

המחלקה למתמטיקה, בן-גוריון

תורת החבורות וגיאומטריה

ביום ראשון, 28 במאי, 2017

בשעה 14:30 – 15:30

ב-101

ההרצאה

semisimple in lattices of properties Asymptotic groups

חינתן על-ידי

(Weizmann) Levit Arie

תקציר: Let G be a Lie semisimple group of rank n . We discuss higher order asymptotic properties of sequences in G . Inside lattices of G , we consider the geometric object associated to a lattice A in G . An important geometric property of A is the p -adic or real convergence of sequences in A . We allow G to be K -adic or real. The Benjamini-Schramm property (BS) is a notion of convergence of sequences in A that is distinct from the BS-convergence of sequences in A . We present a theorem saying that BS-convergence implies BS-convergence of sequences in A . It turns out that BS-convergence of sequences in A is equivalent to convergence of terms in the theory of representation to Betti numbers. We mention some implications of these results.

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