

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 12 באפריל, 2022

בשעה 14:30 – 15:30

בMath-101

ההרצאה

Mean C^* -algebras: and dynamics between Relations comparison of radius and dimension

חינתן על-ידי

Oregon) of (University Phillips Chris

תקציר: Hirshberg. Ilan with work joint is This
the X , space metric compact a on G group amenable an of action an For
It Weiss. and Lindenstrauss by introduced was X) (G , \dim dimension mean
Its d . is $1]^{d^G}, 0]$ on shift the of dimension mean the that so designed is
 C^* -algebras. to unrelated was motivation
to Toms by introduced was A C^* -algebra a of (A) rc comparison of radius The
algebras The program. classification Elliott the in counterexamples distinguish
dynamics. with do to nothing have used he
-algebra C^* a associates X) (G , C^* product crossed the called construction A
these between connection of lack apparent the Despite system. dynamical a to
 $= (X) (G, C^*)$ rc that conjecture the for evidence significant is there concepts,

the explain will We minimal. and free is action the when X) (G, mdim (1/2)
radius or -algebras, C dimension, mean of knowledge previous no above; concepts
particular, In evidence. the of some describe we Then assumed. be will comparison of
 $\geq (X) (G, C^{\wedge})$ rc direction the towards results partial general first the give we
nontrivial get we but bound, conjectured exact the get don't We X). (G, mdim (1/2)
(G, mdim with systems minimal free of examples known the of many for results
.0 < X)