TEXAS ★ STATE
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Differential Equations and Applied Math Seminar

Dr. Ray Treinen, Texas State University

11am-12pm September 9th, 2016

333 Derrick Hall

Title: Sets of finite perimeter for the equilibrium state of three immiscible fluids I

Abstract: We will formulate the energy of the equilibrium state of three immiscible fluids using sets of finite perimeter. We will review some results that were discussed in the Spring followed by an outline a method of approach to a blow-up procedure about a triple-junction point. The key beginning result is the monotonicity of scaled energy, and we will present that result and begin its proof.

Interested faculty and graduate students are encouraged to attend.