

Center for Quantum Science and Engineering (CQSE)

Weekly Seminar
Mar. 4, 2011 (Friday)

TIME Mar. 4, 14:30 ~ 15:30
TITLE Mathematical Results on two-component Gross-Pitaevskii equations
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PLACE Rm716, CCMS & New Physics Building, NTU

Abstract

Two-component Gross-Pitaevskii (GP) equations play an important role to study double condensates i.e binary mixtures of Bose-Einstein condensates. Several interesting physical phenomena like domain walls, skyrmions and dispersive shock waves may be related to mathematical problems from two-component GP equations. In this lecture, I'll introduce our recent results for these problems.

