SEMINARIO

ECUACIONES DIFERENCIALES PARCIALES

EXPOSITOR

Pierpaolo Esposito
(Universita Roma Tre, Italia)

TITULO

”Non-topological condensates for the self-dual Chern-Simons-Higgs model”

Resumen:

For the abelian self-dual Chern-Simons-Higgs model I will discuss existence issues of periodic vortex configurations – the so-called condensates– of non-topological type for small values of the Chern-Simons parameter k. We provide a positive answer for the existence of non-topological condensates with magnetic field concentrated at some of the vortex points (as a sum of Dirac measures) as k tends to 0. Joint work with M. del Pino, M. Musso and P. Figueroa.

Martes 29 de octubre del 2013, a las 10 : 154 hrs, Sala de Seminarios CMM, séptimo piso.