המחלקה למתמטיקה, בן-גוריון

גאומטריה אלגברית ותורת המספרים

ביום רביעי, 2 בנובמבר, 2016

בשעה *16:30 – 15:10*

ב *Math -101*

ההרצאה

derived of category behaved well a On rings commutative

תינתן על-ידי

(Bielefeld) Shaul Liran

תקציר:

Ben Gurion University – Mathematics

Algebraic Geometry and Number Theory Seminar

Speaker	**Liran Shaul (Bielefeld)**
Title	**On a well behaved category of derived commutative rings**
Date	Wednesday, 2 November 2016
Time	15:10 – 16:30 (starts 15:10 sharp)
Location	Room -101 in Building 58

Abstract

Let K be a commutative noetherian ring. The goal of this talk is to present a category of derived commutative rings over K which includes the finite type K-algebras, and is closed under the operations of localization, (derived) tensor products, and (derived) adic completion. To do this we introduce a homotopy category of derived commutative rings, and explain how to perform these various operations in this category. In particular, we construct the derived adic completion of a derived commutative ring with respect to a closed subset of its spectrum under mild finiteness conditions.

(updated 24 Oct 2016)