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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	From the Contents: Introduction -- Engineering Approach -- Geostatistical Approach -- Model Identification -- Transformation of Geological Objekts' Properties into Effective Model Parameters -- Examples of Liner Transforming Mechanisms -- Examples of Non-Linear Transforming Mechanisms -- Evaluation of Transforming Mechanisms -- Inverse Problems and Transforming Mechanisms -- Convection Solute Transport through Porous Media.
Sommario/riassunto	Geological models used in predictive hydrogeological modeling are not exact replicas of the objects they represent: many details related to structures and properties of the objects remain unknown. Those details may considerably affect simulation results. A provable evaluation of the uncertainty of hydrogeological and solute transport simulations are almost impossible. In this book, the author describes how to obtain the best-possible results in simulations, based on the available data and predefined criteria that are turned into transforming mechanisms. The

latter are mathematical expressions for evaluating model parameters supporting effective simulations. Examples of the mechanisms as well as methods of their evaluation are provided in this book. It is also shown how these mechanisms can be used for the interpretation of hydrogeological data. The first edition of this book was published in the series SpringerBriefs in Earth Sciences.
