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Autore	Coleman Hugh W.
Titolo	Experimentation, validation, and uncertainty analysis for engineers // by Hugh W. Coleman and W. Glenn Steele
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ISBN	1-119-41770-8 1-119-41766-X 1-119-41798-8
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (387 pages)
Disciplina	620.0072
Soggetti	Engineering - Experiments Uncertainty Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First edition entitled: Experimentation and uncertainty analysis for engineers.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Helps engineers and scientists assess and manage uncertainty at all stages of experimentation and validation of simulations Fully updated from its previous edition, Experimentation, Validation, and Uncertainty Analysis for Engineers, Fourth Edition includes expanded coverage and new examples of applying the Monte Carlo Method (MCM) in performing uncertainty analyses. Presenting the current, internationally accepted methodology from ISO, ANSI, and ASME standards for propagating uncertainties using both the MCM and the Taylor Series Method (TSM), it provides a logical approach to experimentation and validation through the application of uncertainty analysis in the planning, design, construction, debugging, execution, data analysis, and reporting phases of experimental and validation programs. It also illustrates how to use a spreadsheet approach to apply the MCM and the TSM, based on the authors' experience in applying uncertainty analysis in complex, large-scale testing of real engineering systems. Experimentation, Validation, and Uncertainty Analysis for Engineers,

Fourth Edition includes examples throughout, contains end of chapter problems, and is accompanied by the authors' website www.uncertainty-analysis.com. Guides readers through all aspects of experimentation, validation, and uncertainty analysis Emphasizes the use of the Monte Carlo Method in performing uncertainty analysis Includes complete new examples throughout Features workable problems at the end of chapters Experimentation, Validation, and Uncertainty Analysis for Engineers, Fourth Edition is an ideal text and guide for researchers, engineers, and graduate and senior undergraduate students in engineering and science disciplines. Knowledge of the material in this Fourth Edition is a must for those involved in executing or managing experimental programs or validating models and simulations.

2. Record Nr.	UNINA9911047861303321
Titolo	Archiv für Protistenkunde
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ISSN	2213-5553
Descrizione fisica	1 online resource
Disciplina	593
Soggetti	Protozoa Eukaryota Microbiology Periodical
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Periodico