

國立陽明交通大學應用數學系 學術演講公告

主講人：洪芷漪 教授 (政治大學 應數系)

講 題：The Coalescence Problem and Branching Random Walks

時 間：114 年 4 月 15 日(星期二) 下午 14:00 –15:00

地 點：(光復校區) 科學一館 213 室

Abstract

Branching processes are stochastic processes that are often used to model the evolution of populations. They are also widely used in probability theory, biology (e.g., population genetics, epidemiology), and other fields. In this talk, we will introduce the most fundamental type of branching process, the Galton-Watson branching process, and review some classical limit theorems that describe the long-term behavior of populations. On the other hand, we will also discuss the coalescence problem, which provides us with a different perspective on investigating the history of the population. In addition, we will apply the results of the coalescence problem to explore the limiting behavior of the distribution of individuals' positions.

敬請公告 歡迎參加

應用數學系 啟