המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום *שלישי, 9 ביוני, 2026*

בשעה *14:30 – 15:30*

ב*Math -101*

ההרצאה

Abelian of theory positive) (universal Inclusive groups

תינתן על-ידי

(BGU) Mashevitsky Grigory

תקציר: Model theory of Abelian groups is extensively studied in the literature
also in recent years. An identical inclusion is a formula that can be expressed as
a (possibly infinitary) disjunctive identity u = v1 ∨ u = v2 ∨ u = v3 ∨ . . . ,
or, equivalently, as a universally closed identical equality of subsets of words
(terms). For groups and rings, the classes defined by identical inclusions and by
infinitary disjunctive identities are coincide, for semigroups they do not coincide.
A class of algebras defined by a set of identical inclusions is called an inclusive
variety. An inclusive variety that can not be defined by first order formulas
is called a nonelementary inclusive variety. An inclusive variety defined by a
system of identical inclusions - each depending on a finite set of variables - is
called a quasielementary inclusive variety.

varieties inclusive quasielementary and nonelementary elementary, describe We of each of varieties inclusive many continuum exist There groups. Abelian of inclusions identical by defined groups Abelian determine also We kinds. these

equivalence. inclusive to up groups Abelian classfiy and isomorphism to up