המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 7 בדצמבר, 2021

15:30 - 14:30 בשעה

*101- Math***⊐**

ההרצאה

groups random of varieties Character

תינתן על-ידי

Cambridge) of (University Becker Oren

finitely-generated a from homomorphisms of Hom(\Gamma,G) space The :תקציר:

G- the as known is G group algebraic semisimple complex a to \Gamma group and fixed is G when space this study We \Gamma. of variety representation generated is \Gamma is, That model. few-relators the in group random a is \Gamma fixed are r and k where L, length of relations random r to subject elements k by infinity. to tends L and

consisting Hom(\Gamma,G), of Z subvariety the study we precisely, More explicit an give We G. in dense Zariski are images whose homomorphisms all of the study and ,1 to tending probability with valid Z, of dimension the for formula the in that show we particular, In components. geometric its on action Galois typical a of G-representations Zariski-dense the k-r=1), (i.e., 1 deficiency of case rigidity. Galois enjoy \Gamma

mixing exploit and Hypothesis Riemann Generalized the assume methods Our groups. finite on estimates gap spectral and walks random of Varju. P. and Breuillard E. with work joint a on Based