

1D Transmission (CBR)

In this tutorial we calculate the transmission coefficient $T(E)$ as a function of energy E . We consider

- Single potential barrier
- Step potential
- Quantum well
- Double potential barrier

To obtain transmission spectra, we use **Contact Block Reduction (CBR)** method (see [documentation](#)). This tutorial is an analog of [nextnano3 tutorial](#).

Reference

Ballistic Quantum Transport using the Contact Block Reduction (CBR) Method - An introduction

S. Birner, C. Schindler, P. Greck, M. Sabathil, P. Vogl, Journal of Computational Electronics (2009)

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