

1051-35-261

Igor Kukavica* (kukavica@usc.edu). *On the partial regularity for solutions of the Navier-Stokes system.*

A classical result of Caffarelli, Kohn, and Nirenberg states that the one dimensional Hausdorff measure of singularities of a suitable weak solution of the Navier-Stokes system is zero. We present a short proof of the partial regularity result which allows the force to belong to a singular Morrey space. (Received August 25, 2009)