

## PREFACE

The symposium on Mechanics for Space Flight 1983 was held on Nov. 24 thru 26, 1983 at the Institute of Space and Astronautical Science. This Symposium is the 13th of the series of this annual symposium sponsored by this Institute\*.

The Symposium program consisted of the four sessions; 1. Computational Fluid Dynamics, 2. Rarefied gasdynamics, 3. Thermophysics and Heat Pipes, and 4. Guidance and Control, and these 13 papers out of the 57 papers presented were selected for publication. The editors would like to express sincere appreciation to all the participants of this Symposium for their exciting discussions during the sessions and to all the authors of this proceedings for their cooperation for prompt publication.

Koichi Oshima; Editor

---

\* The proceedings of the previous year's Symposium was published as ISAS Report S.P. 1 in 1983.