

國立中山大學應用數學系

學術演講

講者：沈俊嚴 教授 (國立臺灣大學數學系)
講題：Exponential sums and additive combinatorics
時間：2019/04/25 (Thursday) 14:10 ~ 15:00 pm
地點：理學院四樓理 SC 4009-1 室
茶會：15:00 於理 SC 4010 室 (系辦公室)

Abstract

The work of Bourgain-Katz-Tao on the sum-product estimates in prime fields has found many important applications in various areas. In particular, an application of their result solves a difficult exponential sum problem in analytic number theory. The goal of this talk is to introduce the connection between analytic number theory and additive combinatorics, and present our recent results that give nontrivial upper bounds for some certain exponential sums in prime field.

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