

高等教育深耕計畫-引領永續未來創新學院

【前瞻領域學程】系列講座

講者：莊重教授(交通大學應用數學系)

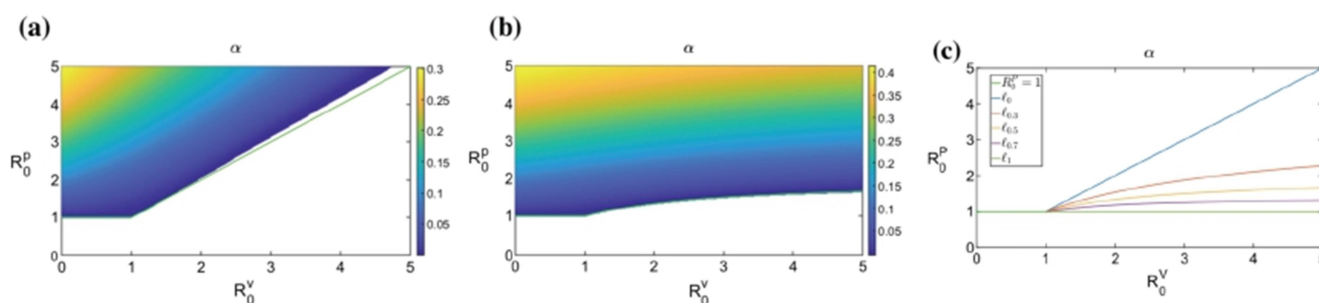
講題：On Epidemic Modelling

時間：2019年4月24日(星期三)下午2：30~3：30

地點：應數系多媒體教室(理學院408室)

摘要

Mathematical modelling has played an important role to inform policies to mitigate the impact of infectious disease. Overtimes, these models have grown more sophisticated to more accurately reflect the real world epidemics. Moreover, progress in model development has been extremely fast and has attracted interests from researchers of various disciplines. In this talk, we will talk about four new features that have recently been introduced into epidemic modelling. Specifically, the concept of multiplex networks, coinfection, the effect of agent's movement and year-on-year infection are to be separately addressed.



Numerical simulations for mathematical model on (R_0^V, R_0^P) . Plane.

主辦單位：國立高雄大學統計學研究所、應用數學系

協辦單位：國立高雄大學巨量資料研究中心

高大交通資訊：<http://intro.nuk.edu.tw/nuk/map01.htm>