

1081-18-336

S. N. Kitchen* (sarah.kitchen@math.uni-freiburg.de). *Koszul Duality and Mixed Hodge Modules*.

In their paper on Koszul duality, Beilinson, Ginzburg and Soergel indicate that the setting of mixed geometry is the most natural for formulations of statements on Koszul duality. However, their techniques for working with mixed l -adic sheaves and mixed Hodge modules were necessarily different and in the end, their approach to mixed Hodge modules was quite specific to the B -equivariant geometry of the flag variety. In this talk I will explain joint work with Pramod Achar, where we produce a mixed Koszul category from the category of mixed Hodge modules on a stratified space (with some restrictions on the stratification) by a general procedure. (Received February 14, 2012)