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## Near-equilibrium Transport: Fundamentals And Applications (Hardback)

By Mark Lundstrom, Changwook Jeong

World Scientific Publishing Co Pte Ltd, Singapore, 2013. Hardback. Condition: New. Language: English . Brand New Book. These lectures are designed to introduce students to the fundamentals of carrier transport in nano-devices using a novel, bottom up approach that agrees with traditional methods when devices are large, but which also works for nano-devices. The goal is to help students learn how to think about carrier transport at the nanoscale and also how the bottom up approach provides a new perspective to traditional concepts like mobility and drift-diffusion equations. The lectures are designed for engineers and scientists and others who need a working knowledge of near-equilibrium ( low-field or linear ) transport. Applications of the theory and measurement considerations are also addressed. The lectures serve as a starting point to an extensive set of instructional materials available online.

### Reviews

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