

Title

Partial Regularity for Suitable Weak Solutions to Fractional Navier-Stokes Equations

Speaker

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Abstract

In this talk, we consider a special nonlocal model-Fractional Navier-Stokes Equations, where the power s of the negative Laplacian satisfies the condition: $3/4 < s < 1$. We define the suitable weak solutions and show that for any suitable weak solution, the $(5-4s)$ -dimensional Hausdorff measure of its singular set is zero.