

國立交通大學應用數學系

學術演講公告

主講人：賴欣豪教授(高雄師範大學)

講題：Combinatorial Nullstellensatz and its Applications in List Colorings of Graphs

時間：109 年 10 月 27 日(星期二) 下午 14:00 –15:00

地點：(光復校區) 科學一館 223 室

茶會：當天下午 13:30 (科學一館 205 室)

Abstract

Combinatorial Nullstellensatz is a polynomial method first introduced by Noga Alon in 1999. It became a powerful tool in many fields of combinatorics, including additive combinatorics, combinatorial geometry and graph theory.

Let G be a graph. A list L of G is a mapping that assigns a finite set of integers to each vertex of G . A list L -coloring of G is a mapping that assigns an integer in $L(v)$ to each vertex v of G such that the integers assigned to any two adjacent vertices are different.

In this talk, I will introduce two short proofs of Combinatorial Nullstellensatz and some applications of Combinatorial Nullstellensatz in the study of list colorings of graphs.

敬請公告 歡迎參加

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