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[Team LiB]

This is the first tutorial in the "Livermore Computing Getting Started" workshop. It is intended to provide only a very quick overview of the extensive and broad topic of Parallel Computing, as a lead-in for the tutorials that follow it.

Introduction to Parallel Computing

1. Introduction (figures:) Motivating Parallelism Scope of Parallel Computing Organization and Contents of the Text 2. Parallel Programming Platforms (figures:) (GK lecture slides) (AG lecture slides) Implicit Parallelism: Trends in Microprocessor Architectures

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Introduction to Parallel Computing. Addison Wesley, ISBN: 0-201-64865-2, 2003. Ananth Grama, Purdue University, W. Lafayette, IN 47906 (ayg@cs.purdue.edu)

Introduction to Parallel Computing - Purdue University

This course will serve as a basic introduction to the field of parallel computing. Emphasis will be on the fundamental principles for parallel algorithm design and analysis, and parallel programming for distributed and shared memory parallel machines. Topics to be covered (not necessarily in order) include (but not limited to):

CPT S 411: 1INTRODUCTION TO PARALLEL COMPUTING

Finally, the result of the parallel prefix sums operation of the second step is added to all the n/p prefix sums of the first step at each processor in $t_{add}n/p$ time. Therefore, $TP = (2n/p - 1)t_{add} + (t_{add} + t_s + t_w) \log p$. 11 Consider a square mesh without wraparound connections.

Solution(1) - SlideShare

i Preface This instructors guide to accompany the text " Introduction to Parallel Computing " contains solutions to selected problems. For some problems the solution has been sketched, and the details have been left out. When solutions to problems are available directly in publications, references have been provided. Where necessary, the solutions are supplemented by figures.

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