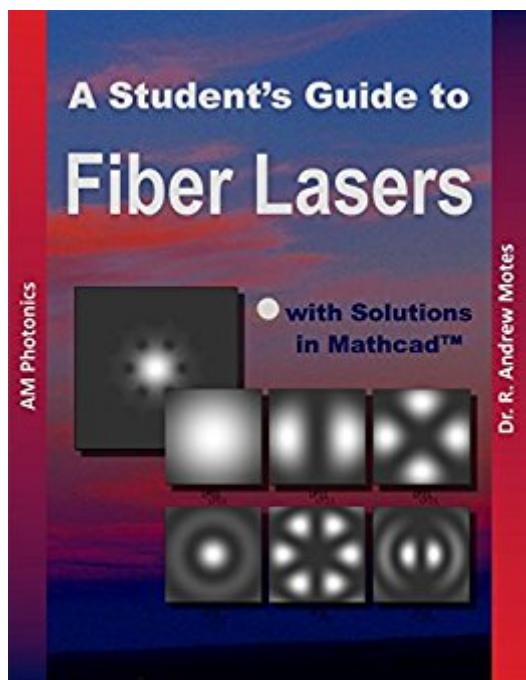


The book was found

A Student's Guide To Fiber Lasers



Synopsis

Everything you need to know about fiber lasers to jumpstart your education, research, or employment in the fields of optics and lasers. You'll learn about step-index fibers, micro-structured fibers (photonic crystal, multi-core, leaky channel, etc.). You'll learn how to calculate modes for the step-index fiber and how to determine stability for micro-structured fibers. You'll learn about optical waveguides and how these are converted to fiber lasers, both continuous-wave and pulsed. The author uses many example problems and the text has web links so you can download all the Mathcad code.

Book Information

File Size: 6602 KB

Print Length: 264 pages

Publisher: AM Photonics (November 5, 2014)

Publication Date: November 5, 2014

Sold by: Digital Services LLC

Language: English

ASIN: B00PB6381Q

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #229,452 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #10 in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Optics #10 in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Light #64 in Books > Science & Math > Physics > Optics

Customer Reviews

A brief, clear and concise explanation of fiber lasers. The book begins with a review of optical waveguides for those who need it and even includes a discussion on photonic crystal fibers. The discussion include mathematical detail but also gives understanding through physical insight. The book then moves on into fiber amplifiers and lasers (including pulsed lasers), and includes detail of the various kinds of rare earth dopants and manufacturing. Once again the physics of lasers is present and nicely supplemented with intuitive explanations. I teach a course in laser theory and

design at a major state university at the advanced undergraduate - beginning graduate level. Since the price of the Kindle addition is so affordable I plan to recommend the book to my students as a great way to understand fiber lasers. One final comment; the book includes numerical example, often lacking in more formal texts on lasers. It even includes the Matlab source code for the examples and exercises in the text. LOTS of useful, easy to read information in relatively few pages. I highly recommend the book.

[Download to continue reading...](#)

Fiber Amplifiers and Fiber Lasers A Student's Guide to Fiber Lasers Foods High in Fiber Cookbook: List of High Fiber Foods for a Healthy Lifestyle - Recipes for High Fiber Foods Corinne T. Netzer Carbohydrate and Fiber Counter: The Most Comprehensive Collection of Carbohydrate and Fiber Data Available (Corinne T. Netzer Carbohydrate & Fiber Counter) Nutrition: The Resistant Starch Bible: Resistant Starch - Gut Health, Fiber, Gut Balance (Gut Balance, Glycemic, Natural Antibiotics, Dietary Fiber, SIBO, Soluble Fiber, Healthy Gut) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics, and Lasers (Optical and Electro-Optical Engineering Series) Fiber Menace: The Truth About the Leading Role of Fiber in Diet Failure, Constipation, Hemorrhoids, Irritable Bowel Syndrome, Ulcerative Colitis, Crohn's Disease, and Colon Cancer by Monastyrsky, Konstantin 1st (first) Edition (10/15/2005) High Fiber Foods For A High Fiber Diet Fat, Fiber & Low Sugar Cookbook: Give the Low Sugar High Fiber Diet a Chance - 40 Delicious & Healthy Recipes That Your Family Will Love High Fiber Recipes: Whole and Healthy High Fiber Recipes For Breakfast, Lunch, Dinner and More (The Easy Recipe) The Frequent Fiber Cookbook: Easy and Delicious Recipes and Tips for People on a High Fiber Diet A Guide to Lasers in Chemistry Understanding Lasers: An Entry-Level Guide Introduction to Optics and Lasers in Engineering 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 Be You-T-Full: Looking your best with Botox, lasers and other magical cosmetic treatments: 1 Lasers In Dentistry - Practical Text Book Lasers in Dentistry Lasers in Aesthetic Surgery

[Dmca](#)