

The integral motivic Satake equivalence

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The geometric Satake equivalence describes the representation theory of the Langlands dual of a split reductive group in terms of sheaves on the affine Grassmannian. Numerous versions of this equivalence are known for different base schemes and cohomology theories, each having their own applications in geometric representation theory. In this talk we discuss a Satake equivalence for integral motivic sheaves which unifies previous versions and refines the rational motivic equivalence of Richarz and Scholbach. This is joint work with Scholbach and van den Hove.

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