

OS6 : New Dimensions of Magnetic Suspension and Balance System

CON-1

November 7, 2018

15:40-16:10 OS6-1

Invited

Static and Dynamic Testing of Blunt Bodies in a Subsonic Magnetic Suspension Wind Tunnel

M. Schoenenberger, C. Finke, C. Britcher, D. Cox, T. Schott

16:10-16:30 OS6-2

Feasibility of Dynamic Stability Measurements Using 1-m Magnetic Suspension and Balance System

S. Oyama, H. Okuizumi, Y. Konishi, H. Sawada, S. Obayashi

16:30-16:50 OS6-3

Investigation of the Effect of Angle of Attack on the Flow Separation of a Prolate Spheroid by Using the 0.3-m MSBS

T. Ambo, T. Ochiai, T. Nonomura, K. Asai

16:50-17:10 OS6-4

Free-Flight Experiments for Aerodynamic Instability of Reentry Capsules

H. Tanno

17:20-17:40 OS6-5

Further Development of an Electromagnetic Position Sensor for a Wind Tunnel MSBS

C. Britcher, M. Weinmann, T. Schott, M. Schoenenberger

17:40-18:00 OS6-6

A New Model Position Sensing Method for a Small Fineness Ratio Bluff Body at the IFS 0.1-m MSBS

M. Kuwata, S. Obayashi

18:00-18:20 OS6-7

Study of Aerodynamic Characteristics of Axial Circular Cylinders with Low Fineness Ratio by Using the 1.0-m MSBS

K. Shinji, H. Nagaike, T. Nonomura, K. Asai, H. Sawada, Y. Konishi, H. Okuizumi

18:20-18:40 OS6-8

Near-Field Pressure Measurement of a model Suspended by Magnetic Force in Supersonic Wind Tunnel

T. Kawagoshi, H. Sawada, S. Obayashi

18:40-19:00 OS6-9

Visualization of the Flow Field around a Circular Cylinder in the 0.3-m MSBS

T. Ochiai, T. Ambo, Y. Ozawa, T. Nonomura, K. Asai