

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 16 ביוני, 2015

בשעה 14:30 – 15:30

בMath-101

ההרצאה

Berkovich's fields: p-adic over Geometry approach

חינתן על-ידי

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תקציר: p-adic fields have been introduced by number theorists for arithmetic purposes. Such a field is complete with respect to an absolute value. For every positive radius r , the closed ball of radius r is open, and the open ball of radius r is closed. This is a strange behaviour: in the real or complex case, the closed ball is not open and the open ball is not closed. In the p-adic case, the closed ball is open and the open ball is closed. This is a non-trivial property of p-adic fields. In this talk, we will present Berkovich's approach to p-adic geometry. This approach is very subtle and good to order in spaces "p-adic naive to points of lot a "adding in consists After path-connectedness. local or compactness local like properties, topological examples, significant some investigate will we definitions, basic the given having in had has theory the of applications (numerous) the of some of survey a give and geometry...). arithmetic and algebraic dynamics, theory, (spectral areas various