

Erisa HASANI

Florida Institute of Technology.

Title: *On the compactness threshold in the critical Kirchhoff equation*

Abstract: We study a class of critical Kirchhoff problems with a general nonlocal term. The main difficulty here is the absence of a closed-form formula for the compactness threshold. First we obtain a variational characterization of this threshold level. Then we prove a series of existence and multiplicity results based on this variational characterization
