

המחלקה למתמטיקה, בן-גוריון

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## קולוקוויום

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ביום שלישי, 21 בנובמבר, 2017

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

### arithmetic high-rank of rigidity order First groups

תינתן על-ידי

University) (Hebrew Lubotzky Alex

**תקציר:** The family of high rank arithmetic groups of class is which groups of class is groups arithmetic rank high of family The  $SL(n, Z)$ , includes It mathematics. of areas various in role important an playing A more. many and subgroups index finite their  $n > 1$ , for  $(Z[1/p] SL(n, , n > 2$  for Mostow including; proven been have them about results remarkable of number talk will We rigidity. Quasi-isometric the and rigidity Super Margulis rigidity, non- a such is D fi Namely rigidity". order "first : rigidity of type new a about group generated finitely a E and group arithmetic zero characteristic uniform sense the in theory order first same the i.e., ) it to equivalent elementary is which Zlil with contrast in stands This D. to isomorphic is E then theory) model of and groups surface groups, free the that implies which work remarkable Sela's many have groups) arithmetic low-rank are which of many ) groups hyperbolic to equivalent elementary are which groups generated finitely isomorphic non Meiri. Chen and Avni Nir with work Joint them.