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Simulation-based Control
Stochastic Models and their Simulation
Forthcoming Sets

Discrete Element Model and Simulation of Continuous Materials Behavior coordinated by Ivan Iordanoff

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Variational Methods for Engineers with Matlab by Souza de Cursi Eduardo

Discrete Element Model and Simulation of Continuous Materials Behavior
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3D Discrete Element Workbench for Highly Dynamic Thermo-mechanical Analysis
by Charles Jean-Luc, Andre Damien, Iordanoff Ivan
Discrete Element Method to Model 3D Continuous Materials
by Jebahi Mohamed, Andre Damien, Terreros Inigo, Iordanoff Ivan
Discrete-continuum Coupling Method to Simulate Highly Dynamic Multi-scale Problems
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Eduardo Souza de Cursi, National Institute for Applied Sciences, Rouen, France
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This book offers an in-depth presentation of the finite element method, aimed at engineers, students and researchers in applied sciences. The description of the method is presented in such a way as to be usable in any domain of application. The level of mathematical expertise required is limited to differential and matrix calculus.

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2. Various Types of Elements.
3. Integral Formulation.
4. Matrix Presentation of the Finite Element Method.

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Edited by Vladislav A. Yastrebov, Mines ParisTech, France

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ISBN: 9781848215191 • 2013 • 416 pages • USD 145.00 • ISTE-WILEY

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