

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 in a dynamical system. The first was Entropy introduced by Kolmogorov in 1958, and it led to a huge amount of advances in the field. During the 80's and 1970's, the theory of entropy was largely extended to actions on groups (such as abelian groups, solvable groups, and free groups). In 2008, Bowen and Lewis made a dramatic breakthrough by extending the notion of entropy to actions on groups (such as linear groups, sofic groups, and free groups). In this talk, I will discuss the new theory of entropy in chapter A, and then discuss some of the recent breakthroughs.