

Regularity criteria for the 3d magnetic Bénard equations without thermal diffusion in terms of pressure

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Abstract

In this paper, the authors obtain some new blow up criteria for the smooth solution to the three dimensional magnetic Bénard equation without thermal diffusion in terms of pressure. We prove that if $\pi \in L^2(0, T; L^{\frac{3}{2}}(\mathbb{R}^3))$ with θ

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