

國立中興大學 應用數學系 學術演講

主講人：戴佳原 博士

講題：

Trilogy of Ginzburg-Landau Spiral Waves

摘要：

Self-organized spiral waves have been observed in physiology, chemistry, and physics. However, even on the existence of spiral waves, only a few rigorous mathematical results are available. Among various models describing spiral waves, I focus on the significant complex Ginzburg-Landau equation, because its global gauge symmetry offers an advantage for mathematical analysis.

The framework of my research is a trilogy: existence, (in-)stability, and delayed feedback stabilization. The existence and (in-)stability of spiral waves result from a global bifurcation analysis. Then I adopt a noninvasive delayed feedback control to stabilize some unstable spiral waves.

時間：109年11月26日(四) 下午3時10分

地點：資訊科學大樓 501 室

歡迎本系所師生踴躍參加

