המחלקה למתמטיקה, בן-גוריון

לוגיקה, תורת הקבוצות וטופולוגיה

ביום שלישי, 17 בינואר, 2017

בשעה 12:15 – 13:30

101- Math

ההרצאה

o-minimal weakly for pairs of theory A structures non-valuational

תינתן על-ידי

(BGU) Hasson Assaf

set definable every fi o-minimal weakly is structure ordered linearly A הקציר: of expansion o-minimal weakly A sets. convex of combination boolean finite a is convex definable non-trivial no admits it fi non-valuational is group ordered an of expansion o-minimal an is M fi Baizalov-Poizat of theorem a By sub-groups. on induced structure the then substructure elementary dense a is N and group a non-valuational. o-minimal weakly is sets M-definable all by N

in obtained are structures non-valuational all whether ask to natural is It will We case. the not is this that showing examples give will We way. this *o-minimal an*, M^{\wedge} exists there then non-valuational is M fi that however, show, set) pure a (as M that such set) ordered an (as densely M embedding structure a give will We M. structrue the precisely is sets -definable M^{\wedge} all by extended

depends it that show ,M),(M[^] pair the of theory the of axiomatisation complete of theory the with features common many shares it that and M, of theory the on only reduct the (i.e., core open dense has ,M)(M[^] particular In pairs. o-minimal dense o-minimal). is sets open definable of only consisting Peterzil. Y. and Bar-Yehuda E. with work joint on Based