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Laser Engineering



Synopsis

Presents fundamental principles of lasers immediately relevant to lasers in practice. Balancing theory with engineering examples from well-established laser companies, the book provides an important and practical design resource. Using actual laser systems from major companies as examples, the book provides an opportunity to apply skills. The book also introduces non-linear optics and covers important support technologies. It also incorporates material on basic laser safety and summarizes basic optics commonly used in laser engineering. A valuable reference book for practicing electrical engineers working with lasers.

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Customer Reviews

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This is a really good book. Easy to read :)

A really poorly written book, reading through it looks like it was a first written draft with a lot of

notation abuse. There are graphs without axis of what is being measured, numbers given without dimensions. The author does not provide any motivation for formulas or how they're derived. This is honestly the worst book for students, you could possibly get through the whole book if your whole goal was to memorize formulas and never question the basis for them, plug and chug and you'll get an engineering degree I suppose.

Kuhn's book is undeniably for engineers seeking a quick entree to the field of laser design. As such, it does a fine job. Information is put forth in a very straightforward style and step-by-step procedures are presented. The information is given at an advanced undergraduate level and is quite accessible. Additional information which an engineer might find useful, such as the history and patent numbers of laser innovations, is included. Also included are chapters on all-important support technology. Students seeking a thorough foundation in theory will be disappointed by the lack of fully-developed derivations, but this lack is consistent with the author's goals. This book would be well complemented by the classic work by Koechner.

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