(6)
$$dr, \mathcal{B}, dg = \operatorname{clegar}(\mathcal{B}) \longrightarrow \mathcal{A} \otimes \mathcal{B}$$
 with dived $O(\mathcal{G} + O(\mathcal{G}) \otimes \mathcal{O} \to \mathcal{A}$
 $\mathcal{A} \otimes \mathcal{B}((X,Y), (X',Y')) := \mathcal{A}(X,X') \otimes \mathcal{B}(Y,Y')$
 $\mathcal{B} = \int_{\mathcal{G}} \int_{\mathcal{G}} \mathcal{G} = \int_{\mathcal{G}} \mathcal{A} \otimes \mathcal{B}$
 $(g \otimes g^{-1}) \cdot (f \otimes f^{-1}) = (-f^{1/6}(g \otimes f) \otimes (g^{+} f^{-1})$
 $\mathcal{B} = \int_{\mathcal{G}} \int_{\mathcal{G}} \mathcal{G} = \int_{\mathcal{G}} \mathcal{A} \otimes \mathcal{B}$
 $\mathcal{B} = \int_{\mathcal{G}} \int_{\mathcal{G}} \mathcal{G} = \int_{\mathcal{G}} \mathcal{A} \otimes \mathcal{B}$
 $(g \otimes g^{-1}) \cdot (f \otimes f^{-1}) = (-f^{1/6}(g \otimes f) \otimes (g^{+} f^{-1}))$
 $\mathcal{B} = \int_{\mathcal{G}} \int_{\mathcal{G}} \mathcal{G} = \int_{\mathcal{G}} \mathcal{A} \otimes \mathcal{B}$
 $\mathcal{A} \otimes \mathcal{B}$
 $(g \otimes g^{-1}) \cdot (f \otimes f^{-1}) = (-f^{1/6}(g \otimes f) \otimes (g^{+} f^{-1}))$
 $\mathcal{B} = \int_{\mathcal{G}} \int_{\mathcal{G}} \mathcal{A} \otimes \mathcal{A} \otimes \mathcal{A}$
 $\mathcal{A} \otimes \mathcal{A} = \int_{\mathcal{G}} \mathcal{A} \otimes \mathcal{A} \otimes \mathcal{A} = \int_{\mathcal{G}} \mathcal{A} \otimes \mathcal{A} \otimes \mathcal{A} \otimes \mathcal{A} \otimes \mathcal{A}$
 $\mathcal{A} \otimes \mathcal{A} \otimes \mathcal{A}$

$$\begin{array}{cccc} \begin{array}{cccc} Definition: & \mathcal{A} &= \mathrm{dg} & \mathrm{chypery} & & \mathcal{H}, \mathcal{H} \in \mathcal{H} & \mathcal{H}, \mathcal{H} & \to \mathcal{H}, \ \mathcal{H}, \ \frac{\mathrm{der}}{\mathrm{ch}^2} & \mathrm{fight} & \mathcal{H} & \mathrm{constatic} & & & & \\ \mathcal{H} & \mathcal{H} & \mathrm{chypere} & \mathcal{H} & \mathrm{fight} & \mathcal{H} & \mathrm{chusker} & & & \\ \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathrm{der} & \mathrm{der} & \mathrm{der} & \mathrm{der} & \mathrm{der} & \mathrm{der} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \mathcal{H} & \\ \mathcal{H} & \\ \mathcal{H} & \mathcal{H} & \\$$

⇒ IP Dock is a category is convicully triangulated rince
Dock = dlok (qino) ≈ dlok/(x = 0, 0) convicully triangulated since (x=0, 0) in <u>null system</u>
<u>Definition</u>: A dg category of is called protriangulated if the fully faithfull functor
h:+1°9: H°A → dlok (induced by dg Yanda functor di of - Cdg.d)
induces the structure of a triangulated category on H°A.
Explicitly h is supported to be ritule under the surprevion [±1] and taking comes,
In this care we call the triangulated category H°A algebraic triangulated category.
<u>Theorem</u> The Verdier Localisation of an algebraic category is algebraic. (Ignoring set theorie yrollene)
<u>Remark</u>: I all triangulated categories in algebra are algebraic.

pretriaugulated exact dg dg category generalise category [Xiaofa Chen 2023] Ho algebraic triangulated cat Sourcealie J r' Ho [Nakaoka-Palu 2019] abelian cal compexant adequie