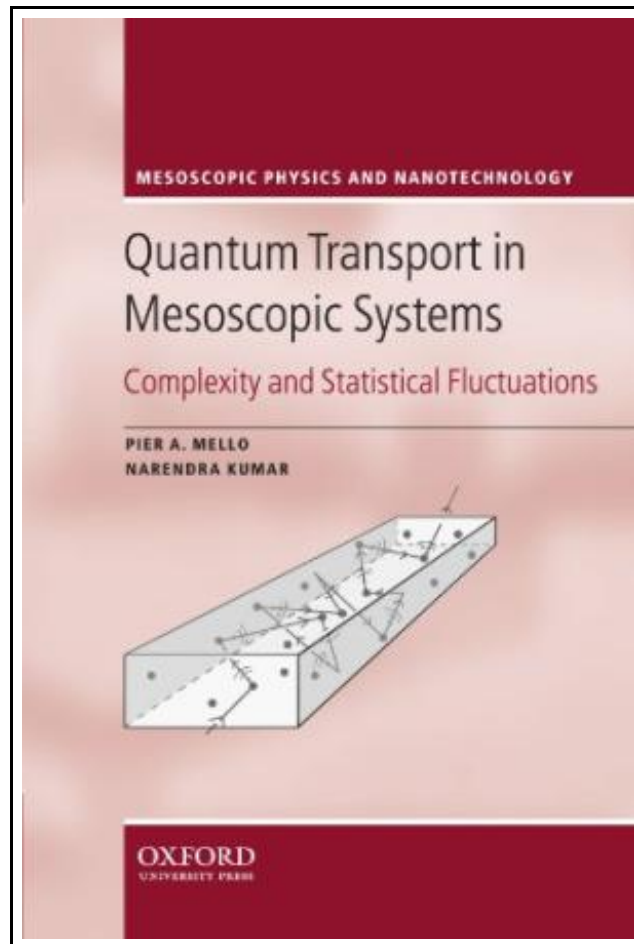


Quantum Transport in Mesoscopic Systems: Complexity and Statistical Fluctuations - A Maximum Entropy Viewpoint (Paperback)



Filesize: 1.83 MB

Reviews

Thorough information! Its this type of great go through. It is amongst the most incredible publication i actually have read through. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Germaine Welch)

QUANTUM TRANSPORT IN MESOSCOPIC SYSTEMS: COMPLEXITY AND STATISTICAL FLUCTUATIONS - A MAXIMUM ENTROPY VIEWPOINT (PAPERBACK)

[DOWNLOAD](#)

Oxford University Press, United Kingdom, 2010. Paperback. Book Condition: New. Reissue. 230 x 154 mm. Language: English . Brand New Book. The aim of this book is to present a statistical theory of wave scattering by complex systems -systems which have a chaotic classical dynamics, as in the case of microwave cavities and quantum dots, or possess quenched randomness, as in the case of disordered conductors- with emphasis on mesoscopic fluctuations. The universal character of the statistical behavior of these phenomena is incorporated in a natural way by approaching the problem from a Maximum-Entropy viewpoint -Shannon's information entropy is maximized, subject to the symmetries and constraints that are physically relevant- within the powerful, non-perturbative Theory of Random Matrices. This is a distinctive feature of the present book that greatly motivated our writing it. Another reason is that it collects in one place the material and notions -derived from the published work of the authors in collaboration with several co-workers, as well as from the work of others- which are scattered through research journals and textbooks on the subject. To make the book self-contained, we present in Chapters 2 and 3 the quantum theory of scattering, set in the context of quasi-one-dimensional, multichannel systems, thus related directly to scattering problems in mesoscopic physics. Chapter 4 discusses the linear-response theory of quantum electronic transport, adapted to the context of mesoscopic systems. These chapters, together with Chapter 5 on the Maximum-Entropy Approach and Chapter 8 on weak localization, have been written in a pedagogical style, and can be used as part of a graduate course. Chapters 6 and 7 discuss the problem of electronic transport through classically chaotic cavities and quasi-one-dimensional disordered systems. There are many exercises, most of them worked out in detail, distributed throughout the book. This should help graduate...



[Read Quantum Transport in Mesoscopic Systems: Complexity and Statistical Fluctuations - A Maximum Entropy Viewpoint \(Paperback\) Online](#)



[Download PDF Quantum Transport in Mesoscopic Systems: Complexity and Statistical Fluctuations - A Maximum Entropy Viewpoint \(Paperback\)](#)

Other Kindle Books



Meet Trouble: Slipcase (Paperback)

Penguin Putnam Inc, United States, 2013. Paperback. Book Condition: New. 230 x 154 mm. Language: English . Brand New Book. A brand-new series for brand-new readers!Introducing a new series for brand-new readers! Each slipcase includes...

[Read ePub »](#)



Mother Carey s Chickens (Dodo Press) (Paperback)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 228 x 154 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author...

[Read ePub »](#)



Fox on the Job: Level 3 (Paperback)

Penguin Putnam Inc, United States, 2004. Paperback. Book Condition: New. James Marshall (illustrator). Reissue. 224 x 150 mm. Language: English . Brand New Book. Using their cache of already published easy-to-read books, Puffin launched their...

[Read ePub »](#)



Fox at School: Level 3 (Paperback)

Penguin Young Readers Group, United States, 1993. Paperback. Book Condition: New. James Marshall (illustrator). Reissue. 224 x 147 mm. Language: English . Brand New Book. Using their cache of already published easy-to-read books, Puffin launched...

[Read ePub »](#)



A Connecticut Yankee in King Arthur s Court (Paperback)

Bantam Doubleday Dell Publishing Group Inc, United States, 1994. Paperback. Book Condition: New. Reissue. 170 x 104 mm. Language: English . Brand New Book. When A Connecticut Yankee in King Arthur s Court was published...

[Read ePub »](#)