

Abstract Submitted
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Effect of Radio Frequency Waves on Plasma Instabilities S SEN¹,
Jarvis Christian College, TX; College of William Mary, VA and National Institute
of Aerospace/NASA, VA — The effect of Radio Frequency waves on low frequency
plasma instabilities and turbulence is studied. It is shown that the ponderomo-
tive force can stabilize or destabilize instabilities depending on the power deposition
profile and no RF induced flow generation hypothesis is required. Its possible con-
sequence on space and fusion plasma will be discussed.

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