המחלקה למתמטיקה, בן-גוריון

אלגבראות אופרטורים

ביום *שלישי, 20 בדצמבר, 2016*

בשעה *16:00 – 17:00*

ב-*Math 101*

ההרצאה

of dilations Cuntz-Krieger Choquet via families Toeplitz-Cuntz-Krieger theory

תינתן על-ידי

Waterloo) of (University Dor-On Adam

תקציר: Perhaps the simplest dilation result in operator theory is dilation the of theory. However, when one generalizes an isometry to a unitary. a of family Toeplitz-Cuntz-Krieger graph, directed a of boundary Choquet non-commutative the compute *are and algebras tensor graph of boundary Choquet non-commutative the compute for question this answer to theory Choquet non-commutative We graphs. arbitrary for question this answer to theory Choquet non-commutative are and algebras tensor graph of boundary Choquet non-commutative the compute* Arveson's apply We sourceless. and row-finite is graph the when dilation a such a with us supplies -correspondences*C* on Zacharias and Skalski of result a and family, Cuntz-Krieger (full) a is case this in operator unitary a of analogue The complicated.

-envelope *C the of computation the on Kribs and Katsoulis of result a recover to able* algebras. these of algebra operator the of boundary Choquet non-commutative the as However, any dilate to able are we C*-envelope, the than information delicate more a is on progress make to able are we fact, In family. CK (full) a to family TCK multivariable the for asks that Zacharias, and Skalski of problem old decade a are we precisely, More theorem. dilation Ito‘s of result a generalizing analogue, according commute that $G_1,...,G_d$ graphs of families TCK that show to able still that dilations CK have graph directed sourceless row-finite rank higher a to structure. graph rank higher the to according commute