
THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE
Algebraic Geometry and Representation Theory Seminar

Room 155 ,Ziskind Building
on Tuesday, May 07, 2019at 11:15

Luc IllusieUniversity of Paris-Sud

Remarks on liftings mod \mathbb{F}_p^2 and the Nygaard filtration

Abstract:

I'll revisit decompositions of de Rham complexes in positive characteristic (Deligne-Illusie), by discussing relations between cotangent complexes, liftings mod \mathbb{F}_p^2 , and de Rham-Witt and derived de Rham complexes. Such relations have been recently observed independently by Bhargav Bhatt.