

# Herbert Kurke

## Geometric Langlands fuer Dummies

**TIME:**

16 Jul 2007, 16:00 - 18:00

**LOCATION:**

The GLC is the following: One expects an equivalence between compactly supported derived categories (of bounded complexes) of coherent sheaves on

and of coherent

-modules on

. Moreover, this correspondence should associate to points  $[E]$  of (identified with the 1-dimensional skyscraper-sheaf supported in  $[E]$ )

so-called "automorphic

-modules" = "Hecke-Eigensheaves to  $E$ ". We will explain this notion in some detail, and results obtained in this direction.

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