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Fast Parallel Iterative Solution of Poisson ϵ^{TM} s and the Biharmonic Equations on Irregular Regions

Fast Parallel Iterative Solution of Poisson ϵ^{TM} s and the

Parallel iterative solution method for large sparse linear equation systems Rashid Mehmood and Jon Crowcroft University of Cambridge Computer Laboratory, Cambridge, UK. ... delivering solution speeds almost as fast as the sparse methods. Secondly, because (although it is symbolic)

Parallel iterative solution method for large sparse linear

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A FAST ITERATIVE METHOD FOR SOLVING THE EIKONAL EQUATION ON TETRAHEDRAL DOMAINS. ZHISONG FU , ROBERT M. KIRBY , AND ROSS T. WHITAKER Abstract. Generating numerical solutions to the eikonal equation and its many variations has a broad range of applications in both the natural and computational sciences.

A FAST ITERATIVE METHOD FOR SOLVING THE EIKONAL

towards the ϵ -optimal solution [36]. Mathematically, when an ML program is executed in a perfectly synchronized data-parallel fashion on P workers, the iterative-convergent Eq. 1 becomes $A(t) = A(t^{\wedge}1) + \hat{\alpha}^{\wedge}P \sum_{p=1}^P \hat{I}^{\wedge}(A(t^{\wedge}1), D_p)$, (2) where D_p is the data partition allocated to worker p (distinct from D_i , which means the i -th single data point).

Managed Communication and Consistency for Fast Data

Iterative Methods and Parallel Algorithms S. D. Margenov I. D. Lirkov margenov@parallel.bas.bg ivan@parallel.bas.bg Institute for Parallel Processing, Bulgarian Academy of Sciences, Soa, Bulgaria ... fast enough iterative solution methods. Parallel Algorithms $\hat{\alpha}$ p. 26/50. Preconditioned CG Method

Iterative Methods and Parallel Algorithms

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Fast Parallel PageRank: A Linear System Approach

In this paper several parallel implementations of the fast sweeping method are presented. These parallel algorithms are simple and efficient due to the causality of the underlying partial differential equations. Numerical examples are used to verify our algorithms. AMS subject classifications. 65N06, 65N12, 65N15, 35L60.

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