

HARVARD UNIVERSITY

Harvard Mathematics Department
www.math.harvard.edu
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Logic Center
2 Arrow Street, 4th floor
Cambridge, Massachusetts 02138
www.logic.harvard.edu

HARVARD LOGIC COLLOQUIUM

Steve Jackson

University of North Texas

Combinatorics of Definable Sets

DATE: Wednesday, November 15

TIME: 4:00–5:00 pm

LOCATION: Logic Center, Room 420, 2 Arrow Street

Recent years have seen an interest in the combinatorics of definable sets. "Definable" has several interpretations including "Borel," or as existing in a model of determinacy. The definable theory differs markedly from the ZFC context. This theory can be viewed as simultaneously generalizing dynamics, where Borel actions of countable groups on Polish spaces are studied, and the descriptive set theory of determinacy models. We will survey and present some recent results of the speaker and others.