



High Performance Computing Systems and Applications

By Kent, Robert D. / Sands, Todd W.

Book Condition: New. Publisher/Verlag: Springer, Berlin | High Performance Computing Systems and Applications contains fully refereed papers from the 15th Annual Symposium on High Performance Computing. These papers cover both fundamental and applied topics in HPC: parallel algorithms, distributed systems and architectures, distributed memory and performance, high level applications, tools and solvers, numerical methods and simulation, advanced computing systems, and the emerging area of computational grids. High Performance Computing Systems and Applications is suitable as a secondary text for graduate level courses, and as a reference for researchers and practitioners in industry. | Preface. Part I: Keynote Presentations. 1. An ASP Model for Large-Scale Genomics in a High-Performance Computing Environment ; J. Cuticchia, L. Zaifman, S. Wallace, G. Hulbert, G.W. Silk. 2. Compaq Computer Corporation - Providing the Computing Needs for the 21st Century Life Science Industry ; B. Foster. 3. Supercomputer Market Dynamics ; P. Tannenbaum. 4. Compaq's Strategy for High Performance Technical Computing ; I. Weiss. 5. HPTC - What Really Restrains Our Progress ; B. Brett. 6. Multidisciplinary Design Optimization of a Full Vehicle With High Performance Computing ; Ren-Jye Yang. 7. HTP Protein Crystallization for Structural Genomics: Case-based reasoning and knowledge discovery ; I. Jurisica. Part II: Grid Session. 8. GRIDS:...



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