國 立 東 華 大 學 應 用 數 學 系
專 題 演 講

主講人：林建仲 博士

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講 題：Existence, Uniqueness and Stability of Traveling Wave
  Solutions for Delayed Cellular Neural Networks

時 間：102 年 05 月 03 日 (星期五) 15:20-16:50

地 點：理工一館 A324 會議室

摘 要

Cellular Neural Networks (CNNs for short) have recently attracted a lot of attention. In this talk, we are concerned with traveling wave solutions for delayed CNNs distributed in the one-dimensional integer lattice $\mathbf{Z}$. One criterion for the existence of such solutions is provided. Moreover, we also use the modified Ikehara's theorem and semi-discrete Fourier transformation to obtain the uniqueness and stability of the traveling wave solution, respectively.

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