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(Melody Jakubowski)

ERROR THEORY AND CURVE FITTING THE NEW CENTURY SCIENCE SERIES



paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 300 Publisher: Harbin Engineering University Pub. Date :2010-01-01 version 1. Error theory and curve fitting Deep introduction to the principles of measurement data processing and calculation methods. including: measurement error when the theory of propagation of errors and aggregate. calculate the error function is the sum of a variety of different ways. ranging from precision measurement. systematic error criterion for the existence and value of removing the bad criteria. operation and accuracy of least-squares estimates. the use of mapping, semi-precision mapping method. the average method. interpolation and least squares curve fitting of the experimental. in order to get the true relationship between variables - test equation. Edited by the Shi Zhendong this error theory and curve fitting as colleges precision instruments. machinery design. machinery and electronics. chemical instrumentation. measurement geometry and other professional materials. also for other engineering and technical officers. In order to facilitate learning, each chapter are thinking questions and exercises, and with the answer, for reference. Contents: Introduction - the importance of this course on theory and data processing error code Chapter 1 Preliminaries 1.1 error correction logic to determine the type and value of the error axiom 1.3 1.2 absolute error, relative error and reference error of approximation 1.5 1.4 1.6 random error classification errors and systematic errors of the dialectical relationship between the 1.7 precision, accuracy, accuracy of the meaning of the 1.8 approximation of arithmetic at the agreed calculation rules 1.9 arithmetic when the error is calculated (extreme value method) 1.10 approximate formula for the error analysis of thinking about problems and Exercises Chapter 2 Introduction 2.1 random variables in probability theory a few terms and concepts that t



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