

Speaker: Steffen Lempp

Title: The computational complexity of models of strongly minimal theories

Abstract: In the mid-1990's, I raised the question of what one can say about the possible computational complexity of all the countable models of a strongly minimal theory if one only knows that one model is computable. Based on prior work, especially recently by Andrews and Knight, we can now give a precise answer: The models can be computed precisely by all the degrees d high over $0''$, i.e., $d \geq 0''$ such that $d'' \geq 0'''$. This is joint work with Andrews and Schwebel.