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ISSUES RELATED TO LEAST-SQUARES FINITE ELEMENT1. Introduction. Least-squares Nite Element Methods Have Always Held Out The Attraction Of Yielding Discrete Linear Systems That Are Symmetric And Positive De Nite Even For Problems For Which Other Methods, E.g., Mixed Nite Element Methods, Fail To Do So; See, E.g., [2]{[48], [50]{[56], [58], And [60]{[84]. In Many Settings Such As The Mar 8th, 2024Least Squares Finite Element Method For 3D Unsteady ... Abstract - In This Paper A Study To Application Of Least Squares Finite Element Method (LSFEM) Is Made And With Auxiliary Equations (temperature Derivatives) In The Solution Of Transient Three-dimensional DiffusionReaction. In - Order To Do So, Two Applications Are Presented And Discussed, One Of Them Pure Diffusion And Another Diffusion- Mar 7th, 2024A Least-Squares Finite Element Approximation For The ...This Article Studies A Least-squares Finite Element Method For The Numerical Approximation Of Compressible Stokes Equations. Optimal Order Error Estimates For The Velocity And Pressure In TheH1 Are Established. The Choice Of Finite

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