

Diego Córdoba (ICMAT)

Titulo: Instantaneous loss of regularity for the generalized SQG equations

Abstract:

In this talk we present recent results on the existence of solutions of the generalized Surface Quasi-geostrophic equations (gSQG) that initially are in C^k , $C^{k,\gamma}$ or in supercritical Sobolev spaces, but lose that prescribe regularity for $t > 0$.