

Buslaev, V.

On spectral properties of adiabatically perturbed Schrödinger operators with periodic potentials. (English) [Zbl 0739.35053](#)

Sémin. Équ. Dériv. Partielles, Éc. Polytech., Cent. Math., Palaiseau 1990-1991, No.XXIII, 15 p. (1991).

Summary: We describe the asymptotic structure of the spectrum and the resonances of the equation $-\psi_{xx} + V(\varepsilon x, x)\psi = E\psi$, where $V(\xi, x)$ is a periodic function of the second variable and ε is a small parameter.

MSC:

[35P20](#) Asymptotic distributions of eigenvalues in context of PDEs

[35Q55](#) NLS equations (nonlinear Schrödinger equations)

Cited in 1 Review Cited in 1 Document
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Keywords:

[spectrum](#); [resonances](#)

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