數學系 系博士班學生	Linear differential operators on Banach manifolds	理4013 非線性中心
13	數學組	2010/06/11 (Fri,五)	10:10~12:00	梁浩瀚 教授 Denny H. Leung 蔣志祥 教授 Jyh-Shyang Jeang	新加坡大學 陸軍官校	Compact and weakly compact separating maps of vector-valued functions	理4011 非線性中心

**國立中山大學應用數學系**  
**99 學年第一學期 書報討論演講一覽表**

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
1	統計組 statistics	2010/08/04 (Wed,三)	15:30~17:30	李相烈 教授 Sangyeol Lee	Dept. of Statistics, Seoul national University, Korea (韓國國立首爾大 學)	Minimum density power divergence estimator in time series models	理 4009-1 數學中心	郭美惠
2	科學計算 computing	2009/08/13 2009/08/20 (Fri, 五)	09:10~12:00 14:10~17:00	郭鴻基 教授 Hung-Chi Kuo	教育部國家講座教 授; 台灣大學大氣科學 系終身特聘教授	暑假短期課程: 數學模式與 科學研究	理 4009-1 暑期課程	呂宗澤
3	數學組 math.	2010/08/17 (Tue,二)	15:10~16:00	王金華 教授 Jin-Hua Wang	中國浙江工業大學 數學系	Weak sharp minima on Riemannian manifolds	理 4027 數學中心	姚任之
4	數學組 math.	2010/08/18 (Wed,三)	11:10~12:00	王金華 教授 Jin-Hua Wang	中國浙江工業大學 數學系	Monotone and accretive vector fields on Riemannian manifolds	理 4027 數學中心	姚任之
5	數學組 math.	2010/08/19 (Thu,四)	11:10~12:00	王金華 教授 Jin-Hua Wang	中國浙江工業大學 數學系	Firmly nonexpansive mappings and resolvents of monotone vector fields on Hadamard manifolds	理 4011-2 數學中心	姚任之
6	數學組 math.	2010/08/23 (Mon,一)	11:10~12:00	王金華 教授 Jin-Hua Wang	中國浙江工業大學 數學系	Subdifferentials of perturbed distance functions in Banach spaces	理 4011-2 數學中心	姚任之
7	數學組 math.	2010/08/24 (Tue,二)	11:10~12:00	王金華 教授 Jin-Hua Wang	中國浙江工業大學 數學系	Convergence behavior of Gauss-Newton's method and extensions of the Smale point estimate theory	理 4027 數學中心	姚任之
8	數學組 math.	2010/08/24 (Tue,二)	14:10~15:00 15:10~16:00	吳志強 教授 Chi-Keung Ng	中國南開大學數學 學院	Haagerup property of discrete groups (I & II)	理 4013 數學中心	黃毅青
9	數學組 math.	2010/08/25 (Wed,三)	15:10~16:00	王金華 教授 Jin-Hua Wang	中國浙江工業大學 數學系	Convergence of Newton's method for sections on Riemannian manifolds	理 4011-2 數學中心	姚任之
10	數學組 math.	2010/08/30 (Mon,一)	09:10~10:00 10:10~11:00	吳志強 教授 Chi-Keung Ng	中國南開大學數學 學院	Infinite tensor products of Hilbert spaces (I & II)	理 4013 數學中心	黃毅青
11	數學組 math.	2010/09/02 (Thu,四)	10:10~11:00	卜慶營 教授 Qingying Bu	Mathematics Department, The University of Mississippi, U.S.A.	Tensor products of Banach spaces	理 4011-2 國科會	黃毅青
12	數學組 math.	2010/09/06 (Mon,一)	11:10~12:00	王金華 教授 Jin-Hua Wang	中國浙江工業大學 數學系	Kantorovich's theorems of Newton's method for mappings and optimization problems on Lie groups	理 4011-2 數學中心	姚任之
13	數學組 math.	2010/09/07 (Tue,二)	11:10~12:00	王金華 教授 Jin-Hua Wang	中國浙江工業大學 數學系	Smale's point estimate theory for Newton's method on Lie groups	理 4011-2 數學中心	姚任之
14	統計組 statistics	2010/09/07 (Tue,二)	11:10~12:00	Prof. Kerby Shedden	Dept. of Statistics, The University of Michigan, Ann Arbor, U.S.A.	Effect patterns in genetic mapping studies	理 4009-1	羅夢娜
15	數學組 math.	2010/09/14 (Tue,二)	13:10~14:00	黃文玲 教授 Wen-Ling Huang	Dept. of Mathematics, University of Hamburg, Germany	Isomorphism in the geometry of matrices and its related graph (I)	理 4011-2 理論中心	王彩蓮
16	數學組 math.	2010/09/14 (Tue,二)	14:10~15:00	陳鵬安 教授 Peng-An Chen	台東大學數學系	A new coloring theorem of Kneser graphs	理 4011-2	董立大

序	組別 Group	日期 Date	時間 Time	演講者 Speaker	單位 Unit	題目 Topic	教室 Room	邀請者 Inviter
17	數學組 math.	2010/09/16 (Thu,四)	14:10~15:00	黃文玲 教授 Wen-Ling Huang	Dept. of Mathematics, University of Hamburg, Germany	Isomorphism in the geometry of matrices and its related graph (II)	理 4009-1 理論中心	王彩蓮
18	數學組 math.	2010/09/23 (Thu,四)	15:10~16:00	Prof. Wataru Takahashi	Tokyo Institute of Technology, Japan	Nonlinear Mappings in Nonlinear Analysis and an Open Problem in Fixed Point Theory	理 4009-1 數學中心	姚任之
19	數學組 math.	2010/09/23 (Thu,四)	16:10~17:00	Prof. Wataru Takahashi	Tokyo Institute of Technology, Japan	Weak and Strong Mean Convergence Theorems for Hybrid Mappings in Hilbert Spaces	理 4009-1 數學中心	姚任之
20	數學組 math.	2010/09/24 (Fri,五)	16:10~17:00	Prof. Wataru Takahashi	Tokyo Institute of Technology, Japan	Strong convergence theorems for maximal monotone operators with nonlinear mappings in Hilbert spaces	理 4009-1 數學中心	姚任之
21	統計組 statistics	2010/09/30 (Thu,四)	14:10~15:00	江金倉 教授 Chin-Tsang Chiang	台灣大學數學系	Pseudo least integrated squares estimation for single-index conditional distribution models	理 4009-1	張福春