המחלקה למתמטיקה, בן-גוריון

תורת החבורות וגיאומטריה

ביום ראשון, 7 במאי, 2017

15:30 – 14:30 בשעה

ב-101

ההרצאה

Aut-invariant and metrics Aut-invariant surface and groups free on quasimorphisms groups.

תינתן על-ידי

Marcinkowski Michal

** .2 **Lecture תקציר:

which groups surface and groups free on norms interesting two are There automorphisms: all of group the under invariant are

minimal the = $|g|_p$ i.e., norm, primitive the have we groups free For A) g. get to multiply to has one elements primitive of number

norm, curves simple the have we surface g genus of group fundamental For B) concatenate to need one curves closed simple of number minimal the = $|g|_s$ i.e., g. get to

dichotomy: following the prove we Brandenbursky M. with paper recent our In surface and groups free For n. with linearly growths or bounded is |g^n| either elements. (un)bounded of characterization explicit an give we groups consequences. of number a draw and proof the of idea the explain will I talks two In normal Nielsen-Thurston (i.e. groups class mapping of theory the uses proof The quasimorphisms. and embedding) Birman form,