Texas State University

The rising STAR of Texas

Differential Equations and Applied Math Seminar

Dr. Ray Treinen, Texas State University

11am-12pm April 7th, 2017

330 Derrick Hall

Title: An introduction to Γ-convergence, part V

Abstract: We will continue our introduction of Γ-convergence. This can be a useful tool when the function space you would like to work with does not have a rich structure, but you can approximate that space by a more structured function space. The notion of Γ-convergence gives some ability to measure how minimizers of a functional in the more structured space converge to minimizers of a related functional in the less structured space. We will discuss the lower semicontinuity of Γ-limits and Weierstrass' Theorem, as well as some other properties of Γ-limits. We will be mostly following the book by Andrea Braides.

Interested faculty and graduate students are encouraged to attend.