Infraction products via deformation to normal cove "Specialyers to normal core" ZCJX nysterty embedded VGX closed subschere, get a closed embedly CrozV = CZX = NZX nomal bundle. [1] -> [C1021] -> [N]U[3] -> [N]·[3] In last: sp well defed may CH_K(X) -> CH_K(N=X) this cames hem "Unation to narmal cone" Constact a family X ~ MZX ~ NZX

Jelet 1

* Co A' CO

Bl forkford A' xP central film two companies. ofter comparent of inv. in to 2x 803 is a división of the garper trasfer of one in Block XXAI Blax prophs.t

Projet Land

Pro (Folto- AGO B gossibly a / hypothesis)

in our cory this; Blzx60) & Blzx608) & Blzx608) Pieces of exceptual 2mis of Blanco camesi P(N2X @1) M2X=(Bl2x60) XxA) > Bl2X at the central libr = P(Nexen) / Prayx) $= N_2 \times$

Intersection my (X smooth somety on a field k) CHI(X) my strake on cycle classes is difed by [V]. [W] V, W CoX claved solvendes D: X - XXX 15 a nyulor emhedd). (more severally: if 1:x -> y, y smooth then 8p: X - Xx y is a yolar embeddy) defe [v].[w] = 0 ([v×n]) {x \ (x,x) = (xw}

Also gree general pollhacks (not necessary floot!)

if I: X = Y maghism, X, Y smooth.

It (a) = 8 ([[X] x a))

archy

Chow Victry for foday.

Chern classes

Pecah: Lihed $C_1(D) = c_1(L) \in CH'(X)$ L = O(0)Via: $C_1(L) = c_1(L) \cap [X] = [D]$ great way of express into about a line bundle $L \longrightarrow c_1(L) = [D] \in CH'(X) = Pic X$ X = xyy =

Hybr don? E vhorte what i Linaton can CHGD see about E?

Special core E = DLi

Matke that any symmetric prop expuestion in C. (Li)'s turns at to see a well wheel of on the a bonder.

C,(E) = C,(L,)+--+C,(Lr) € CH(

c2(E) = Se(Li)·e(Lj) & CH2

ce(E) = Z C,(Li,)...c,(Lie) ect-le

"The Chan classes"

"chern " de thy Cham Cham Cham Cham Cham Sque sque props, but loog less into. Shere/1

(all revietes) Pet of high Chen classes (Splitty bushle) Goali delie a norm & celE) lerkE 51. if Echo-obr Hen celle = elem. symm. poly. I dy l
in C(CLi)'s · it x by E/4 then 1* c(E) = ce(8xE) more generally it we like ... > Er = 0 Fi in E codin Er in E Li= E'/Eirl, some def la ce(E) as celoli)

Constitute la general lundes is then as follows:

Splitty primate lournes: Given E/X vis.

then I II:X -> X s.d.

THE = COX injecte

THE = COX injecte

THE = COX injecte

if you believe this, then have to have Trace(E): ce(TE) = ce(OLi) - defined by axian TIT Ca(F) uniquely definise ca(F). Pt of sp. Lemma (sketch) induct au rank E (1k1 V) ingerral, gren E/X P(E) (Ederagne) veE, lcE)