Dskalla unbold dwed cat D(C)= Hot(C)/Acrc(C) Dro(C)= Hot(C) / Acyc (C) defed if @ exact in @ "codensed" < Tot (K-12-11 ces) > doed ut € dehat if T exact à C. Detr = Hot(C)/Acycor(C) < Tot (K'-L'-M'ces)>TT clarfall TT

> Post - C. erosyh in j · Du shychs has first in j d m countable shychs has first in j d m - D co (C) = Hot (Cinj)

- C renyth proj . TT pryectus has finite proj don countable —) DCT (C) = Hot (Cproj) Pyr C finite homoldm

DO 2 D Ctr

FEB 1/T Exact

Chun C cours coally / R fill.

left C comole M is M — COM TOI CO COM

ii | EDI |

coally / R fill.

10. Co Comole M is M — Co Co M

coally / R fill.

10. Co Co M

coally / R fill.

left & contamed M P is

har (e, har (e, P)) — The ham (e, P) — The P har (eq e, P) — P

10, date of TT

mod

D(A-Med) = D(A-Med)

A assoc (ing

Ex Virt aly, Virteally, a certal

Besonico (Octvin) = Desonico (Octvin)

Vir=Viracuo dyebra.

Covinit Sone-brothodeck

duling (Iyengar-Krane)

DOO/DOOT

A,B assoc

A,B assoc

A left columt, Bright cohort,

W a duling capte ADB.

MI PRhay ID, M)

BBP C BP

comod/contamod

Mathis-Chenters May dulity for carping

D(C-comed) a D(D-contained)

C(D) coass/k Odd,

C left cocohut, D right cocohut

V "deducting" captex & BD

Rhung (B, M)

E

B

B

P

B

B

P

more graffif S aly obj in E-comd-E,

wrt De, then β sco (β scon δ) = β sctr(Ssctr)

via $M \longrightarrow Rhon_{\delta}(S_{\delta}M)$ Soft $P \longleftarrow P$

Co-contra Correspondre!

DCO(C-comod) = DCONTA (CCONTA MOd)

** C coass coun. coals / Rhall

M° - Rhangeonal (C, M)

Copp - P°

Contained versus of O.

Wast defie.

```
些Al gps
      M torsion of QEM=0
     Preduct colorsia if Hom2(WP)=0 = Ext2(W,P)
    Horsin M) CAS
         I Some subcat-10, cloud under subs, quers, exis, E.
                                                               abelia cat.
    {reduct cotors} CAb
              Labelian subcat-10, chad only (co) kern, extrems, undon't T.
                                       subges need with he reduced cotor;
                                            but any how both red. cot. have sed. cot. (co) had.
        Thm D(Abtus) = D(Abred cot)
Pf Two equhus: DD(Abtus) = Hot (Ab this) = Hot (Ab Proj ) = D/Abredon)
                                honol. In (Abretar)= 2 < xb
                eragh in In Abtors
             Abforshus how dim = 1 < 00
                                      Abin = Abproj (as addition als) then
                                        M - honz (Orz. M)
```

Yportall" or "adia" conflictions not injusted? D(Abtors) = D(Ab)/D(Q-vec) = D(Abredicar) two semiorthay decomp:

D(Abtors) = D(Qvect) DO-Very = DIAbredua)

GgP ← P

R North comming, ICR ideal R-mod > R-mod = {M | RTS-1@M=0 + se I } arsit. Tange Rmid > Rmod Ictra = SP | home (RTS-1], P)=0 # SE. I }

Extr (RTS-1], P)=0

and R-mod Itars Some subcert, abelian. Romad Icta ahelan subcat

TI & R-mod --- R-mol Itus right ady to inclusion.

~ RbPi Db(R) - Db (Roch Jts)

8':= RPIR) "deduling" D:= RTz(De) Dedulry coph of Romad. D"t-deling" CPX-

· "rng along P/I" (RI) B

· "coaly in truspexul drai"

Rnk orthey decomp un

DItas (Road) = Dearly (Road)

He is Itars

He is I care

when common athogen is shower special on Speck Speckly)

18, sepp on compleme T.