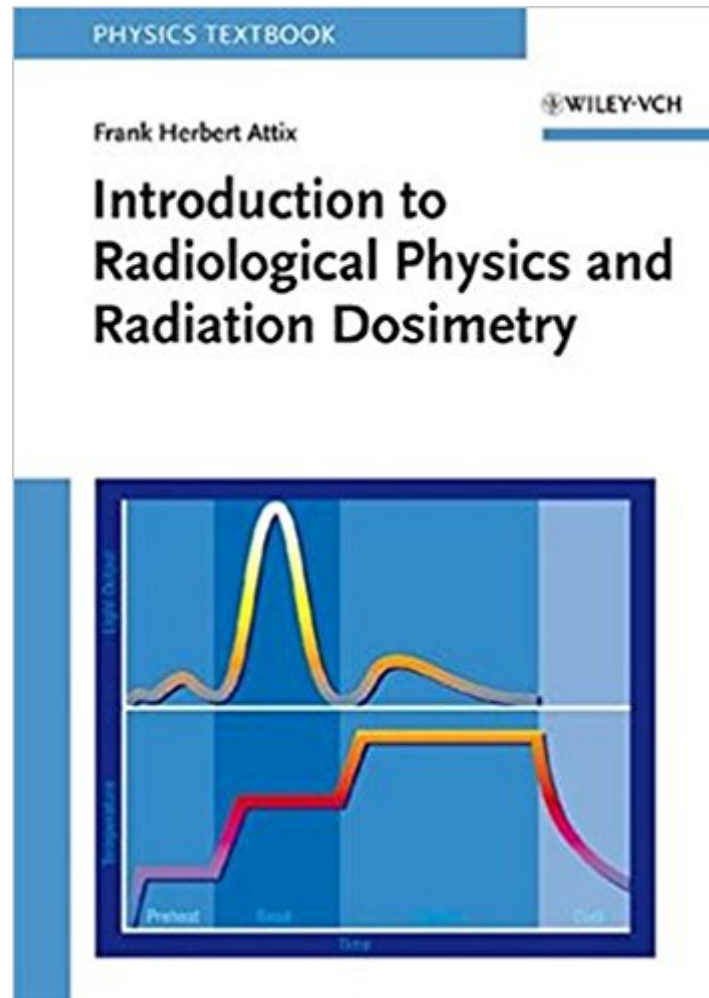




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Introduction To Radiological Physics And Radiation Dosimetry



Synopsis

A straightforward presentation of the broad concepts underlying radiological physics and radiation dosimetry for the graduate-level student. Covers photon and neutron attenuation, radiation and charged particle equilibrium, interactions of photons and charged particles with matter, radiotherapy dosimetry, as well as photographic, calorimetric, chemical, and thermoluminescence dosimetry. Includes many new derivations, such as Kramers X-ray spectrum, as well as topics that have not been thoroughly analyzed in other texts, such as broad-beam attenuation and geometrics, and the reciprocity theorem. Subjects are laid out in a logical sequence, making the topics easier for students to follow. Supplemented with numerous diagrams and tables.

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Attix is the classic author in Medical Physics. Everything you need to know is all in. And a detail derivation of each formula. Every medical physics' hand book!

Most of dosimetry in actual practice is looking up constants from tables. This book has every table you need for dosimetry calculations. My professor says this is a must have for a career in radiation therapy.

This is a classic book for teachers and students in the specific field of study, the radiation dosimetry.

There is a dearth of modern texts that treat this realm with due respect anymore-or possibly it is that other texts are aimed at larger -and so less rigorous-markets. Thank heavens someone is still publishing books like this. Attix has done a commendable job here. He pays attention to detail and accuracy. His inclusions are commendable-especially when he covers the Kramer spectrum-you don't get much of that anywhere except references to Kramers original papers! (or a 'result' quoted) here he actually gives an analysis cum derivation. The whole book is commendable and would sit as possibly 'the' contemporary classic on radiological physics.If this had extensive 'practice problems' (a la Hasegawas text some may know of) then it would surely be also 'the' book to assign for a decent course on radiological physics/radiation measurement. Unfortunately not so. Still the overall rigour and treatment is worth 5 stars from any constellation.Thoroughly recommend-a breath of fresh air with real physics.

This is a great reference book. It arrived within the estimated delivery time and in excellent condition. I recommend!

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