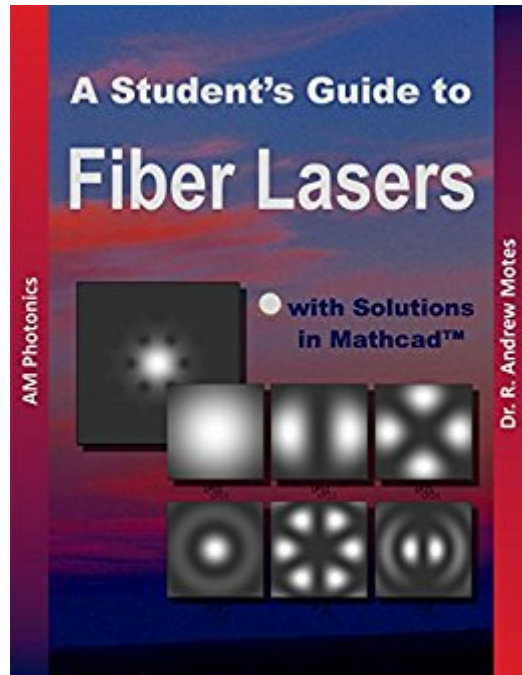




The book was found

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: 6383 KB

Print Length: 355 pages

Publisher: AM Photonics (November 5, 2014)

Publication Date: November 5, 2014

Sold by: Amazon Digital Services LLC

Language: English

ASIN: B00PB6381Q

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Screen Reader: Supported

Enhanced Typesetting: Enabled

Best Sellers Rank: #1,065,902 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #16

in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Electrical & Electronics > Optics > Fiber Optics #70 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Fiber Optics #72 in Kindle Store > Kindle eBooks > Nonfiction > Science > 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 modes o=into fiber amplifiers and lasers (including pulsed lasers), and includes detail of

the various king 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 edition 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 examples, 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...](#)

High Fiber Recipes: 101 Quick and Easy High Fiber Recipes for Breakfast, Snacks, Side Dishes, Dinner and Dessert (high fiber cookbook, high fiber diet, high fiber recipes, high fiber cooking) A Student's Guide to Fiber Lasers Resistant Starch: The Resistant Starch Bible: Resistant Starch - Gut Health, Fiber, Gut Balance (Gut Balance, Glycemic, Natural Antibiotics, Dietary Fiber, SIBO, Soluble Fiber, Healthy Gut Book 1) Foods High in Fiber Cookbook: List of High Fiber Foods for a Healthy Lifestyle - Recipes for High Fiber Foods Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers 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 Cool Punch Needle for Kids:: A Fun and Creative Introduction to Fiber Art (Cool Fiber Art) High Fiber Foods For A High Fiber Diet High Fiber Diet: The 101 Best High Fiber Foods High Fiber Recipes: Whole and Healthy High Fiber Recipes For Breakfast, Lunch, Dinner and More (The Easy Recipe) The Essential High Fiber Cookbook: 40 High Fiber Foods to Make Your Mouth Water The Essential Handbook to the High Fiber Diet: Lose Weight and Lower Your Blood Sugar By Adding Fiber to Your Diet Instead of Counting Calories The Frequent Fiber Cookbook: Easy and Delicious Recipes and Tips for People on a High Fiber Diet Fiber One Fun: 25 Quick, Healthy, and Delicious Fiber Recipes Ready in a Jiffy Easy High FIBER Recipes: Stay fit and healthy: Use the power of high fiber diet to have the perfect body quick and easy Fat, Fiber & Low Sugar Cookbook: Give the Low Sugar High Fiber Diet a Chance - 40 Delicious & Healthy Recipes That Your Family Will Love Fiber! Foods That Give You Daily Fiber - Healthy Eating for Kids - Children's Diet & Nutrition Books Fiber to the Antenna: Fiber Optics Workshop Understanding Lasers: An Entry-Level Guide Lasers in Restorative Dentistry: A Practical Guide

[Contact Us](#)

[DMCA](#)

Privacy

FAQ & Help