

國立交通大學應用數學系 學術演講公告

主講人：吳昌鴻 教授(台南大學 應用數學系)

講 題：Traveling Curved Waves in Two Dimensional Excitable Media

時 間：107 年 10 月 23 日(星期二) 下午 14:00 –15:00

地 點：(光復校區) 科學一館 223 室

茶 會：當天下午 1:30 (科學一館 205 室)

Abstract

Wave propagation can occur in various area such as physics, biology, chemical kinetics, and so on. In particular, excitable media, which are often modeled by nonlinear PDEs, can support abundant spatiotemporal dynamics. In this talk, we focus on a free boundary problem in two-dimensional excitable media arising from a singular limiting problem of a FitzHugh-Nagumo-type reaction-diffusion system. The existence, uniqueness and stability of traveling curved waves will be discussed. This is a joint work with Hirokazu Ninomiya (Meiji University).

敬請公告 歡迎參加

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