

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 14 בינואר, 2020

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

(super)algebras Lie and geometry Enumerative

תינתן על-ידי

(Technion) Polyak Michael

תקציר: One of the classical enumerative problems in algebraic geometry is counting of points of a collection of curves through a variety. We explain this procedure as a construction of certain cycles on moduli spaces of curves. Tropical rigidity of moduli spaces is related to Lie algebras. In particular, counting of real and complex curves is related to the quantum Lie algebra. More complicated invariants counting the structure of super-Lie algebras are related to Gromov-Witten theory. The quantum torus algebra or tropical geometry of knowledge preliminary [No expected.] is