

Zdeněk Skalák, Petr Kučera

Remark on regularity of weak solutions to the Navier-Stokes equations

Comment.Math.Univ.Carolinae 42,1 (2001) 111-117.

Abstract: Some results on regularity of weak solutions to the Navier-Stokes equations published recently in [3] follow easily from a classical theorem on compact operators. Further, weak solutions of the Navier-Stokes equations in the space $L^2(0, T, W^{1,3}(\Omega)^3)$ are regular.

Keywords: Navier-Stokes equations, weak solution, regularity

AMS Subject Classification: 35Q10, 76D05, 76F99