

המחלקה למתמטיקה, בן-גוריון

תורת החבורות וגיאומטריה

ביום ראשון, 30 באפריל, 2017

בשעה 14:30 – 15:30

ב-101

ההרצאה

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

תינתן על-ידי

Marcinkowski Michal

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