Murol Spaces of locally frito D'd cats Rmk Need & PULSO H*

is projective, and to

USE minimal incless

tower in the

end.

e happens to be

Othrie, vee doffert

LEK god bille

of Did cut, iden complete, ess. small, I. I really, triangulable; no strett specified.

> The An algebraic Sd str on Jis a dg-cat C, ul equiv.

7 2 Dc(6)

I derv cat of empet obj.

Then the space of alg. enhancements is

M(J):= Nerve (hon Monta hers)

D((e) > D(D)

Most realts are about - large J. or

· J-D(Abelian Cut).

M € 2 TIM (M(J), C)= (HH 2M(E) HHO(C) X

dervel Pic m=7 m=1 Note M(T) NOT stack - behaves poorly wrt ext. of scalars

Rmk "Cohan facti" is one conday exact & to ex cognices.

It indep of Dd stactre on J.

Deh I louly first of any cohon factor

J-) Ab or Jop-1. Ab

15 D of the representables

=) any inclump, maps to only shitly many indecomp.

Ex 1) Db(A) A aly of first rep type

1) Db(A) A aly of first rep type

1) Db(A) (A) stable mulle cut A alf-ing + above hyp.

2) mul (A) stable mulle cut A alf-ing + above hyp.

3) Db(A) (B) orbit cut, A=path aly of Dyorko giver

4) Cluster cut. of first type

De Cat con actinias (noetheran)

Graded enchant of J: Jn(X, Y) = hom (X, Zny) Hoch whom of I bigaded! $HH^{S,+}(\mathcal{I})$ S Hack schild degree t Internal Septe Since Typeded) HASit (7) Huchschild - Tate cohom, defined bk all proctoes are injection. Thus 2-sided res. when artinian Invetheus Ploally first => units (weathable sque;

To M(J) = (HH3,-1(J) / HH+1,+(J) × V(TX,XI)) str. Claim I loally frit -> modulo Aut 17). I I to the k, Given [a] E To, Dyer-Lushof, have SES . C______________________.

where computed by kerel of [x, -] on HH" (J) wertahuher.

Amis) has ob Am-rat al equiv 400 - 7

hor

sets on finge lue

(M'(I) ->MII), who M'(T)= 06 predid C, how quis, Two, capates like)
weird categy— lathy H(E) at 7, but homes
my carpathle at objs, not
rec. ut equivitall. Werd!)

Ay enhant Cd I has moral Ano model (7, m3, m4...)
where o m3 EHH31-1 (m3 unit Massey product;
deterrier all Massey product;
product (7)

[{n3}, -].