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Nota di contenuto	Rainfall Scattered Data Interpolation Using Rational Quartic Triangular Patches -- A hybrid metaheuristic algorithm for truss structure domain' s optimization problem -- Electric Field Behavior in Time Domain of Semicircle Antenna in Homogeneous Multi Layered Media -- Surface Interpolation Using Rational Bi-Quartic Spline -- A Genetic Algorithm Approach to Building the Fuzzy Interval Random Regression Model and Its Application -- Positivity-Preserving Interpolation using Rational Quartic Spline Functions -- Decision Support Method for Agricultural Irrigation Scenarios Performance Using WEAP Model -- Bayesian variable selection for linear models using I-priors -- On the space of delta m-subharmonic functions.
Sommario/riassunto	This book presents theoretical modeling and numerical simulations applied to drive several applications towards Industrial Revolution 4.0 (IR 4.0). The topics discussed range from theoretical parts to extensive simulations involving many efficient algorithms as well as various statistical techniques. This book is suitable for postgraduate students, researchers as well as other scientists who are working in mathematics, statistics and numerical modeling and simulation.