המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום *שלישי, 16 ביוני, 2026*

בשעה *14:30 – 15:30*

ב-*Math 101*

ההרצאה

Random of Polynomials Characteristic The Groups p-adic of Representations and Matrices

תינתן על-ידי

(BGU) Sayag Eitan

תקציר: The theory of characters of theory the to central is representation of theory fundamental a as characters of theory the introduced Harish-Chandra groups. finite groups p-adic and real of representations infinite-dimensional studying for tool the on distribution conjugation-invariant a is character the setting, this In G. formula beautfiul a obtained Harish-Chandra groups, reductive p-adic For group.

integrals. orbital of terms in representations cuspidal of characters the for reductive real for results—valid remarkable most Harish-Chandra's of One the zero—is characteristic of fields over groups p-adic reductive for and groups representations irreducible of characters the that establishes which theorem, regularity achieved He L1(G). in locally are that functions by represented are groups such of elementary rather a of power a of terms in character the on bound a obtaining by this

the measures (which group the on function discriminant the namely function, approach this case, positive-characteristic the In eigenvalues). between distances open. remains problem the and fails, integrability local proving to regularity the concerning results and approach our describe will we talk, this In characteristic. positive of fields over groups p-adic of representations of characters of theorem regularity Harish-Chandra the of proof a to leads this GLn, of case the In (for map Chevalley so-called the is tool key Our representations. cuspidal for characteristic its of coefficients the to matrix a sending map the is this G=GLn, to measures smooth supported compactly sends it that show we polynomial): theorem. regularity the deduce we this from and measures, bounded essentially assumed. be will theory representation or groups p-adic with familiarity prior No and Gourevitch, Aizenbud, with works joint of series a on based is talk This same the by work joint recent very on as well as arXiv:2602.16389), (see Kazhdan Avni. with authors