

Meeting: 1003, Atlanta, Georgia, SS 28A, AMS-SIAM Special Session on Reaction Diffusion Equations and Applications, I

1003-35-1102 **Alfonso Castro*** (castro@math.hmc.edu), Department of Mathematics, Harvey Mudd College, Claremont, CA 91711, and **Chen Chang**. *A variational characterization of the Fucik spectrum*. Preliminary report.

We provide a variational characterization for the values of the Fucik spectrum using Lyapunov-Schmidt reduction properties of the functionals associated with nonlinear homogeneous boundary value problems. (Received October 04, 2004)