



Optical Fiber Characterization: Backscatter, Time Domain Bandwidth, Refracted Near Field, and Interlaboratory Comparisons (Classic Reprint) (Paperback)

By B L Danielson

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Optical Fiber Characterization: Backscatter, Time Domain Bandwidth, Refracted Near Field, and Interlaboratory Comparisons The characterization of optical fiber waveguides has been an important topic ever since the first low-loss fiber was fabricated in 1970. Fiber measurements remain a frequent meeting topic and several books have been written on the subject. During the past several years, a number of measurement systems have been developed at the National Bureau of Standards. This book is the first volume of a series intended to describe the design and performance of these systems. Volume I includes a description of systems to measure the backscatter, bandwidth (time domain), and index profile (refracted near field) of Optical fibers. Chapters describing these systems are minor revisions of former nbs Technical Notes many of which are now out of print. Descriptions are representative of current practice in the industry and much of the material will be relevant to future systems. Each chapter contains a brief tutorial on the particular subject and a detailed description of the system. This level of engineering detail is not usually found in other books on...



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