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# SPECTRAL PROPERTIES OF SCHRÖDINGER OPERATORS WITH MAGNETIC FIELDS IN THE SEMI-CLASSICAL REGIME

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## Abstract

Solid State Physics and superconductivity theory (but also complex analysis and subriemannian geometry) lead to many questions in spectral theory for Schrödinger operators with magnetic fields. We will describe some of the results obtained in the last decade, focusing on the analysis on the groundstate energy.

**Date :** Tuesday, January 10, 2012

**Time:** 14:00

**Place:** IMBM Seminar Room, Boğaziçi University

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