

國立東華大學應用數學系 專題演講

一、主講人：肖體俊教授

Fudan University, Shanghai, China

講題：Nonautonomous second order equations with generalized Wentzell boundary conditions.

時間：101年8月27日(星期一) 13:30-15:00

地點：理學院A324會議室

摘要

Of concern are the initial-boundary value problems for nonautonomous semilinear second order evolution equations with generalized Wentzell boundary conditions. We will present a global wellposedness theorem (in a classical sense) for these problems via a specifically designed operator theoretic approach. Moreover, we will give sharp estimations for the evolution of the solution along the characteristic curves, which enable us to derive the uniform exponential decay of the associated energies.

二、主講人：梁進教授

Shanghai Jiao Tong University, Shanghai, China

講題：Cauchy problem for abstract equations with infinite delay.

時間：101年8月27日(星期一) 15:00-16:30

地點：理學院A324會議室

摘要

We are concerned with the Cauchy problem for some abstract equations with infinite delay which are associated with local \mathcal{E} -existence families or local \mathcal{C} -regularized semigroups. We will present some recent results on the existence of Lipschitz continuous solutions and the existence of strong and classical solutions to the Cauchy problem for related equations in Banach spaces. Moreover, we will give an example to illustrate applications of the abstract results.



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