

Multiscale Methods In Computational Mechanics

[DOWNLOAD HERE](#)

Content: Part 1: Computational Fluid Dynamics: Residual-based Variational Multiscale Theory of LES Turbulence Modeling, by Y. Bazilevs, V.M. Calo, T.J.R. Hughes, and G. Scovazzi.- A Posteriori Error Estimation for Computational Fluid Dynamics. The Variational Multiscale Approach, by G. Hauke, M.H. Doweidar, and D. Fuster.- Advances in Variational Multiscale Methods for Turbulent Flows, by P. Gamnitzer, V. Gravemeier, and W.A. Wall.- Variational Germano Approach for Multiscale Formulation, by I. Akkerman, S.J. Hulshoff, K.G. van der Zee, and R. de Borst.- Dissipative Structure and Long Term Behavior of a Finite Element Approximation of Incompressible Flows with Numerical Subgrid Scale Modeling, by R. Codina, J. Principe, and S. Badia.- Large-eddy Simulation of Multiscale Particle Dynamics at High Volume Concentration in Turbulent Channel Flow, by B.J. Geurts.- Part 2: Materials with Microstructure, An Incremental Strategy for Modeling Laminate Microstructures in Finite Plasticity Energy Reduction, Laminate Orientation and Cyclic Behavior, by K. Hackl, and D.M. Kochmann.- The Micromorphic vs. Phase Field Approach to Gradient Plasticity and Damage with Application to Cracking in Metal Single Crystals, by O. Aslan, and S. Forest.- Homogenization and Multiscaling of Granular Media for Different Microscopic Constraints, by C. Miehe, J. Dettmar, and D. Zh.- Effective Hydraulic and Mechanical Properties of Heterogeneous Media with Interfaces, by L. Dormieux, L. Jeannin, and J. Sanahuja.- An Extended Finite Element Method for the Analysis of Submicron Heat Transfer Phenomena, by P. Lee, R. Yang, and K. Maute.- Part 3: Composites, Laminates and Structures.- Optimization: Multiscale Modeling and Simulation of Composite Materials and Structures, by J. Fish... EAN/ISBN : 9789048198092 Publisher(s): Springer Netherlands, Springer Science & Business Media Format: ePub/PDF Author(s): Borst, Ren de - Ramm, Ekkehard

[DOWNLOAD HERE](#)

Similar manuals:

[Multiscale Methods In Computational Mechanics](#)