

Applied Mathematics Seminar

Analytical properties for the Navier-Stokes equations and applications

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Abstract: Strong solutions to the 3D Navier-Stokes equations are known to exist locally-in-time and are real analytic. Providing lower bounds for analyticity radii is important as these length scales play a significant role in turbulent phenomenologies. In this talk we discuss one approach to estimating analyticity radii in several contexts as well as a related conditional regularity criteria.

Monday, February 16 at 4:00 PM in SEO 636