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Role of Inhomogeneous Flow on Plasma Turbulence¹ GABRIELA VASQUEZ, Jarvis Christian College, TX, S SEN, College of William Mary, VA; National Institute of Aerospace, VA; and Bowie State University, MD — In this paper the effect of a radially varying parallel equilibrium flow on the stability of the RayleighTaylor (RT) mode is studied in a plasma medium. It is shown that the parallel flow curvature can completely stabilize the RT mode. The flow curvature also has a robust effect on the radial structure of the mode. Possible implications of these findings are also discussed.

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