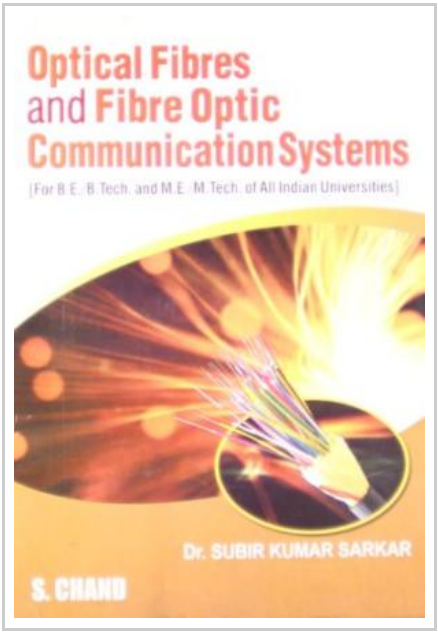

Optical Fibres and Fibre Optical Communication Systems

By Dr Subir Kumar Sarkar

S. Chand & Company Ltd., 2008. Softcover. Book Condition: New. 5th or later edition. For B.E./B.Tech. & M.Tech. of all Indian Universities. The present book has been written, specially to meet the requirement of students, and is based on lectures given by the Author, at Bengal Engineering College, Kolkata. It fully covers a two semester undergraduate course in electronics and telecommunication engineering and applied physics. The book provides very systematic , clear and in logical sequence, description of various topics, in a very lucid and simple style, specially its mathematical approach and its interpretation. Starting with the fundamentals of `Fibre Optics` , the cheif characteristics various components in the chain have been explained in 20 chapters. Contents: 1. INTRODUCTION 2.REFRACTIVE INDEX AND VELOCITY OF LIGHT 3.CLASSIFICATION OF OPTICAL FIBRES 4. FIBRE FABRICATION 5.FIBRE CABLES 6.OPTICAL FIBRE AS A CYCINDRICAL WAVE GUIDE 7. FIBRE LOSSES 8. DISPRESION IN OPTICAL FIBRES 9.IIGHT SOURCES FOR OPTICAL FIBRES 10. PHOTO DETECTORS 11. NOISE CONTROL IN OPTICAL FIBRES 12. OPTICAL COUPLIERS 13. SPLICING 14. MULTIPLEXERS AND DE-MULTIPLEXERS 15. COMMUNICATION SYSTEMS (GENERAL) 16. FIBRE OPTIC SENSORS 17.MODULATION 18. OPTICAL FIBRE COMMUNICATION SYSTEMS 19. SPECIAL APPLICATIONS 20. MEASUREMENTS ON FIBRES 21.HOLOGRAPHY ***Objective Type Questions , Additional Question...

Reviews

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