

# The Least-Squares Finite Element Method: Theory And Applications In Computational Fluid Dynamics And Electromagnetics (Scientific Computation) By Bo-nan Jiang

By Bo-nan Jiang

least squares finite element methods Bo-nan Jiang Language : en and can solve a wide range of problems in fluid dynamics and electromagnetics.

The Least-Squares Finite Element Method Theory and Applications in Computational Fluid Dynamics and Electromagnetics | Bo-nan in Computational Fluid Dynamics

This is the first book devoted to the least-squares finite element method Theory and Applications in Computational Fluid Dynamics and Jiang, Bo-nan

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The method of least squares is a standard approach in regression analysis to the approximate solution of depending on a finite number of unknown

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ANALYSIS OF LEAST SQUARES FINITE ELEMENT METHODS 481 This is particularly important for large-scale computations since standard Galer- kin mixed methods produce The least-squares finite element method : theory and applications in computational fluid dynamics and Scientific computation: Responsibility: Bo-nan Jiang:

On finite element methods of the least squares type 91 To obtain an estimate for  $\|IeI_b\|$ , we shall need the Grid Decomposition Property discussed in section 2. LEMMA 2

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in Incompressible Fluid-dynamics, Journal of Scientific Least-Squares Finite Element Method Enriched with Residual-Free Bo-nan Jiang ,

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analysis and implementation of the least-squares finite element method (LSFEM) for fluid dynamics and electromagnetics applications. Jiang, Bo-Nan

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