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Descrizione fisica	1 online resource (x, 340 pages) : illustrations
Collana	Essential Fields of Physics
Disciplina	530.15
Soggetti	Physics - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Chapter 1: Introduction -- Chapter 2: Getting Comfortable -- Chapter 3: Interpolation and Data Fitting -- Chapter 4: Searching for Roots -- Chapter 5: Numerical Quadrature -- Chapter 6: Ordinary Differential Equations -- Chapter 7: Fourier Analysis -- Chapter 8: Monte Carlo Methods -- Chapter 9: Partial Differential Equations -- Chapter 10: Advanced Numerical Quadrature -- Chapter 11: Advanced ODE Solver and Applications -- Chapter 12: High-Performance Computing -- Bibliography -- Appendix: A Crash Course in C++ Programming -- Index
Sommario/riassunto	This updated edition provides an introduction to computational physics in order to perform physics experiments on the computer. --