

New regularity criteria for weak solutions to the MHD equations in terms of an associated pressure

Jiří Neustupa

Institute of Mathematics, Czech Academy of Sciences, Prague, Czech Republic
neustupa@math.cas.cz

Abstract

We present some new regularity criteria for suitable weak solutions to the MHD equations in terms of negative part of pressure or positive part of the so called Bernoulli pressure. The content is based on the joint paper with Minsuk Yang, Yonsei University Seoul, in J. Math. Fluid. Mech 2021, article no. 73.