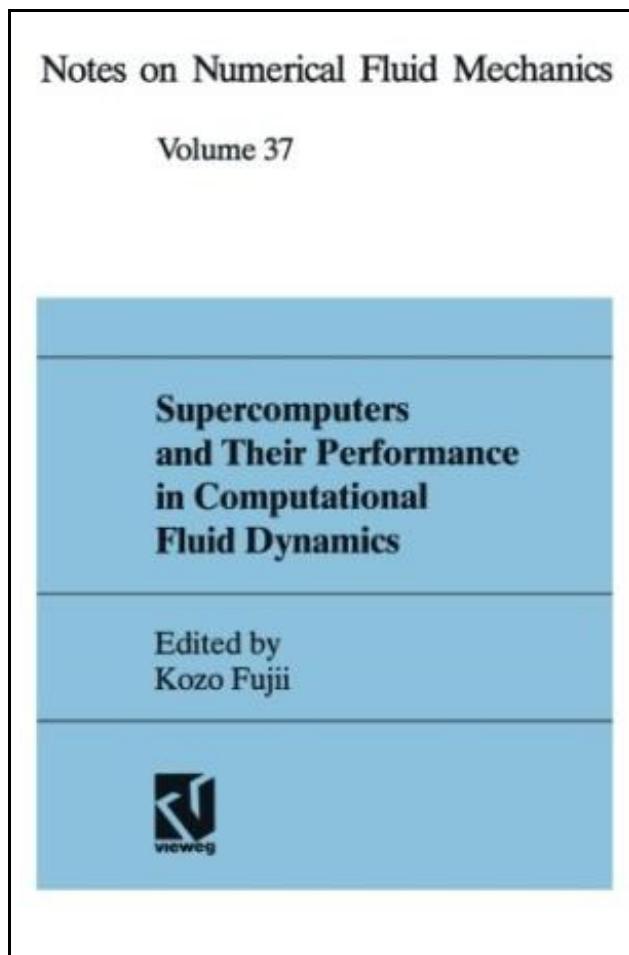


Supercomputers and Their Performance in Computational Fluid Dynamics



Filesize: 2.07 MB

Reviews

It is an awesome book that we have possibly go through. It is actually writer in straightforward words and phrases and not confusing. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Tierra Kunde)

SUPERCOMPUTERS AND THEIR PERFORMANCE IN COMPUTATIONAL FLUID DYNAMICS

[DOWNLOAD PDF](#)

Book Condition: New. Publisher/Verlag: Vieweg+Teubner | Supercomputer technologies have evolved rapidly since the first commercial-based supercomputer, CRAY-1 was introduced in 1976. In early 1980's three Japanese super computers appeared, and Cray Research delivered the X-MP series. These machines including the later-announced CRAY-2 and NEC SX series created one generation of supercomputers, and the market was spread dramatically. The peak performance was higher than 1 GFLOPS and the compiler improvement was remarkable. There appeared many articles and books that described their architecture and their performance on. The late 1980's saw a new generation of supercomputers. several benchmark problems. Following CRAY Y-MP and Hitachi S-820 delivered in 1988, NEC announced SX-3 and Fujitsu announced the VP2000 series in 1990. In addition, Cray Research announced the Y-MP C-90 late in 1991. The peak performance of these machines reached several to a few ten's GFLOPS. The hardware characteristics of these machines are known, but their practical performance has not been well documented so far. Computational Fluid Dynamics (CFD) is one of the important research fields that have been progressing with the growth of supercomputers. Today's fluid dynamic research cannot be discussed without supercomputers and since CFD is one of the important users of supercomputers, future development of supercomputers has to take the requirements of CFD into account. There are many benchmark reports available today. However, they mostly use so called kernels. For fluid dynamics researchers, benchmark test on real fluid dynamic codes are necessary. | I.: Cray Y-MP C90 Supercomputer.- 1. Introducing The Cray Y-MP C90 Supercomputer.- 2. Redefining High-Performance Computing.- 3. Bridging the Gap Between Potential and Productivity.- 4. Protecting Your High-End Supercomputing Investments.- 5. The Best Overall Supercomputing Solutions.- 6. New Technologies Maximize System Availability.- 7. Physical Description.- 8. Cray Y-MP C90 Highlights.- 9. The Most Powerful I/O Technology Available.-...

[Read Supercomputers and Their Performance in Computational Fluid Dynamics](#)[Online](#)[Download PDF Supercomputers and Their Performance in Computational Fluid Dynamics](#)

Other Kindle Books



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Read ePub »](#)



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Read ePub »](#)



Tax Practice (2nd edition five-year higher vocational education and the accounting profession teaching the book)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 282 Publisher: Higher Education Pub. Date :2009-01-01 version 2. This book is...

[Read ePub »](#)



The Case of the Hunchback Hairdresser Criss Cross Applesauce

Gallopage International. Paperback. Book Condition: New. Paperback. 54 pages. Dimensions: 7.5in. x 5.0in. x 0.2in.When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an...

[Read ePub »](#)



The Mystery in Icy Antarctica The Frozen Continent Around the World in 80 Mysteries

Gallopage International. Paperback. Book Condition: New. Paperback. 133 pages. Dimensions: 7.3in. x 5.2in. x 0.3in.When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an...

[Read ePub »](#)



The Ferocious Forest Fire Mystery Masters of Disasters

Gallopade International. Paperback. Book Condition: New. Paperback. 118 pages. Dimensions: 7.4in. x 5.2in. x 0.5in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Download Book »](#)



Wondrous Strange

Harper Teen. Paperback. Book Condition: New. Paperback. 352 pages. Dimensions: 7.9in. x 5.3in. x 0.9in. Since the dawn of time, the Faerie have taken. . . . Seventeen-year-old actress Kelley Winslow always thought faeries were just

[Download Book »](#)



Talking Digital: A Parent's Guide for Teaching Kids to Share Smart and Stay Safe Online (Paperback)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English. Brand New Book. It is time for the digital talk. Today, kids are growing up in a wired world. Their

[Download Book »](#)



Help! I'm a Baby Boomer (Battling for Christian Values Inside America's Largest Generation)

Victor Books, 1989. Trade Paperback. Book Condition: New. Second Printing. 8vo - over 7¾" - 9¾" Tall. Buy with confidence from "Your neighborhood book store, online (tm) - Since 1997 delivering quality books to our

[Download Book »](#)



The Mystery on Alaska's Iditarod Trail Real Kids, Real Places

Gallopade International. Paperback. Book Condition: New. Paperback. 150 pages. Dimensions: 7.3in. x 5.2in. x 0.5in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Download Book »](#)