TEXAS ★ STATE
UNIVERSITY
The rising STAR *of Texas*

Differential Equations and Applied Math Seminar

Dr. Ray Treinen, Texas State University

11am-12pm February 23rd, 2018

326 Derrick Hall

Title: Segmentation problems, part 4

Abstract: We continue with the mathematical background needed to treat fracture models and image reconstruction models in the framework of minimizing an energy functional. Specifically, we will continue with the concept of relaxation by sub-additive envelopes. We will both characterize these envelopes, as well as consider a few examples. One interesting fact that will be highlighted is that the lower semicontinuous sub-additive envelope of differentiable functions need not be differentiable.
We are mostly following the book by Andrea Braides.

Interested faculty and graduate students are encouraged to attend.