

המחלקה למתמטיקה, בן-גוריון

אלגבראות אופרטורים

ביום שלישי, 3 בינואר, 2017

בשעה 16:00 – 17:00

ב-101 Math

ההרצאה

spectrum Connes strong the and products Cross Kishimoto) (after

חינתן על-ידי

(BGU) Georgescu Magdalena

תקציר: The context for this series of talks is the topic of α -action on a locally compact abelian group G and the C^* -algebra A of functions on G . In the first part, we discuss the properties of the crossed product $A \rtimes_\alpha G$ and the spectrum of $A \rtimes_\alpha G$. In the second part, we discuss the strong Connes spectrum of $A \rtimes_\alpha G$ and the definition of the strong Connes spectrum. The goal of this talk is to discuss the proof of the following result:

(1980 (Kishimoto, Theorem Suppose (A, α) is a C^* -dynamical system where G is a locally compact abelian group. Then the spectrum of $A \rtimes_\alpha G$ is G .

strong the and α -simple is A \mathfrak{f} only and \mathfrak{f} simple is $G \rtimes_\alpha A$
 G . of group dual the to equal is α of spectrum Connes
articles: two following the are references main The

C^* -dynamical to spectrum Connes the of Applications - Pedersen & Olesen •
(1978) systems

compact locally by C^* -algebras of products crossed Simple - Kishimoto •
(1980) groups abelian