

Stably stratified fluid dynamics

Professor S.M. Tobias

This project will investigate the dynamics of fluids that are stably stratified. This phenomena occurs in many geophysical and astrophysical situations including the Earth's atmosphere and the interior of the Sun. The dynamics may also be important for the formation of the famous banding structure in Jupiter and the formation of the Great Red Spot.

Students should have attended at least one course on fluid dynamics.