

OS16: Vortex Motion

November 19, 2024

CON-2

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| OS16-1
9:00-9:20 | Effect of Wall Transpiration on Görtler Vortices in High-speed Boundary Layers
<u>Asmaa Ahaggach</u> , Adrian Sescu (Mississippi State University, USA), Zamir Koshuriyan (University of York, UK), Yuji Hattori (Tohoku University, Japan) |
| OS16-2
9:20-9:40 | Characterization of Vortices in the Transitional Boundary Layer on a Rotating Slender Cone
Kyosuke Yamada, Kosuke Takahara, <u>Kentaro Kato</u> , Masaharu Matsubara (Shinshu University, Japan) |
| OS16-3
9:40-10:00 | An Asymmetric Vortical Flow Structure Based on Local Flow Geometry and Galilei Invariant Vortex Space
<u>Katsuyuki Nakayama</u> (Aichi Institute of Technology, Japan) |
| OS16-4
10:00-10:20 | Statistics of Vortices in Gross-Pitaevskii Quantum Turbulence Simulation
<u>Hideaki Miura</u> (National Institute of Fusion Science, Japan), Naoto Sakaki, Yoshiyuki Tsuji (Nagoya University, Japan), Kyo Yoshida (University of Tsukuba, Japan) |
| OS16-5
10:20-10:40 | Prediction of Smoke-Inflow using Recursive Fourier Neural Operator
<u>Kemas Zakaria</u> , Anthony Nathan Sinisuka, Pramudita Satria Palar, Lavi Rizki Zuhail (Institut Teknologi Bandung, Indonesia) |
| OS16-6
10:50-11:10 | Low Fidelity Model for Compressible Euler Equation based on Logarithmic Conformation Reformulation
<u>Takashi Nakazawa</u> (Kanazawa University, Japan) |
| OS16-7
11:10-11:30 | Isovortical Perturbations and Wave Energy on Steady Flows of a Compressible Baroclinic Fluid
<u>Yasuhide Fukumoto</u> (Kyushu University, Japan), Rong Zou (Hawaii Pacific University, USA) |
| OS16-8
11:30-11:50 | Stability of a Lamb-Oseen Vortex in a Tripolar Straining Field
<u>Aditya Sai Pranith Ayapilla</u> , Yuji Hattori (Tohoku University, Japan) |
| OS16-9
11:50-12:10 | Nonlinear Dynamics of Helical Vortex Disturbed by Long-Wave Instability
<u>Yuji Hattori</u> (Tohoku University, Japan), Ivan Delbende, Maurice Rossi (Sorbonne Université, France) |