



Speaker: Steffen Lempp
University of Wisconsin-Madison

Thursday, October 12, 2017

2:00 PM

125 Hayes-Healy Hall

Title: Computable linear orders and products

Abstract:

There are quite a few results in the study of computable linear orders of the form " $\tau \cdot L$ is computable iff L is $0(n)$ -computable". The goal of joint work with Frolov, Ng and Wu is to classify the order types τ for which such statements are true. We will concentrate on the case $n=0$, where we have an exact classification: An order type τ has the property that " $\tau \cdot L$ is computable iff L is computable" iff τ is finite and nonempty. I will conclude with some general comments.