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2.5 Transport of charge carriers**The Physics of Nanoelectronics Transport**
The Physics of Nanoelectronics: Transport and Fluctuation Phenomena at Low Temperatures (Oxford Master Series in Physics) 1st Edition. by Tero T. Heikkil\u00e4 (Author) 5.0 out of 5 stars 3 ratings. ISBN-13: 978-0199673490. ISBN-10: 0199673497.

~~The Physics of Nanoelectronics: Transport and Fluctuation~~

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The Physics of Nanoelectronics: Transport and Fluctuation Phenomena at Low Temperatures Tero T. Heikkil\u00e4 | Review by Ishtiaque Ahmed Oxford University Press, 2013; \$94.95 (hardcover). This is a clearly written, well-organized book on nanoelectronics.

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The Physics of Nanoelectronics Transport and Fluctuation Phenomena at Low Temperatures Tero T. Heikkil\u00e4 Oxford Master Series in Physics. Suitable for use as course material; Concentrates on phenomena rather than formalism; Contains a wide selection of topics

~~The Physics of Nanoelectronics - Paperback - Tero T~~

The physics of nanoelectronics : transport and fluctuation phenomena at low temperatures. (Tero T Heikkil\u00e4) -- Advances in nanotechnology have allowed physicists and engineers to miniaturize electronic structures to the limit where finite-size related phenomena start to impact their properties.

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Since 1985 he has focused on current flow in nanoscale electronic devices and the approach pioneered by his group for the description of quantum transport, combining the non-equilibrium Green function (NEGF) formalism of many-body physics with the Landauer formalism from mesoscopic physics, has been widely adopted in the field of nanoelectronics.

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