

國立陽明交通大學應用數學系

演講公告

主講人：Prof. Donggyu Kim (Hanyang University 漢陽大學)

講題：Embedded graphs, Eulerian digraphs, and their
Jacobian groups

時間：115 年 10 月 13 日(星期二) 下午 14:00 –15:00

地點：(光復校區) 科學一館 213 室

Abstract

The celebrated Kirchhoff matrix-tree theorem connects a combinatorial quantity---the number of spanning trees of a graph---with an algebraic one---the determinant of its reduced Laplacian matrix. This theorem has analogues for Eulerian digraphs and embedded graphs, where determinants of certain matrices count Eulerian tours and quasi-trees, respectively. We will explore the interplay between these two settings and see how the corresponding matrices lead to Jacobian groups that naturally act on Eulerian tours and quasi-trees.

敬請公告 歡迎參加

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