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Descrizione fisica	1 online resource (xxviii, 503 pages) : digital, PDF file(s)
Collana	Cambridge texts in biomedical engineering
Altri autori (Persone)	RakeshVineet
Disciplina	571.6/40113
Soggetti	Biological transport - Computer simulation
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Problem formulation -- Software implementation 1 -- Software implementation 2 -- Software implementation 3 -- Validation, sensitivity analysis, optimization and debugging -- Case studies -- Governing equations and boundary conditions -- Source terms -- Material properties and other input parameters -- Solving the equations : numerical methods.
Sommario/riassunto	"Organized around problem solving, this book gently introduces the reader to computational simulation of biomedical transport processes, bridging fundamental theory with real-world applications. Using this book the reader will gain a complete foundation to the subject, starting with problem simplification, implementation in software, through to interpretation of results, validation, and optimization"--Provided by publisher.

