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## Sommario/riassunto

"This book is the result of almost thirty years of research on fuzzy modeling. It provides a unique view of both the theory and various types of applications. The book is divided into two parts. The first part contains an extensive presentation of the theory of fuzzy modeling. The second part presents selected applications in three important areas: control and decision-making, image processing, and time series analysis and forecasting. The authors address the consistent and appropriate treatment of the notions of fuzzy sets and fuzzy logic and their applications. They provide two complementary views of the methodology, which is based on fuzzy IF-THEN rules. The first, more traditional method involves fuzzy approximation and the theory of fuzzy relations. The second method is based on a combination of formal fuzzy logic and linguistics. A very important topic covered for the first time in book form is the fuzzy transform (F-transform). Applications of this theory are described in separate chapters and include image processing and time series analysis and forecasting. All of the mentioned components make this book of interest to students and researchers of fuzzy modeling as well as to practitioners in industry"--

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Sommario/riassunto	Water quality modeling is a powerful tool to help in understanding the processes and factors that influence water quality in potable water distribution systems. Updated and expanded from the 1998 edition, this book will help you set up a realistic mathematical simulation of your distribution system and your water quality to let you determine the fate of contaminants as they travel through the distribution system. Chapters outline the major elements involved in water quality modeling

and the development of applications of water quality models.

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