

המחלקה למתמטיקה, בן-גוריון

תורת החבורות וגיאומטריה

ביום ראשון, 7 במאי, 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: Lecture 2.

There are two interesting norms on groups: the minimal length of a primitive element g (For A) and the minimal length of a primitive element g (For B). For a surface S of genus g , the minimal length of a primitive element g is $\approx \sqrt{g}$. For a group G , the minimal length of a primitive element g is $\approx \sqrt{|G|}$.

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,