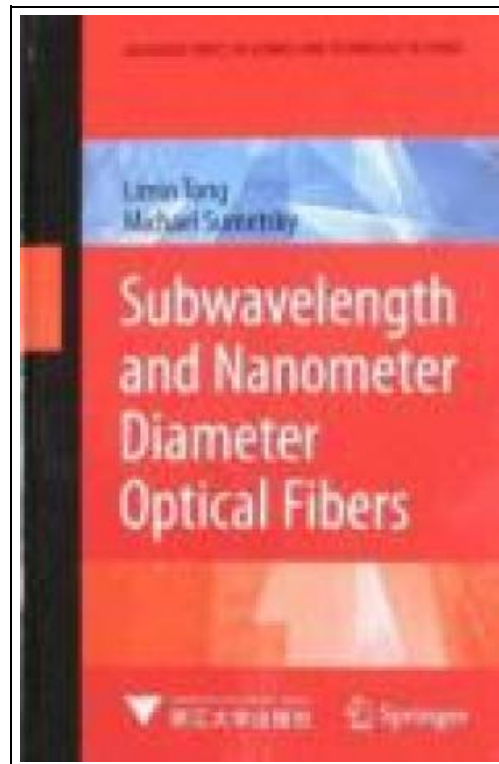


Winner of subwavelength diameter optical fiber (English) (Fine)



Filesize: 4 MB

Reviews

This type of publication is every thing and helped me seeking ahead and much more. It usually fails to charge too much. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Juliet Mertz)

WINNER OF SUBWAVELENGTH DIAMETER OPTICAL FIBER (ENGLISH) (FINE)

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 228 Publisher: Zhejiang University Pub. Date :2009-09-01 version 1. Contents: Introduction1.1 A Brief History of Micro-and Nanofibers1.2 Concepts of MNFs and the Scope of this BookReferences2 Optical Waveguiding Properties of MNFs : Theory and Numerical Simulations2.1 Basic Guiding Properties of Ideal MNFs2.1.1 Mathematic Model2.1.2 Single-mode Condition and Fundamental Modes2.1.3 Fractional Power Inside the Core and Effective Diameter2.1.4 Group Velocity and Waveguide Dispersion2.2 Theory of MNFs with Microscopic Nonuniformities2.2.1 Basic Equations2.2.2 Conventional and Adiabatic Perturbation Theory2.2.3 Transmission Loss Caused by a Weak and Smooth Nonuniformity2.3 Theory of MNF Tapers2.3.1 Semiclassical Solution of the Wave Equation in the Adiabatic Approximation and Expression of Radiation Loss2.3.2 Optics of Light Propagation Along the Adiabatic MNF Tapers2.3.3 Example of a Conical MNF Taper 2.3.4 Example of a Biconical MNF Taper2.3.5 Example of an MNF Taper with Distributed Radiation Loss2.4 The Thinnest MNF Optical Waveguide2.5 Evanescent Coupling between Parallel MNFs: 3D-FDTD Simulation 2.5.1 Model for FDTD Simulation2.5.2 Evanescent Coupling between two Identical Silica MNFs 452.5.3 Evanescent Coupling between two Silica MNFs with Different Diameters2.5.4 Evanescent Coupling between a Silica MNF and a Tellurite MNF2.6 Endface Output Patterns2. 6.1 MNFs with Flat Endfaces2.6.2 MNFs with Angled Endfaces2.6.3 MNFs with Spherical and Tapered Endfaces2.7 MNF Interferometers and Resonators2.7.1 MNF Mach-Zehnder and Sagnac Interferometers2.7.2 MNF Loop Resonators2.7.3 MNF Coil ResonatorsReferences3 Fabrication of MNFs3.1 Taper Drawing Techniques3.2 Taper-drawing Fabrication of Glass MNFs3.2.1 Taper Drawing MNFs from Glass Fibers3.2.2 Drawing MNFs Directly from Bulk Glasses3.3 Drawing Polymer MNFs from SolutionsReferences4 Properties of MNFs: Experimental Investigations4.1 MicroNanomanipulation and Mechanical Properties of MNFs4.1.1 Visibility of MNFs4.1.2 MNF Manipulation4.1.3 Tensile Strengths of MNFs4.2 Optical Properties4.2.1 Optical Losses4.2.2 Effect of the Substrate References5 MNF-based Photonic Components and Devices5.1 Linear Waveguides and Waveguide Bends5.1.1...



[Read Winner of subwavelength diameter optical fiber \(English\) \(Fine\) Online](#)



[Download PDF Winner of subwavelength diameter optical fiber \(English\) \(Fine\)](#)

Relevant Books



TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save](#) [Document](#)

»



Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book....

[Save](#) [Document](#)

»



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save](#) [Document](#)

»



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save](#) [Document](#)

»



JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2006-01-01 Pages: 179 Publisher: the China Pictorial Our book is all...

[Save](#) [Document](#)

»