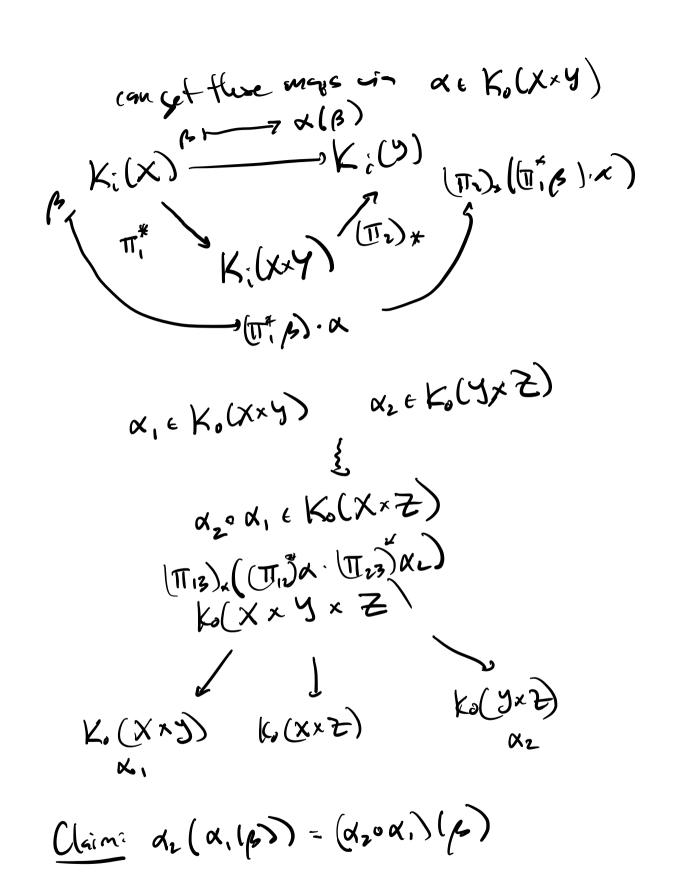
Projectere budk franki A camon. M. PA Ki(PA) = Ki(LP(PA)) = Ki(Coh(PA)) j=0 Ki(A) (In the can i=0 Ko(RA) = (DKo(A) A= fulch Ko(PM) = 0 Z[O(-j)] 1-0 K; (A) · [O(-j)] us the (unpower) fact that Kx(X) are a graded of. Sletch of "lifty" this from ko(x) to Ki(x) iles express ple induided parectors Ki(RA) -> Ki(A) you! K-corespes $K_i(X) \longrightarrow K_i(Y)$



In paticular KolxxX) is any in o Ko(XxX) = End (Ki(X)) all i of homeomphism Busic tool to understand strate (Ki (x) is "decompositor et the dragonal" g: 4 - Z f:X-y 7, {(x, x, x)} 7, 26, 819) } Pg. P. S (x, g (e cm)) ((x,fw), 2) 305(x, y,g(y))3 {(x,fco), g(fco))} {(x,figcoss)}

(TIB) ((TIB) (TE) (TE)

Jurns aut Ko(XXX) has unit [00]

ACV e; Vyvi

Se: =1

Def A decompositor of the disjonal of X
is a callecter of orthe islampotents en-zero
contlect Soci=1

Pierce
1

Be KilX)

1.6=6

Zei(s)

K(4) = 4 ej(Kih)

 $e_{i}(K_{i}(\kappa)) = K_{i}(A)$

K.(X)

Spec A may X=PA semiarthyal secons constact projectors anto Q(i)" lescorp

· K-thy-l A'.
. Sever-Boner Vietus / Central single colphes

-> . BGQ - spectal seque (Block's fouler)

Geoder conjecte)

concrete

abstact

(Rotman (ald) homals)
Eiserlad commay.
Notes for my dess

Valalls rising sea (exercises)

Miley Use's guile to Spectal æg's. You could have muntal Esk.

Intro to CSAlgebra, Bruer gray, Galais cohom & Norm-residue isom. Hom (Carjactue) でこしらう リーラン Fap prim. of the road of 1. (a,b)p in=a jn=h ij=pji there are sometimes division algebras

(iff b & N F(Na)/f) always "central comple alybor" DE A/F is CSA if dimpA = 00 Z(A)=F Asimple Welleton-Artn: A = Mm(D) D est/= D CDA" gwybu J D onlye opto a

ANB A,B OSTIF if same "underly down aly" Bamulo,) (WnMe A $D \approx D_j$ Mn(A) ~ Mn(B) Q' What do division alphas hot like? Robertal Q: what do CSA's (at like of to Br egon) $M_m(D)$ (a,h)p E = F(3a) E = F(3a)

Main result I Abot-Brone. Hace. Waethr eny diray our # feld is I the for (Erb) Irsone Ext cyclic. "Cyclic Hys (E,G,c) = DE ug $u_g \lambda = g(\lambda) u_g$ ugun=cg,h)ugh u uglunus - (ugusuk g(c(h,k)) c(g,hk) "c(g,h) c(gh,k)

Amazing tact: every CSA is Br. equialent to one of there &

Operation, Socoto 13 a 2000 1

Det if A is a CSA, let [A) denote the Bre ez class IA.

[V] + [B] = [40B]

[A] = - [A] Grap called "Bour groop" Br(F)

HPCG,ET) -> Br(F) à meste. N,L E | G' Z²(G,E*) G'/N=G F >22(G,L*) lim H2(G, Bx) ~> Br(F) E'F "H2(Gol(Far/F), (Far)") H2(F, Gm) Q: If MncF, is Br(F) gontal by symbols Thm (Merk-Suslan) Yes. K,(SB(A)) K,(A) SP(A) "trotalles
of prospe" A/P CSA KISB(A) = OK (Abi)