

1100-35-222

Ciprian Foias* (foias@math.tamu.edu) and **Bingsheng Zhang** (shanby.bing@gmail.com).

Properties of the solutions of the 2D NSE (with $g \in H \setminus \{0\}$) not in \mathcal{A} .

This is a report on an ongoing study by B.Zhang and the speaker of the solutions of the 2D Navier-Stokes equations which do not intersect the global attractor. The aim of the study, which in fact is inspired by the paper "DIRICHLET QUOTIENTS AND 2D PERIODIC NAVIER-STOKES EQUATIONS" (by P. Constantin, C.Foias, I.Kukavica and J.Majda), is to classify the possible behavior of those solutions. (Received February 08, 2014)