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The coherent Satake category

The affine Grassmannian Gr_G of a reductive group G is the moduli space of pairs (V, ϕ) where V is a principle G -bundle on the disk and ϕ is a trivialization of it away from zero. I will discuss the structure of the category of coherent sheaves on Gr_G (a.k.a. the coherent Satake category).