

On the Blow-up criterion of Navier-Stokes equation associated with the Weinstein operator

Youssef Bettaibi¹

¹Gabes Higher Institute of Languages

March 30, 2022

Abstract

In this paper we give Navier-Stokes system associated with the Weinstein operator (NSW) (see.\eqref{11}), We study the existence and uniqueness of solutions to equations (NSW) in $L_{-\{\alpha\}}^p(\mathbb{R}_{+}^{d+1})$, $2 \leq p < \infty$, $\alpha \in \mathbb{R}$.

Hosted file

Navier-Stokes-Weinstein equation.pdf available at <https://authorea.com/users/470256/articles/562530-on-the-blow-up-criterion-of-navier-stokes-equation-associated-with-the-weinstein-operator>