

PREFACE

The Symposium on Mechanics for Space Flight-1985 was held on Nov. 7 and 8, 1985 at the Institute of Space and Astronautical Science. This Symposium is the 15th of the series of this annual symposium sponsored by this Institute*.

The Symposium program consisted of the seven oral sessions; Vortical Flow; Flow around Flight Vehicles; Computational Fluid Dynamics; Space Environment Control; Elementary Processes in Heat Pipes; Analysis of Heat Pipe Systems; Application of Heat Pipes and one panel discussion on "Research and Development of Total Energy Systems for Space". During the Computational Fluid Dynamics Session, report on the International Symposium on Computational Fluid Dynamics—Tokyo, which was held on Sept. 9 thru 12, 1985 in Tokyo under sponsorship of the Japan Society of Computational Fluid Dynamics, was presented by Prof. Koichi Oshima, the Chairman of that Symposium, and some papers proposed from East European countries to that Symposium were included in this report considering their merit.

Total of 30 oral papers were presented at the Symposium, and out of them, after refereeing and editing, 18 papers were selected for inclusion to this Proceedings. The editor is especially grateful for the cooperation of all the authors of the papers included.

(K. Oshima)

* The Proceedings of the previous Symposium were published as ISAS Report SP 1, 2, and 3 for 1982, 1983, and 1984, respectively.