

Sharp energy estimates and flatness results for nonlocal phase transitions

Introduce:

Prof. Marco Squassina
Università Cattolica del Sacro Cuore

Interviene:

Dott.ssa Eleonora Cinti
Università degli Studi di Torino

Abstract:

We present some recent results in the study of two, closely related, nonlocal problems: the fractional Allen-Cahn equation and the nonlocal minimal surfaces. More precisely, we show sharp energy estimates for minimizers and stable objects for both problems and, as a consequence, we deduce some flatness results in low dimensions.

These results are contained in several works in collaborations with X. Cabré, J. Serra, and E. Valdinoci.

Seminario

Mercoledì 14 dicembre 2016
Sala Riunioni, ore 15.00
Via dei Musei 41 - Brescia



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