

המחלקה למתמטיקה, בן-גוריון

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## הסתברות ותורה ארגודית

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ביום שלישי, 25 באפריל, 2017

בשעה 10:50 – 12:00

בMath-101

ההרצאה

### Approximate groups and applications to growth

תינתן על-ידי

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תקציר:

Given a set  $A$  in a group  $A^n$ , for the set of all products  $x_1 \dots x_n$  each with  $x_i$  belonging to  $A$

Remarkably, the understanding of the behaviour of approximate groups allows us to convert some information about  $A^k$  into information about the growth of  $A$ . In particular, as  $n$  tends to infinity, the results describing the algebraic structure of approximate groups and

In this talk I will present various results describing the algebraic structure of approximate groups and