



## **FUNDAMENTALS OF PHYSICS (Eighth Edition) HALLIDAY/RESNICK/WALKER WILEY PUBLICATION INDIA Ltd**

Nicest thing about the book is fun with a big challenge. This is a historical book and like a quality research paper it is divided into specific parts. Total 44 chapters are there in the book which is followed by appendices. SI units, fundamental Constants, Some Astronomical data, Conversion Factors Properties of elements and periodic table provided at the end of the book.

Basic physics Newtonian physics, Thermodynamics, Magnetics ,Electricity , Optics, Relativity, Quantum Physics, Nuclear physics And Modern Physics like LASER and X-rays etc are the major points discussed in the book very precisely and systematically which can be very useful to the student community and teachers also.

Every unit has opening puzzlers which can build interest in students so that they can involve in particular topic. After every puzzlers authors has explained that what is physics related with that point and after that there are check points and then the core chapter is elaborate of reasonable length. After explanation of unit there are problem solving tactics are given so that basic knowledge level of students may get increased. Reviews and summary and questions are given then again problems are there for self study. In the end of the chapter icons and additional and miscellaneous information and help is given. The text is well organised and clearly presented; there are plentiful line drawings and each chapter has a set of exercises to entertain the reader — all round a very nice textbook.

### **Merits & Demerits**

Detailed description about basic fundamentals with pictorial presentation is major USP of this book. In compare with other book advantage of this book is it's in depth explanations. The disadvantage is it is a bulky book. So many small topics may be avoided. The print set up is clumsy.

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