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Nota di contenuto	Recent Advances in Statistical and Scaling Analyses of Earth and Environmental Variables Environmental Variables -- A new P-K-S Characteristic-Based Multiple Phase Flow Model for Simulation Compressible Subsurface Flows -- Fluid Pressure Redistribution Events within a Fault: Impact of Material Property Correlation -- Sparsity-Promoting Solution of Subsurface Flow Model Calibration Inverse Problems -- Analytic Modelling of Transient Multi-Layer Flow -- Tortuosity and Archie's Law -- Measurement of Streaming Potentials Generated during Laboratory Simulations of Unconfined Aquifer Tests -- Description, Analysis and Interpretation of an Infiltration Experiment in a Semi-Arid Deep Vadose Zone -- Unconfined Aquifer Flow Theory – From Dupuit to Present -- Index.
Sommario/riassunto	This book brings together different types of advances in hydrogeology, including mathematical and numerical conceptualization changes, different approaches to simulating groundwater flow and transport, and both field and laboratory hydrogeologic characterization advances. Each chapter extends or summarizes a recent development in hydrogeology, with forward-looking statements regarding both the strengths and limitations of each new advances. .