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| Nota di contenuto | Geostatistics: Modeling Spatial Uncertainty; Contents; Preface to the Second Edition; Preface to the First Edition; Abbreviations; Introduction; Types of Problems Considered; Description or Interpretation?; 1. Preliminaries; 1.1: Random Functions; 1.2: On the Objectivity of Probabilistic Statements; 1.3: Transitive Theory; 2. Structural Analysis; 2.1: General Principles; 2.2: Variogram Cloud and Sample Variogram; 2.3: Mathematical Properties of the Variogram; 2.4: Regularization and Nugget Effect; 2.5: Variogram Models; 2.6: Fitting a Variogram Model 2.7: Variography in the Presence of a Drift2.8: Simple Applications of the Variogram; 2.9: Complements: Theory of Variogram Estimation and Fluctuation; 3. Kriging; 3.1: Introduction; 3.2: Notations and Assumptions; 3.3: Kriging with a Known Mean; 3.4: Kriging with an Unknown Mean; 3.5: Estimation of a Spatial Average; 3.6: Selection of a Kriging Neighborhood; 3.7: Measurement Errors and Outliers; 3.8: Case Study: The Channel Tunnel; 3.9: Kriging Under Inequality Constraints; 4. Intrinsic Model of Order k; 4.1: Introduction; 4.2: A Second Look at the Model of Universal Kriging |

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| Sommario/riassunto | Praise for the First Edition  ""... a readable, comprehensive volume that . . . belongs on the desk, close at hand, of any serious researcher or practitioner."" -Mathematical Geosciences The state of the art in geostatistics Geostatistical models and techniques such as kriging and stochastic multi-realizations exploit spatial correlations to evaluate natural resources, help optimize their development, and address environmental issues related to air and water quality, soil pollution, and forestry. Geostatistics: Modeling Spatial Uncertainty, Second Edition presents a comprehensive |