

## Analysis and Applied Mathematics Seminar

### *Nonlinear stability theory of self-gravitating fluids*

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**Abstract:** I will review stability problems of Lane-Emden star configurations modeled by the Euler-Poisson system and present a recent joint work with Mahir Hadzic on the global-in-time existence of expanding stars in the mass-critical regime.

Monday, April 10 at 4:00 PM in SEO 636