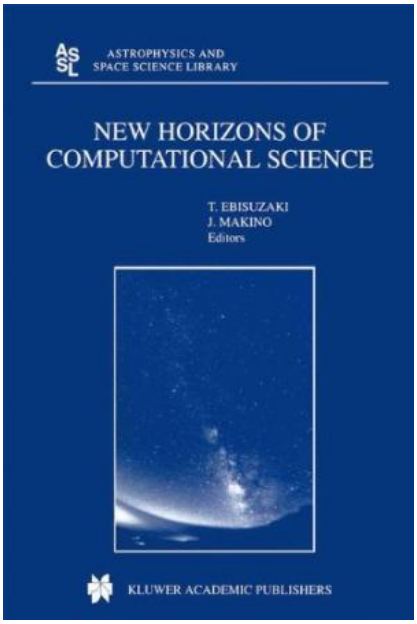

New Horizons of Computational Science: Proceedings of the International Symposium on Supercomputing Held in Tokyo, Japan, September 1 3, 1997

By -

Springer. Hardcover. Book Condition: New. Hardcover. 312 pages. Dimensions: 9.6in. x 6.5in. x 0.8in.The International Symposium on Supercomputing - New Horizon of Computational Science was held on September 1-3, 1997 at the Science MuseuminTokyo, tocelebrate60-yearbirthdayofProfessorDaiichiroSug imoto, who hasbeenleadingtheoreticalandnumericalastrophysicsfor 30 years. The conference coveredexceptionally wide range ofsubjects, to follow Sugimotosaccomplishmentsinmanyfields. Onthefirstdaywehadthree talksonstellarevolutionandsixtalksonstellardynamics. Onthesecond day, six talks on special-purpose computingand four talks on large-scale computing in MolecularDynamicswere given. Onthethirdandthelast day, threetalks on dedicatedcomputerson LatticeQCDcalculationsand sixtalksonpresentandfutureofgeneral-purposeHPCsystemsweregiven. Inaddition, some30posterswerepresentedonvarioussubjectsincompu tationalscience. Instellarevolution, D. Arnett (Univ. ofArizona) gaveanexcellenttalk on the recent development in three-dimensionalsimulation ofSupernova, inparticularonquantitativecomparisonbetweendifferenttechniquessuch asgrid-basedmethodsandSPH (SmoothedParticleHydrodynamics). Y. Kondo (NASA) discussedresentadvanceinthemodelingoftheevolution ofbinarystars, and1. Hachisu(Univ. ofTokyo)discussedRayleigh-Taylor instabilitiesinsupernovae(contributionnotincluded). Instellardynamics, P. Hut(lAS)gaveasuperbreviewonthelong-term evolution ofstellarsystem. J. Makino (Univ. ofTokyo) described briefly

Reviews

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