

**ON INFINITY OF THE DISCRETE SPECTRUM OF
OPERATORS IN THE FRIEDRICHS MODEL***Yu. Kh. Eshkabilov*

The discrete spectrum of selfadjoint operators in the Friedrichs model is studied. Necessary and sufficient conditions of existence of infinitely many eigenvalues in the Friedrichs model are presented. A discrete spectrum of a model three-particle discrete Schrödinger operator is described.

Key words and phrases: Friedrichs model, spectrum, essential spectrum, discrete spectrum.

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