**Analysis and Applied Mathematics Seminar**

*Dissipation wavenumber and regularity for electron magnetohydrodynamics*

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**Abstract:** We consider the electron magnetohydrodynamics (MHD) with static background ion flow. A special situation was studied numerically by physicists. In this paper we show the existence of determining wavenumber for the electron MHD, and establish a regularity condition only on the low modes of the solution.

Monday, October 21 at 4:00 PM in 636 SEO