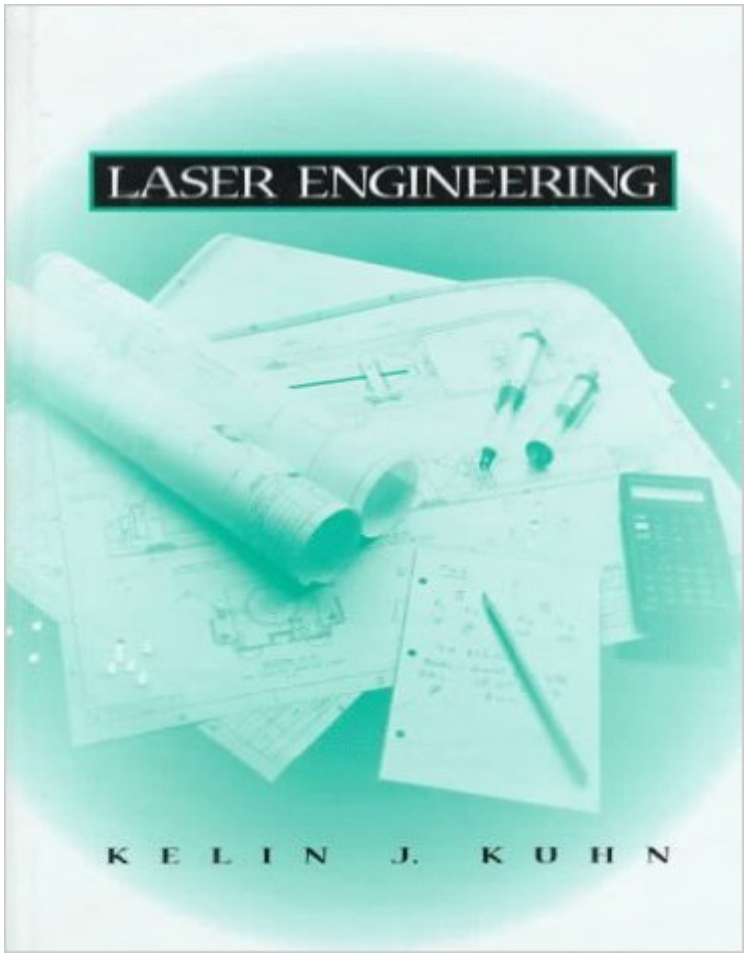
Laser Engineering



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.

Book Information

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Product Dimensions: 7 x 1.2 x 9 inches

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Average Customer Review: 3.3 out of 5 starsÂ Â See all reviewsÂ (3 customer reviews)

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Customer Reviews

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.

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

ISO 11146-1:2005, Lasers and laser-related equipment - Test methods for laser beam widths, divergence angles and beam propagation ratios - Part 1: Stigmatic and simple astigmatic beams Handbook of Laser Wavelengths (Laser & Optical Science & Technology) Laser Engineering Laser Processing of Engineering Materials: Principles, Procedure and Industrial Application Radar and Laser Cross Section Engineering, Second Edition (AIAA Education) Laser-Tissue Interactions: Fundamentals and Applications (Biological and Medical Physics, Biomedical Engineering) Laser Safety: Tools and Training, Second Edition (Optical Science and Engineering) Laser Surface Engineering: Processes and Applications (Woodhead Publishing Series in Electronic and Optical Materials) Laser Technology in Biomimetics: Basics and Applications (Biological and Medical Physics, Biomedical Engineering) Earthquake Engineering: From Engineering Seismology to Performance-Based Engineering Fundamentals of Earthquake Engineering (Civil engineering and engineering mechanics series) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Tissue Engineering I: Scaffold Systems for Tissue Engineering (Advances in Biochemical Engineering/Biotechnology) (v. 1) Halloween Laser-Cut Plastic Stencils (Dover Stencils) Dinosaurs Laser-Cut Plastic Stencils (Dover Stencils) Favorite Birds Laser-Cut Plastic Stencils (Dover Stencils) Roses Laser-Cut Plastic Stencils (Dover Stencils) Build Your Own Working Fiberoptic Infrared and Laser Space-Age Projects Ultrafast Laser Processing: From Micro- to Nanoscale Laser Material Processing