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Advanced School on Scaling Laws in Geophysics: Mechanical and Thermal Processes in Geodynamics | (smr 2240)

Monday 30 May 2011

Plumes and thermals. Use these to derive scaling relations for velocity as a function of power input and to discuss dynamical regimes (laminar vs. turbulent). Use plumes to illustrate Prandtl number, diffusion of heat and momentum and boundary layer structure. (Application of simple convection code)

- Adriatico Guest House Kastler Lecture Hall (11:00-12:30)

time	title	presenter
11:00	Plumes and thermals. Use these to derive scaling relations for velocity as a function of power input and to discuss dynamical regimes (laminar vs. turbulent). Use plumes to illustrate Prandtl number, diffusion of heat and momentum and boundary layer structure. (Application of simple convection code)	C. JAUPART