

# The conductance of a double quantum wire

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## Abstract

Does a double quantum wire conduct twice as good as a single wire? This and related questions will be answered in a scattering model of electrons in a double quantum wire on the nanometer scale in an external magnetic field.

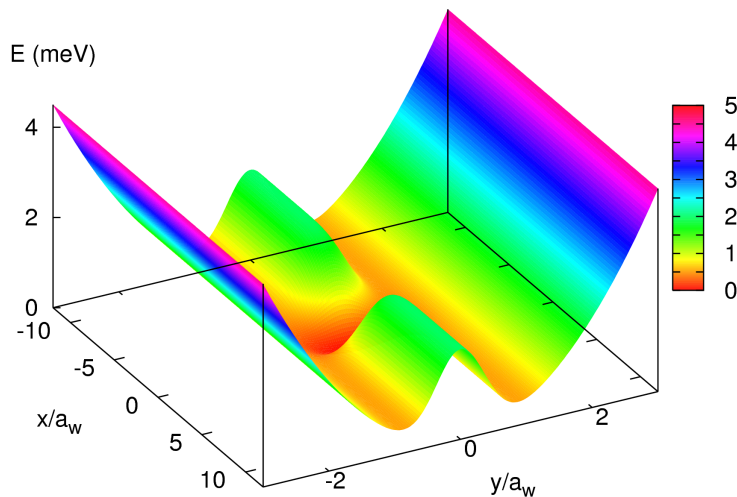


Figure 1: Section of the quantum wire