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   Autore   Nagel Wolfgang E.

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                        Computational Science and Engineering
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                        Mathematical and Computational Engineering Applications
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   Sommario/riassunto   This book presents the state-of-the-art in supercomputer simulation.
                        It includes the latest findings from leading researchers using systems
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ranging from CFD to computational physics and from chemistry to computer science with a special emphasis on industrially relevant applications. Presenting findings of one of Europe's leading systems, this volume covers a wide variety of applications that deliver a high level of sustained performance. The book covers the main methods in high-performance computing. Its outstanding results in achieving the best performance for production codes are of particular interest for both scientists and engineers. The book comes with a wealth of color illustrations and tables of results.