Miam: 109 - Kuznetsov
Fractional CY rategories
Let I be a triung detected on for Jim. How Def: A some functor to I is an exact space
Def: A seme-functor to I is an exact space space - autoequivalence ST: T - I 5.1.
- autoaguitaleuce ST: T- 1 5- +
there is a bi-(wet. iso.
How (F,G)"== Hom (G, S,F)
(Axiamatization of Bio Dualet
Ex! J=Db(X) X sm=12. propertie
=7 Sx(F) = Foowx[dim X] is a Some-fruct.
Dof: FCT (fractium) (T) ortegay is a time
at J for which Sy exists and Sportlat
$a,b \in \mathbb{Z}, b \neq 0.$
Ex: i) If X is a CY variety = ?
Sy = [Jim X]
2) If X is an Enriques surface
W. 4 (2. but av2 = 10
$\frac{\omega_{x} * \omega_{x},  \omega_{x} = \omega_{x}^{2} = \omega_{x}}{\omega_{x} * \omega_{x},  \omega_{x} = \varepsilon_{x}^{2} = \varepsilon_{x}^{2}}$
t) v · ~ c · v · - det · s · f · - ·
3) X:s Cf, G: X2, adtion is free the
D*(X/G).





