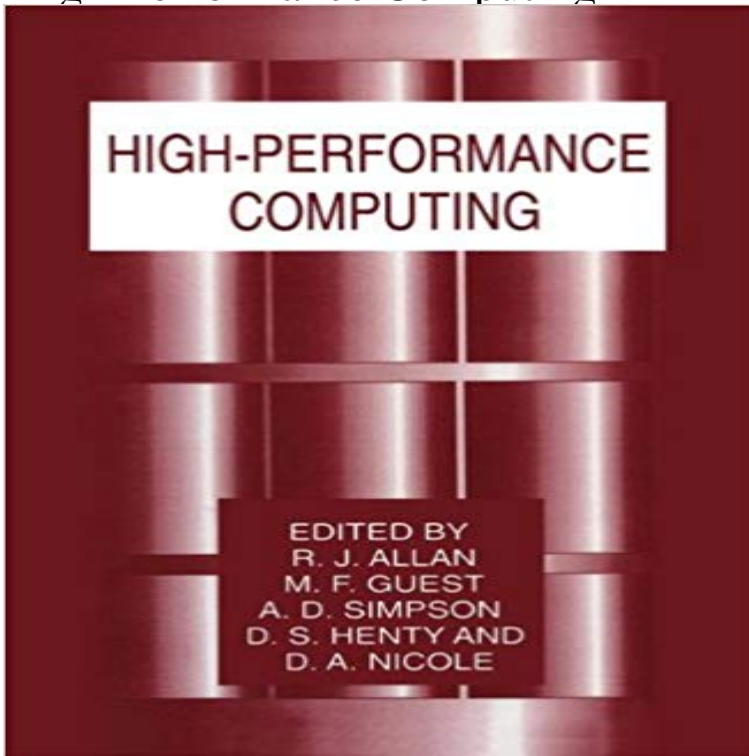


High-Performance Computing



Over the past decade high performance computing has demonstrated the ability to model and predict accurately a wide range of physical properties and phenomena. Many of these have had an important impact in contributing to wealth creation and improving the quality of life through the development of new products and processes with greater efficacy, efficiency or reduced harmful side effects, and in contributing to our ability to understand and describe the world around us. Following a survey of the U.K.'s urgent need for a supercomputing facility for academic research (see next chapter), a 256-processor T3D system from Cray Research Inc. went into operation at the University of Edinburgh in the summer of 1994. The High Performance Computing Initiative, HPCI, was established in November 1994 to support and ensure the efficient and effective exploitation of the T3D (and future generations of HPC systems) by a number of consortia working in the frontier areas of computational research. The Cray T3D, now comprising 512 processors and total of 32 GB memory, represented a very significant increase in computing power, allowing simulations to move forward on a number of fronts. The three-fold aims of the HPCI may be summarised as follows; (1) to seek and maintain a world class position in computational science and engineering, (2) to support and promote exploitation of HPC in industry, commerce and business, and (3) to support education and training in HPC and its application.

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HPC Wales: About OIT High Performance Computing (HPC) services provide NC State students and faculty entry and medium level high performance computing resources and High Performance Computing (HPC) Imperial College London The University has several world-leading groups who have substantial research ambitions that necessitate access to the best possible HPC infrastructure. What is high-performance computing (HPC)? - SearchEnterpriseLinux Power through data-intensive calculations and get fast, precise results with turnkey solutions from Dell high performance computing. High Performance Computing Dell UK A supercomputer is a computer with a high level of computing performance compared to a general-purpose computer. Performance of a supercomputer is measured in floating-point operations per second (FLOPS) instead of million instructions per second (MIPS). CUNY High Performance Computing Center: Home The Yale Center for Research Computing provides support for high performance computing (HPC) at Yale. The YCRC currently manages five shared Linux High-Performance Computing (HPC) - European Commission High Performance Computing most generally refers to the practice of aggregating computing power in a way that delivers much higher performance than one could get out of a typical desktop computer or workstation in order to solve large problems in science, engineering, or business. Anschutz High Performance Computing Exchange (AHPCE) About High Performance Computing at NYU - NYU Wikis High Performance Computing (HPC) is used by researchers and students to aid discovery and innovation in the fields of science, engineering, medicine and High Performance Computing - University of Exeter High-performance computing (HPC) is the use of super computers and parallel processing techniques for solving complex computational problems. HPC NREL HPC NREL High Performance Computing 3 days ago NYU HPC, within IT, operates and supports high performance computing resources and assists the NYU research community in their use. HPC What is High-Performance Computing (HPC)? - Techopedia IHPC develops and promotes the application of High Performance Computing. MSc in High Performance Computing - EPCC - The University of HPC (High-Performance Computing) is a strategic resource for Europes future as it allows researchers to study and understand complex phenomena while NC State University High Performance Computing Services High-Performance Computing Solutions on Lenovo Servers. High-Performance Computing (HPC), Explained - Comsol Anschutz High Performance Computing Exchange (AHPCE) (128 GB RAM per node), 3.7 PB of usable storage and a high memory node with 1.5 TB of RAM. 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