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Modeling the Environment (2nd Revised edition)

By Andrew Ford

Island Press. Paperback. Book Condition: new. BRAND NEW, Modeling the Environment (2nd Revised edition), Andrew Ford, "Modeling the Environment" was the first textbook in an emerging field - the modeling techniques that allow managers and researchers to see in advance the consequences of actions and policies in environmental management. This new edition brings the book thoroughly up to date and reaffirms its status as the leading introductory text on the subject. System dynamics is one of the most widely used methods of modeling. The fundamental principles of this approach are demonstrated here with a wide range of examples, including geohydrology, population biology, epidemiology, and economics. The applications demonstrate the transferability of the systems approach across disciplines, across spatial scales, and across time scales. All of the models are implemented with stock and flow software programs such as Stella and Vensim, which are easy for students to learn and use.

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