



Speaker: Uri Andrews
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Thursday, September 13, 2012
2:00 PM
125 Hayes-Healy Hall

Title: Spectra of Theories

Abstract:

Abstract: For a structure A , the spectrum is the set of Turing degrees of isomorphic copies of A . For a complete elementary first order theory T , the spectrum is the set of Turing degrees of models of T . We will compare these notions, in particular showing that there are theory spectra which are not structure spectra and vice versa. We will also discuss what's known about the relationship between the spectrum of T and the model theoretic properties of T . (Theorems are all joint with either Joseph S. Miller or Julia F. Knight)