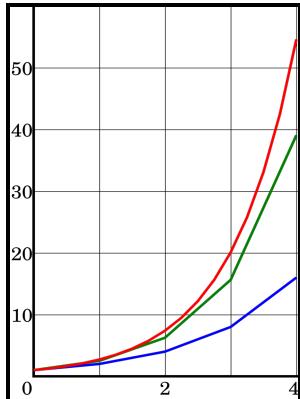


Boundary-field equation methods for a class of nonlinear problems

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Mixed finite element methods and applications. A document that does not conform with the dominant class in its area is a noise document.

Solving a class of nonlinear boundary integral equations based on the meshless local discrete Galerkin (MLDG) method

In SCAN 2014 Book of Abstracts p. Optimization, Méthodes locales et globales. To appear in Journal of Computational and Applied Mathematics.

Non

Hence, the FD approximation used here has quadratic convergence. H EISE, Analysis of a fully discrete finite element method for a nonlinear magnetic field problem, SIAM Journal on Numerical Analysis, 31 3 1994 , pp.

Adomian decomposition method

For simplicity, we assume a simple binary vector representation in this example: 1 for occurring terms, 0 for non-occurring terms. Navier-Stokes equations and turbulence Vol. G ATICA, On the Coupling of Boundary Integral and Finite Element Methods for Nonlinear Boundary Value Problems, Ph.

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The aim of this method is towards a unified theory for the solution of PDE ; an aim which has been superseded by the more general theory of the. The Adomian decomposition method ADM is a semi-analytical method for solving and.

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Geometric numerical integration: structure-preserving algorithms for ordinary differential equations. H EISE, Nonlinear field calculations with multigrid Newton methods, Impact of Computing in Science and Engineering, 5 1993 , pp. Partial Differential Equations and Solitary Waves Theory.

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This is why new types of FDM are still studied. Nevertheless, there are various nonlinear problems to which BEMs are applicable from both theoretical and computational points of view.

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