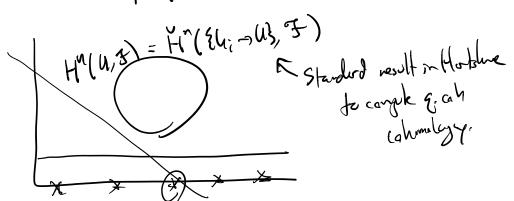
0p(X) ap(4) If Ci, P are Grath tops maphism . I sites is a functor Fic-D a morphism of sites is a functor file of Sil-1: 4 -X 1.000 Last this {ui -> u} row in T liked Mi( {u; -u}, -3) 3 preshed. = r. dured trucks at HO() Alla(T) - AL Can also take limits of return cours, get Hi(u, F): Im Hi(E4, -42, F) also reduced limbers as above. Cech spectal seg. HP(24; -4), 28(3)) =>HP+8(U, 3) probat 28(F)(v) = H&(V,3)

similarly, HP(U, H6(31) => HP+6(U, 3)

= q.colment H8(V, 5) Valte 26(3)(Ui, n. - 0 Ui, ) = 0

HP({u; -u}, 28(3)) = 0 if 8 > 0



Romerk: (Artm)

Theorem X 1. compact s.l. eng Interstruct is combined

in an alber (c.g. X 9. projecte) and

gashed in X of then Het(X, y) = Het(X, f)

Exercise if com is {u; -u} i=1,2 Znisk Apology Then Cech spectal square -> Meyer-Vertrès square  $\rightarrow H^n(u, \xi) \rightarrow H^n(u, \mathcal{F}) \oplus H^n(u, \varepsilon) \rightarrow H^n(u, \varepsilon u, \varepsilon x)$ Hn+1 (u,3)

Levay Sequere

let (:T -> T' be a marphon - I site, UET and Fasher an T' Hen her a specieng.

E2 = HP(U, R&fs(3)) => HPHB(f(u), 31)

f'(3')(u) = 3' (f(u)) (pollback la perhaes) PreSh # Sh > \$ \$ # of ? i

in cases of intrest, # will not be vecesary.

Descent:

{Ui -> U3 con then maps between shows on U

Hom(I, I)

maps between

pull beeks to Ui's Home (II ly, Ilu,) which argue an aways !! Homui (Fluir, & luis) if U schene ul Grath top
(étale or athr) unt this to hold to q. cohnect stere. note: if of a great steel on U Ui JU, har pullback of achiever shows a gues a prostal an eat of schoold on eat of schoold on can ask if this is a shalf all to some top on