



# Topics and Methods in Condensed Matter Theory: From Basic Quantum Mechanics to the Frontiers of Research

By Michele Cini

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Discussion extends to atomic physics, relativistic quantum mechanics, elementary QED, electron spectroscopy, nonlinear optics, and various aspects of the many-body problem. Methods such as group representation theory, Green's functions, the Keldysh formalism and recursion techniques were also imparted.

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## **Topics and Methods in Condensed Matter Theory: From Basic Quantum Mechanics to the Frontiers of Research** By Michele Cini Bibliography

- Sales Rank: #764394 in Books
- Published on: 2007-08-17
- Original language: English
- Number of items: 1
- Dimensions: 9.45" h x 1.25" w x 6.44" l, 1.83 pounds
- Binding: Hardcover
- 443 pages

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