

1. Record Nr.	UNINA990003666970403321
Autore	D'Aria, Francesco Maria
Titolo	Un restauratore sociale. Storia critica della vita di S. Francesco de Geronimo da documenti inediti. Saggio sui suoi autografi. Le sue lettere inedite / F.M. D'Aria
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Lingua di pubblicazione	Italiano
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2. Record Nr.	UNINA9910437787003321
Autore	Imboden Dieter M. <1943->
Titolo	Introduction to systems analysis : mathematically modeling natural systems / / Dieter M. Imboden, Stefan Pfenninger ; cartoons by Nikolas Sturchler
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2013
ISBN	3-642-30639-X
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Descrizione fisica	1 online resource (255 p.)
Altri autori (Persone)	PfenningerStefan SturchlerNikolas
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Soggetti	Biological systems - Mathematical models System analysis
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Mathematical models -- 3. Static models -- 4. Linear one dimensional models -- 5. Linear multi dimensional Models -- 6. Non-linear models -- 7. Time discrete models -- 8. Models in time and space -- A. List of symbols -- B. Dimensions and units -- C.

Formulary -- D. Eigenvalues -- E. Time-dependent diffusion equation
-- Bibliography -- Index.

Sommario/riassunto

This book builds an understanding of what systems are and how they can be described mathematically. In the context of natural science, this knowledge is of great importance. The intended audience are students in applied sciences such as earth and environmental science, geoecology, environmental chemistry and forestry. The focus is on the methods of modeling, with the aim to let readers develop models of their own as well as analyze the properties of models they encounter. Numerous practical examples from the environmental sciences illustrate the concepts, and exercises accompany each chapter. The book is written so as to be easily understandable and includes humorous cartoons. There is no derivation of mathematical formulas or technical description of modeling software. It does, however, require an understanding of calculus for the reader to apply the mathematical methods it introduces.
