Abstract Submitted
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Reduction of Mixing-Length Transport by Radio Frequency Waves[1] S. SEN, Lancaster University — Numerical simulation is carried out by using the ASTRA code to determine the effect of mixing-length transport induced in a plasma in the presence of radio-frequency waves. It is found that the transport coefficients associated with particle diffusion and heat diffusion reduce drastically in the region where radio waves is launched. This technique opens up a new avenue of transport suppression by the use of radio waves of suitable frequency.

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