

國立高雄大學應用數學系105學年度第1學期碩士班書報討論報告

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地點：應用數學系多媒體教室（理408室）

演講者	時間	講題	摘要
蘇靖壹	14 : 00 ~ 14 : 30	The Entropy Minimality of Tree-Shift of Finite Type	While the topological entropy of a one-dimensional shift of finite type is well elucidated, the investigation of multidimensional shifts is difficult. In this talk, I will introduce symbolic dynamics defined on infinite trees, which are called tree-shifts. Tree-shifts have a natural structure between one-sided shifts and multidimensional shifts. A shift space of minimal entropy means that no proper subspace can reproduce its dynamical behavior. A sufficient condition for entropy minimality of multidimensional shift spaces is addressed by Boyle <i>et al.</i> By studying the entropy minimality of tree-shifts, we want to observe a necessary and sufficient condition for entropy minimality of multidimensional shifts.
吳家祥	14 : 30 ~ 15 : 00	Nonlinear Schrödinger equation	The Schrödinger equation has general nonlinear term $f(t)$, this time will introduce how the nonlinear term $f(t)$ effect the Schrödinger equation