MATH 80510, TOPICS in MATHEMATICAL LOGIC FALL 2013

NIP Theories and Computational Learning Theory

The goal of this course is to understand the connections between modern studies of NIP theories and computational learning theory. We will cover the basics of computational learning theory and the basics of NIP theories. Then we will discuss the connections between the two, including UDTFS, the Warmuth Conjecture, VC-density, dp-rank, etc.