
Navier–Stokes equations beyond perturbative regimes

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Résumé

The perturbation theory in scale-invariant spaces shapes the boundary of the known well-posedness results (existence, uniqueness and regularity) for the Navier–Stokes equations in three dimensions. We will discuss what is happening beyond perturbative regimes and show that the known perturbative results are essentially optimal. This is joint work with Vladimír Šverák.

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