1093-35-334 **Stephen Robinson\*** (sbr@wfu.edu) and **Pavel Drabek**. An existence theorem for a Fucik Spectrum resonance problem.

We consider the boundary value problem

$$-\Delta u = \alpha u^{+} - \beta u^{-} + g(u) + h \text{ in } \Omega, u = 0 \text{ on } \partial\Omega,$$

where  $\Delta$  is the Laplace operator,  $(\alpha, \beta)$  is in the Fucik Spectrum,  $g : R \to R$  is continuous with sublinear growth, and  $\Omega$  is a bounded domain in  $\mathbb{R}^n$ . We prove an existence theorem subject to a Landesman-Lazer type condition on the primitive of g. The proof relies on a variational characterization of the Fucik Spectrum due to Castro. (Received August 20, 2013)