

國立中山大學應用數學系

學術演講

講者：賴欣豪 教授 (高雄師範大學 數學系)

講題：The additive coloring of graphs with given edge weight

時間：2024/04/11 (Thursday) 14:10~15:10

地點：理 SC 4009-1 教室

茶會：13:30

Abstract

An additive coloring of a graph is a labeling of its vertices with positive integers such that for every pair of adjacent vertices the sums of integers assigned to their neighbors are different. The additive choice number of a graph is the least integer k such that, whenever each vertex is given a list of at least k available integers, an additive coloring can be chosen from the lists.

An additive coloring is proper if any two adjacent vertices are assigned by different integers. And the proper additive choice number of a graph is the least integer k such that, whenever each vertex is given a list of at least k available integers, a proper additive coloring can be chosen from the lists.

Combinatorial Nullstellensatz is a powerful tool in many fields of combinatorics, including additive combinatorics, combinatorial geometry and graph theory.

The edge weight of a graph is defined to be the maximum sum of degrees of adjacent vertices. In this talk, I will present results on additive choice number and proper additive choice number of graphs with given edge weight obtained by Combinatorial Nullstellensatz.

敬請公告！歡迎參加！

應用數學系：<http://math.nsysu.edu.tw>

校園地圖：http://math.nsysu.edu.tw/var/file/183/1183/img/779/nsysu_math_map.jpg

交通資訊：<https://www.nsysu.edu.tw/p/412-1000-4132.php?Lang=zh-tw>



應用數學系



校園地圖



交通資訊