

國立交通大學應用數學系

學術演講公告

主講人：黃信元教授(中山大學 應用數學系)

講 題：On the Chern-Simons system with two Higgs particles

時 間：106 年 5 月 2 日(星期二) 下午 2:00 -3:00

地 點：(光復校區) 科學一館 223 室

茶 會：當天下午 1:30 (科學一館 205 室)

Abstract

In this talk, I will survey the recent developments of the elliptic system arising from the Chern-Simons Model with two Higgs Particles. Mathematically, the system is a typical skew-symmetric system. Thus, the action functional of this system is indefinite, which makes it difficult to study from the variational method. Among others, I will present my recent works on this system, including the uniqueness of the topological solutions and the radial non-topological solutions, existence of bubbling solutions on a torus and the sharp estimates on the fully bubbling solutions of Liouville type (joint work with X. Han and C.S. Lin, Y.Lee and L. Zhang).

敬請公告 歡迎參加

應用數學系 啟