ELECTRONIC TRANSPORT THROUGH MAGNETIC NANOSTRUCTURES

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9.7 cm

Theoretical work of the authors on transport through magnetic nanostructures is reviewed. Topics to be discussed are the first-principles theory of transport through ballistic and diffuse systems, phenomenology of the Coulomb blockade in magnetic single-electron transistors and transport through structures with non-collinear magnetization, like magnetic domain walls and spin-injection devices.

13.4 cm

Subject category :

2. Magnetic Films, Surfaces and Multilayers

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