



The Hong Kong University of Science and Technology

Department of Mathematics

Seminar on PDE

Singular perturbation limits of fractional Allen-Cahn

By

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Abstract

I will report on recent work with V. Millot and Kelei Wang on the singular limit for a fractional Allen-chen equation leading to stationary nonlocal minimal surfaces. I will introduce these latter concepts and will prove the convergence result, based on a deep Geometric Theory argument from Marstrand.

Date : Wednesday, 7 June 2017

Time: 3:00 p.m. – 4:00 p.m.

***Venue: Room 3472, Academic Building
(near Lifts 25&26), HKUST***

All are welcome!