Institute of Fluid Science

Computational Fluid Physics Laboratory

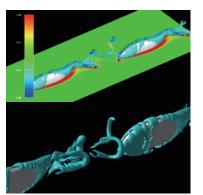
Professor Yuji Hattori & Associate Professor Makoto Hirota

Let's explore complex flow phenomena by numerical simulation and theoretical analysis!

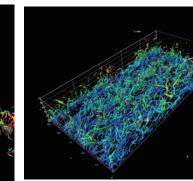
Research Topics

- O Numerical Simulation of Complex Flow Phenomena
- O Turbulence Modelling by Machine Learning
- O Stability and Dynamics of Vortices
- O Reduction of Aeroacoustic Noise



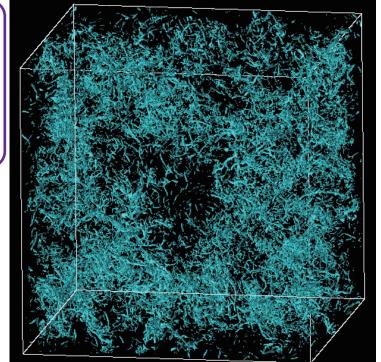


Theory of Strato-Hyperbolic Instability Hydrodynamics of Swimming Fish



Breakdown of Vortex Ring

Vortices in Turbulent Channel Flow



Vortices in Isotropic Turbulence

Please join us if you want to

- Study Fluid Dynamics
- O Pursue Things Intelectually Interesting
- OGet Ability to Accomplish Projects

If you would like to know more, please contact by e-mail

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