

國立中山大學應用數學系

學術演講

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講題：Geometric Analysis and the study on finding canonical representatives

時間：2018/11/12（星期一）14:10 ~ 15:00

地點：理學院四樓理 SC 4011 室

茶會：15:00 於理 SC 4010 室（系辦公室）

摘要

The problem of finding canonical representatives is a nature and important problem in many fields. When it concerns a geometric object, some complications will appear and very often involve solving nonlinear PDE system. It is called Geometric Analysis that apply analysis and PDE techniques to study geometric problems, and has been proven a very powerful tool. In this talk, I will give different examples/problems of finding canonical representatives in geometry and discuss methods from Geometric Analysis on the study that include geometric flow. Some of my interests and research in this direction will also be reported.

As the audience are from different fields and many are graduate students, I will start with some basic introduction and examples before moving to my research. Also it will stress on the global picture, rather than the technical part.

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