



## New Directions in Mesoscopic Physics (towards Nanoscience): Proceedings of the NATO Advanced Study Institute, Erice, Sicily, Italy, from 20 July to 1 August 2002

By -

Kluwer Academic Publishers, United States, 2003. Paperback. Book Condition: New. 239 x 162 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.An introduction and comprehensive survey of the main issues in mesoscopic physics. Topics covered include quantum Hall effects, transport through quantum wires and dots, coherence in mesoscopic systems, spintronics, disordered systems, and solid state quantum computation. Some contributions are dedicated to the connections between nanoscience and biophysics and quantum optics. Although the topics mentioned have many aspects in common, they span a wide area of physics. It is therefore especially important to provide a broad view of this rapidly expanding field. Thanks to the excellent presentations, the book will be found suitable both for young researchers who want to enter the field and stimulating for more experienced scientists. Softcover reprint of the original 1st ed. 2003.



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