ALGEBRA SEMINAR

Hodge theorems via derived intersections

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ABSTRACT: The algebraic Hodge theorem was proved in a beautiful 1987 paper by Deligne and Illusie using positive characteristic methods. These methods were generalized by Kato to prove the version of the Hodge theorem for logarithmic schemes. In the talk I show how one can recast these results in the realm of derived algebraic geometry. The work is joint with Dima Arinkin and Andrei Caldararu.

MONDAY, APRIL 11, 2016
1:30 – 2:30 PM
ROOM 617, WACHMAN HALL
DEPARTMENT OF MATHEMATICS