

Eine Woche, ein Beispiel

### 3.9. semi-orthogonal dec outside Kuznetsov component

Ref:

[Huy23]: Huybrechts, Daniel. The Geometry of Cubic Hypersurfaces.

[Huy06]: Huybrechts, D. Fourier-Mukai Transforms in Algebraic Geometry. Oxford Math. Monogr. Oxford: Clarendon Press, 2006

The semi-orthogonal decomposition can be found in [Huy23]:

$\mathbb{P}^n, \mathbb{P}^1 \times \mathbb{P}^1, \dots$   
 $\mathbb{P}^n$ -bundle  
product  
blow up

sm quadric  
sm cubic  
sm hypersurface  $d \leq n+2$

$F(Y)$

✓  
[p 367]  
?  
[p 367]

[Chap 7, Ex 1.20]  
[Chap 7, Ex 1.21, 1.25]  
[Chap 7, Thm 1.34]

[Chap 7, Prop 1.37]