המחלקה למתמטיקה, בן-גוריון

גאומטריה אלגברית ותורת המספרים

ביום רביעי, 13 במאי, 2015

16:30 - 15:00 בשעה

*201 Math***⊐**

ההרצאה

and equations dffierential of solutions Counting consequences diophantine

תינתן על-ידי

Toronto) of (University Binyamini Gal

מחשיר: conditions algebraic of set a given problem: following the consider We many finitely admitting derivatives, I first their and functions of n-tuple an on the for bound upper an give one can field), closed dffierentiably a (in solutions the of degrees the of terms in estimates present will I solutions? of number polytopes Newton their of volumes the generally more or conditions, algebraic singly-exponential are estimates The theorems). BKK and Bezout the to (analogous degrees the to respect with asymptotic natural the have and n,l to respect with to due estimates doubly-exponential previous sharpening polytopes, Newton or assumed. be will algebra dffierential with familiarity No Pillay. and Hrushovski similar deduce to applied be can result this how sketch will I application, an As subvarieties algebraic on points lattice transcendental of number the for estimates

time If Pillay. and Hrushovski following varieties, abelian and tori complex of intersections of number the counting to application an mention also will I permits Freitag following varieties, algebraic and curves elliptic of classes isogeny between Scanlon. and