Istituto di Matematica Applicata e Tecnologie Informatiche (CNR)
Dipartimento di Matematica "Felice Casorati"
via Ferrata,1 – 27100 Pavia (Italia)

Seminario di Matematica Applicata

Martedì 23 Settembre alle ore 16 a Pavia, nella Sala Conferenze dell'IMATI-CNR (ex IAN), il

Prof. Alain Miranville
(Université de Poitiers)

terrà la conferenza:

Attractors for the Cahn-Hilliard equation with singular potentials

Abstract. Our aim in this talk is to discuss the existence of attractors for the Cahn-Hilliard equation with singular (and, in particular, logarithmic) potentials. The main difficulty, in order to prove the existence of the finite dimensional global attractor with classical methods, is to prove that the solutions are strictly separated from the singular values of the potential, which is not known in three space dimensions. We will show however that we can construct exponential attractors, which in turn yields the existence of the finite dimensional global attractor.

La S.V. è cordialmente invitata.

☕ Dopo la conferenza sarà organizzato un breve rinfresco ☕