

Serrin type conditions for Navier-Stokes equations in Fourier space

Namkwon Kim

Chosun university (kimnamkw@chosun.ac.kr)

The regularity criterion for the Navier-Stokes equations deals with a priori estimates which control the blow-up behavior for the possible blow-up solutions. We present certain Serrin type criterions in the Fourier space and some implications of the criterions.