

Analysis and Applied Mathematics Seminar

Weak kinetic shock solutions to the Landau equation

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Abstract: Compressible fluids are known to form shock waves, which can be represented by discontinuous solutions of the compressible Euler equations. However, physical shocks are actually continuous and in certain regimes can be represented by a smooth shock profile. In this talk, I will discuss a construction of weak shock profiles which solve the kinetic Landau equation. This is based on joint work with Dallas Albritton (Wisconsin) and Jacob Bedrossian (UCLA).

Monday, November 20 at 4:00 PM in 636 SEO