

המחלקה למתמטיקה, בן-גוריון

לוגיקה, תורת הקבוצות וטופולוגיה

ביום שלישי, 20 ביוני, 2017

בשעה 12:15 – 13:30

ב-101 Math

ההרצאה

ordered and fields henselian dependent Strongly continued - groups abelian

חינתן על-ידי

(BGU) Hasson Assaf

תקציר: The strong non-independence property introduced by Shelah in order to capture the class of theories of dependent (aka non-independence strong) theories, (roughly) conjectured that any infinite field which is algebraically closed, real closed, or henselian (aka property strongly dependent) supports a valuation. The conjecture was solved by Johnson. In the special case of dp-minimal fields, otherwise known as "closed" algebraically (replacing the conjecture with the fact that, in most cases, the property of being strongly dependent is true for all fields without independence property, and separably closed). The line between the two classes of fields remains unclear.

groups abelian ordered dependent strongly that show will we talk the In
of interpretability the suggest and characterisation, algebraic simple a have do
fully yet (not new a as dependent strongly not are which groups abelian ordered
line. division conjectural satisfactory)
dependent strongly of classification the from draw will we allows time If
henselian dependent strongly concerning conclusions some groups abelian ordered
necessarily not – v valuation henselian any then dependent strongly is K fi (e.g., fields
group). value and field residue dependent strongly has K on – definable
will any) (fi use little and self-contained less, or more be, to aim will talk The
terms. theoretic model technical of made be
Halevi. Yatir with work joint on (mostly) Based