

המחלקה למתמטיקה, בן-גוריון

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## קולוקוויום

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ביום שלישי, 23 באוקטובר, 2018

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

### **covered compactly strongly on entropy Algebraic groups**

חינתן על-ידי

Udine) of (University Shlossberg Meny

**תקציר:** We introduce a new class of locally compact groups, namely the groups which are strongly compactly covered topological Hausdorff groups. For every such group  $G$ , we compute the entropy of every continuous endomorphism  $\phi: G \rightarrow G$ . For a group  $G$ , we define the entropy of  $G$  to be the maximum of the entropies of all such endomorphisms. We prove that the entropy of a group  $G$  is zero if and only if  $G$  is a subgroup of a compact group. Also, we prove that the entropy of a group  $G$  is zero if and only if  $G$  is a subgroup of a compact group. This result is a generalization of a theorem of Toller and Giordano.

This work is joint with Anna Giordano and Daniele Toller.