



fiber-optic sensing technology and application

By WANG YU TIAN DENG

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pages Number: 369 Publisher: Beijing Aerospace University Press Pub. Date: 2009 - 09-01. This book discusses the use of fiber optical sensors. light sources. optical detectors and fiber-optic sensor and its system of principles. characteristics. applications. The main contents include: the structural characteristics of optical fiber. optical properties and transmission characteristics; fiber optic sensors use light sources. such as gas-discharge light source. pulsed xenon lamps. semiconductor light source. the basic characteristics of the laser light source; thermal detectors. photoemission detectors. photoconductive detectors. photodiodes and other optical and spectral characteristics of the mechanism; hybrid optical fiber sensors. fiber Bragg grating sensors. fiber optic fluorescence sensors. fiber optic temperature sensors. gas sensors and optical fiber gyroscopes and other principles. characteristics and general design method. Book available control technology. optics. precision instruments. optical engineering and other disciplines. students and teachers to read. but also for engineering-related research in the field officers. Contents: Chapter 1 the basic properties of optical fiber 1.1 Introduction 1.2 Structure of the fiber structure and classification 1.2.1 1.2.2 1.3 Classification of optical fiber light guide light in the...



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