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Motivation. Numerical methods such as the finite difference method, finite-volume method, and finite element method were originally defined on meshes of data points.

Meshfree methods - Wikipedia

Finite-difference time-domain or Yee's method (named after the Chinese American applied mathematician Kane S. Yee, born 1934) is a numerical analysis technique used ...

Finite-difference time-domain method - Wikipedia

Isogeometric analysis: CAD, finite elements, NURBS, exact geometry and mesh refinement

Isogeometric analysis: CAD, finite elements, NURBS, exact

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Mathematical Methods in the Applied Sciences - Wiley

Crystal Plasticity Finite Element, grain, grain boundary, CPFE, polycrystal model, texture, mechanics, aluminum, steel, earing, anisotropy, dislocation, constitutive ...

CPFEM, strain map. crystal plasticity, crystal plasticity

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DAMASK, micromechanical modeling, sheet forming, simulation, yield surface, crystal plasticity, CPFE, CPFEM, DAMASK, spectral solver, micromechanics, damage, Finite ...

Sheet Forming Simulations using Crystal Plasticity Finite

Numerical Methods for Differential Equations Chapter 5: Partial differential equations "elliptic and parabolic Gustaf Soderlind and Carmen Ar" evalo'

Numerical Methods for Differential Equations

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Finite Elements in Analysis and Design - Journal - Elsevier

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Applied Mathematics and Computation - Journal - Elsevier

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Communications in Statistics - Theory and Methods: Vol 47

Designing to control movements became possible with the development of non-linear finite element analysis in the early 1970s. However, it was not a practical

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