Giga, Yoshikazu; **Miyakawa, Tetsuro**

Navier-Stokes flow in R^3 with measures as initial vorticity and Morrey spaces. (English)

Zbl 0681.35072

Commun. Partial Differ. Equations 14, No. 5, 577-618 (1989).

The authors study the vorticity equations, derived from the unsteady, incompressible Navier-Stokes equations, with initial data in Morrey spaces. Under suitable smallness assumptions they prove the existence of a unique smooth global solution.

Reviewer: G.Warnecke

MSC:

35Q30	Navier-Stokes equations
35J25	Boundary value problems for second-order elliptic equations
76D05	Navier-Stokes equations for incompressible viscous fluids

Keywords:

vorticity equations; incompressible Navier-Stokes equations; Morrey spaces; smallness assumptions; global solution

Full Text: DOI

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