
WORKING SEMINAR ON
MIRROR SYMMETRY ON THE HITCHIN SYSTEM

$$\begin{array}{ccc} \mathcal{M}_x(G) & & \mathcal{M}_x(LG) \\ & \searrow & \swarrow \\ & B & \end{array}$$

The derived category of coherent sheaves II

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Abstract. In our journey towards homological mirror symmetry, we will resume our study of the derived category of coherent sheaves focusing on the functors involved in the definition of Fourier–Mukai transforms: push-forward, pull-back and tensor product. We will describe the associated derived functors and some relations among them, namely the projection formula and base change theorems.

WEDNESDAY, NOVEMBER 20

15H

IST, ROOM 3.31