

Singularities and Attractors in rotating and stratified fluids

THURSDAY 8TH DECEMBER

13:30–14:00	Welcome	
14:00–15:00	Michel Rieutord	A review of inertial and gravito-inertial modes in a spherical shell
15:00–15:30	Bruno Voisin	The St Andrew’s cross, from its inviscid framework up to (but not including) the boundary-layer eruption
15:30–16:00	Stéphane Le Dizès	On the singularities from critical slopes
16:00–16:30	Coffee break & Discussions	
16:30–17:00	Matthieu Mercier	Internal tide generation with adjusted barotropic tidal flow: critical slopes and non-radiating topographies
17:00–17:30	Yohei Onuki	Internal tide generation in shear flow
17:30–18:00	Alexandre Barboni	Lagrangian tracking of anticyclonic attractors in the Eastern Mediterranean sea
20:00	Dinner	

FRIDAY 9TH DECEMBER

9:00–9:30	Jiyang He	Forced inertial wave attractors in rotating spherical shells
9:30–10:00	Aurélie Astoul	Nonlinear numerical simulations of tidal flows in spherical convective shells
10:00–10:30	Coffee break & Discussions	
10:30–11:00	Leo Maas	Surface-wave attractors
11:00–11:30	Ion Borcia	Surface wave focusing in an oscillating circular channel – part I: general aspects
11:30–12:00	Uwe Harlander	Surface wave focusing in an oscillating circular channel – part II: wave attractors
12:00–14:00	Lunch	
14:00–14:30	Iman Toghraei	Critical layer in a stratified vortex under the complete Coriolis force
14:30–15:00	Laurent Chevillard	Phenomenology of fluid turbulence, and the modeling of the cascading process of energy using homogeneous operators of degree 0
15:00–15:30	Coffee break & Discussions	
15:30–16:00	Ilias Sibgatullin	Wave attractors in large aspect ratio domains
16:00–16:30	Corentin Pacary	Observation of internal waves attractors in an axisymmetric basin