המחלקה למתמטיקה, בן-גוריון

לוגיקה, תורת הקבוצות וטופולוגיה

ביום שלישי, 7 ביוני, 2016

בשעה *12:30 – 13:45*

ב*Math -101*

ההרצאה

structures ultrahomogeneous of products Infinite

תינתן על-ידי

(BGU) Meir Nadav

תקציר: show and structures two of product“ ”lexicographic the define will We
product. their does so then elimination, quantfiier admit structures both fi that
(ultra)homogeneity, as such properties theoretic) (model nice that get we corollary a As
products. taking under preserved are more and NIP stability,
introduce will we but times, many finitely product the iterate to how clear is It
elimination, quantfiier preserving not while which, construction product infinite new a
a give to this use will we allows, time As (ultra)homogeneity. preserve does
Kojman M. Hasson, A. by paper a from question open last the to answer negative
structure¿‘ indivisible* elementarily rigid a there “Is asked who Onshuus A. and
lexicographic the using for approach an introduce will we allows, time As
a given following: the to Shelah and Lachlan by result a generalize to product
ultrahomogeneous countable of class the H(L) by denote L, language relational finite
value maximum the be to M of rank the define H(L), in M For L-structures. stable

rank. complete Shelah's the is CR(p,2) and 1-type complete a is p where CR(p,2) of The H(L). over ranges M where M, of rank the on bound finite unfiorm a is There by general in proven and binary L for Shelah and Lachlan by proven was result groups. simple finite for Theorem Classfiication the using Lachlan

- every for fi structure indivisible elementarily be to said is M structure A elementary monochromatic a is there colours, two in universe its of colouring M. to isomorphic is N that such M of N substructure