Colloquium Guido Castelnuovo

Martedì 27 Giugno 2023
Ore 16:30 - 17:30

Internal waves in a domain with topography

Stratification of the density in an incompressible fluid is responsible for the propagation of internal waves.
In domains with topography, these waves exhibit interesting properties.
In particular, in 2D these waves concentrate on attractors for some generic frequencies of the forcing.
At the mathematical level, this behaviour can be analyzed in the inviscid case with tools from geometry, spectral theory and microlocal analysis.

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