

ANALYSSEMINARIET

Kateřina Nĕmcova: Approximation by point potentials in the presence of a magnetic field

Abstract: We show how magnetic Schrödinger operators with an attractive δ -potential on a curve in $L^2(\mathbb{R}^2)$ can be approximated in the strong resolvent sense by point-potential operators. The result is illustrated on finding the spectral properties for a potential supported by a circle. Joint work with Pavel Exner.

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