

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 24 בנובמבר, 2015

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

groups non-amenable of actions for Entropy

תינתן על-ידי

of Institute Courant and U. (Hebrew Seward Brandon
Sciences) Mathematical

תקציר: Within the field of dynamics, entropy is a real number which measures the amount of complexity or chaos of a dynamical system. The first entropy was introduced by Kolmogorov in 1958, and it led to a huge amount of advances in the field. During the 80's and 1970's, entropy theory was largely extended to actions on groups, such as amenable groups (such as abelian groups) and sofic groups (such as linear groups). In 2008, Bowen and Lewis made a dramatic breakthrough by extending entropy theory to actions on groups. In this talk, I will discuss the new theory of entropy in chapter A of my book. Some of the recent breakthroughs in the history of classical entropy theory and some of the recent