Vortices in Viscous Magnetized Dusty Plasmas

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Abstract

Recently Nebbat and Annou proposed a model that explains the behavior of the vortex structure that is considered a consequence of an instability in dusty plasmas [1,2]. As the dust numerical density increases the momentum loss due to grain-grain collisions is substantial and the shear viscosity is to be coped with. The model is augmented and a comparison is conducted.

References
