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Andreev conductance of a ferromagnet-superconductor point contact

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Abstract

Based on the boundary conditions derived for quasiclassical Green's functions, a theory of Andreev reflection in ferromagnet-superconductor point contacts is constructed. From a comparison with experimental data, the polarization of the conduction band was estimated for a number of ferromagnetic materials used in experiments on Andreev spectroscopy. © 2003 MAIK "Nauka/Interperiodica".

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