Enrico Valdinoci

Università di Roma Tor Vergata, Italy

Quasiperiodic and flat interfaces for the Allen-Cahn equation

Abstract

We discuss the existence of (non)minimal solutions of a periodic Allen-Cahn-type equation exhibiting non-selfintersecting (quasi)periodic level sets. When the equation does not depend on the space variable, we discuss the rigidity properties of the global stable solutions, with applications to pseudo-differential operators.