

המחלקה למתמטיקה, בן-גוריון

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## הסתברות ותורה ארגודית

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ביום שלישי, 23 במאי, 2017

בשעה 10:50 – 12:00

ב-101 Math

ההרצאה

### and two for recurrence multiple Quantitative transformations. three

תינתן על-ידי

O'higgins) of (University Donoso Sebastián

quantitative for counter-examples some provide will I talk this In :**תקציר:**  
transformation. one than more with systems for problems recurrence multiple  
( $X, \mathcal{X}, \mu, T_1, T_2$ ) system ergodic an exists there that show will I instance, For  
exists there  $\ell < 4$  every for that such transformations commuting two with  
The  $\mathbb{N}$ .  $\in \mathbb{N}$  every for  $\mu(A \cap T_1^n A \cap T_2^n A) < \mu(A)^\ell$  that such  $A \in \mathcal{X}$   
and  $\mathbb{N}^2$  of subsets “big“ of study the on based is system a such of construction  
properties. combinatorial satisfying  $\mathbb{N}^3$   
Sun. Wenbo with work joint a This