

Title: Singularity formation of hypodissipative forced Euler equation

Abstract: In this talk we establish the formation of singularities of classical solutions with finite energy of the forced fractional Navier Stokes equations where the dissipative term is equivalent to taking 0.1 derivatives, the forcing is integrable in the Holder norm up to the blow-up time, the velocity is smooth and finite energy before blow-up and the integral of the supremum of the vorticity diverges at blow-up time.