המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 17 בדצמבר, 2019

בשעה 14:30 – 14:30

101- Math⊐

ההרצאה

Fields. Finite over \$GL(n)\$ on Analysis Harmonic

תינתן על-ידי

Madison) - Wisconsin of (University Gurevitch Shamgar

finite a of properties interesting express that formulas many are There 'תקציר:
of one sums, these estimating For characters. its over sums of terms in G group
ratio: character the is understand to quantities salient most the $\dim(\rho), / \operatorname{Trace}(\rho(g))$

example, For G. of g element an and G of ρ representation irreducible an for analyzing for type mentioned the of formula a stated Shahshahani and Diaconis G. on walks random certain

(https://www.youtube.com/watchv=EfVCWWWNxvg&feature=youtu.be), Recently natural a is there fields finite over G groups classical for that discovered we character the on information strong provides that representations of invariant rank. invariant this call We ratio.

few very the on based representations of organization new a suggests Rank cusp of "philosophy Harish-Chandra's to contrast in stands This ones. "Small"

and principle, organization main the 60's) the (since is which (P-of-CF), forms" representations. "Large" of collection) (huge the on based is fields, finite over GL(n) group the for rank of notion the discuss will talk This apply can one how explain and ratio, character the controls it how demonstrate walks. random for rate and time mixing verfiy to results the numerics The A&M). Texas and (Yale Howe Roger with work joint is This (Madison). Goldstein Steve by carried was work this for