

## Determination of the second critical magnetic field of superconductors in the model for a system with two states

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In this paper, we consider the determination of the second critical magnetic field of superconducting materials based on the model of splitting of energy levels in a magnetic field for a system with two states. The obtained dependence of the second critical field on the energy gap of superconductors is in good agreement with experimental data for superconducting alloys, metals, amorphous films, and some nitrides.

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