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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Author; Chapter 1 - Introduction; Chapter 3 - Compartment Approach, Transport Mechanisms, and Boundary Conditions; Chapter 4 - Source and Sink Terms; Chapter 5 - Solution Techniques for Steady-State Problems; Chapter 6 - Solution Techniques for Dynamic Problems; Appendix: Introduction to Matrices and Matrix Operations; Back Cover
Sommario/riassunto	This book examines mathematical modeling and computer simulations that estimate the distribution of chemical contaminants in environmental media in time and space. Discussing various modeling issues in a single volume, this text provides an introduction to a specific numerical modeling technique called the compartment approach and offers a practical user's guide to the GEM. It includes the Generic Environmental Model (GEM) software package, which implements the techniques described. The author presents algorithms

for solving linear and nonlinear systems of algebraic equations as well
as systems of linear and nonlinear partial differential equations--
