Primary Texts for Quantum Mechanics

  One of the most popular books on quantum mechanics. It has rather extensive and very pedagogical explanations. On the other hand, it uses very abstract notation which makes it hard to follow for people not familiar with such notation. Most problems ask to fill holes in the derivations of the text.

  Another very popular text on quantum mechanics. The scope and formalism are very similar to Shankar’s, but explanations are much more concise.

  This book has arguably the best explanations of any text at this level, but at the same time it is structured in such a way that is difficult to navigate. Excellent problems formulated in very detailed way, guiding students through the solving process.

Classic Texts for Quantum Mechanics


Elementary Texts on Quantum Mechanics

  One of the best, if not the best, introductions to the subject.


Resources on Web

- A company Flooved makes available a number of quantum mechanics texts completely for free, check them at:
  http://www.flooved.com/search?q=Quantum+mechanics

Many-body theory

- Merzbacher, see above.

  Classic text, field-theory oriented.


Texts covering Mathematical Background

  The best reference text, but explanations are uneven.

  This is the best book filling the gap between basic calculus and the needs of undergraduate physics courses, but not all material needed for graduate ones is there.

  A basic calculus text.
  This is a good text for 300-level linear algebra.

  This is a good text to learn differential equations at 300-level.