

# 國立陽明交通大學應用數學系

## 學術演講公告

主講人：張志鴻 教授（高雄大學 應用數學系）

講 題：Bohr chaoticity of number-conserving shifts

時 間：112 年 10 月 24 日（星期二）下午 2:00 – 3:00

地 點：（光復校區）科學一館 223 室

### Abstract

Let  $X$  be a compact metric space and  $T: X \rightarrow X$  be a continuous transformation. A dynamical system  $(X, T)$  is called Bohr chaotic if for each weight sequence  $(w_n) \in \ell^{\infty}(\mathbb{N}, \mathbb{R})$  there are  $f \in \mathcal{C}(X)$  and  $x \in X$  such that  $(w_n)$  is orthogonal to  $\{f \circ T^n(x)\}$ . In this talk, we introduce the number-conserving shifts and show that a number-conserving shift is either finite or Bohr chaotic. Furthermore, a number-conserving shift is consisting of periodic points whenever it is finite.

敬請公告 歡迎參加

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