



Seminar Series in Applied Mathematics

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The stability of magnetic vortices

Monday, February 5, 2001

3:15 pm

Pierce 116

Abstract: In the Ginzburg-Landau theory of superconductivity, a fundamental role is played by a family of symmetric solutions known as vortices, which are classified by a topological degree. I will present results which settle an old conjecture about how the stability of a vortex depends on the topology, and on the nature of the superconducting material.

Refreshments will be available starting at 3:00pm.

For additional information contact Yi Li (216-5433) or Patrick Miller (216-5452).
