SEMINARIO DI MATEMATICA

Mercoledì 4 marzo 2020
ore 17:00

Scuola Normale Superiore
Pisa
Aula Mancini

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Terrà un seminario dal titolo:

"Doubling construction for $O(m)\times O(n)$ invariant solutions to the Allen-Cahn equation"

Abstract:

In this talk I will discuss the construction of new families of two-ended $O(m)\times O(n)$-invariant solutions to the Allen-Cahn equation $\Delta u+u-u^3=0$ in $\R^{N+1}$, with $N\ge 7$, whose zero level sets diverge logarithmically from the Lawson cone at infinity. The construction is based on a careful study of the Jacobi-Toda system on a given $O(m)\times O(n)$-invariant manifold, which is asymptotic to the Lawson cone at infinity. This is a joint work with. O. Agudelo and M. Rizzi.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze