



## Differential Equations and Applied Math Seminar

Dr. Ray Treinen, Texas State University

11am-12pm September 16th, 2016

333 Derrick Hall

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

**Abstract:** We will continue our study of the equilibrium state of three immiscible fluids using sets of finite perimeter. We will prove the existence of a blow-up limit at a triple-junction point. Then we will continue to a key result of the monotonicity of scaled energy, and we will present that theorem and begin its proof.

Interested faculty and graduate students are encouraged to attend.