

# 國立陽明交通大學應用數學系 演講公告

主講人：Professor Swee Hong Chan (Rutgers University)

講題：Spanning trees and continued fractions

時間：115 年 3 月 31 日(星期二) 下午 14:00 –15:00

地點：(光復校區) 科學一館 213 室

## Abstract

Consider the set of positive integers representing the number of spanning trees in simple graphs with  $n$  vertices. How quickly can this set grow as a function of  $n$ ? In this talk, we discuss a proof of the exponential growth of this set, which resolves an open problem of Sedlacek from 1966. The proof uses a connection with continued fractions and advances towards Zaremba's conjecture in number theory. This is joint work with Alex Kontorovich and Igor Pak. This talk is intended for general audience.

敬請公告 歡迎參加

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