



La Galatea (3)

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 72 pages. Original publisher: Hampton, Va. : National Aeronautics and Space Administration, Langley Research Center, 1990 OCLC Number: (GPO)apn1994-008630 Excerpt: . . . approach) of the same flow. The results will be compared to quantify the effect of the sub-grid model in the large eddy simulation. The codes used in the above study are being rewritten to execute via parallel processing (initially on CRAY computers). Various strategies are being explored and compared. In collaboration with M. Y. Hussaini and T. A. Zang (Fluid Mechanics Division, LaRC) a direct simulation of the turbulent Rayleigh-Benard problem was computed in 1985. Further analysis of this data is continuing. Currently, a coarser grid than originally used is imposed on the data calculated with a fine grid. The terms of the kinetic energy equation for length scales smaller than the coarse grid are being calculated using the fine grid data. These calculated terms will be used to evaluate and suggest subgrid scale models which are usually derived from the subgrid scale energy equation. Ami Harten Together with D. Gottlieb, I have developed Godunov-type spectral methods: given cell averages...



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