Title: An introduction to Γ-convergence, part IV

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 coerciveness condition and other properties related to lower semi-continuity. We will be mostly following the book by Andrea Braides.

Interested faculty and graduate students are encouraged to attend.