```
o) why 10-throng?
  1) moduli of objects in . by aleggy
                                                                      Reforces. Blanc, 17p. -- "
  2) top to they of by alegoner, + top k-theory.
                                                                                 · Kaleda ICh addess
                                                                                 · KEP,
  Delates to algebraic k-they & the Chara drawcher.
                                                                                 · w. ldbeugn, etc
  X aly ranely / 6 . A Character]
    ~> Hap (X)=H'(Dx,d) = 4g(X)=H(X, 1)=H_Z(X)=H'(x, Z)/43.
 (OR LG puri, more related to situate we're been streyed, gives perods via In those vol. form

= (L, D)

= Hope (X, W) = His (Dx, d+= dW)

perods no "orcholog integrals".

L'ell'(X, Z).
= H= (x, w) = H= (12x, d+= dw)
     H3°(X,W) = H1°(X, { Re(W(Y)/2) <<0}; (C).
     Hz(x, w)= H.(x, {Re(w(1)/2) <= 0}; 7]
Expectations(?):, H'(X, Z) is posty behaved as a non-committee that - (int - of category perf (X)) &

should be replaced by KtP(X). (Flores: (Roles: 2) Lbock; and Kip(X, {Re (WY)/2)<50)})
         · Have delet lattre ch: yelor(X) -> HB(X, C) which is conversable -/ H'(X, Z)
                I bethe behaved.
How to get ktp(X) from Test(X)? [Blanc, follows, poposel of Tien]
                                                                                   Careats: ee will be
                                                                                        Sketchy about Specia
 Already Mou Har (X) ( ( ) = HP (pent (X))
                                                                                             us. speces of
                                                                                                 chan endexa
Ea dg/Ass rategory / C avery imported.
                                                                                                 1 vs. 8.
1) Lodichila solali of spects in Class - Vaggite.
                    Me modulist partel in Modele)
                    Me model of possession in hod (e).

"pseudo-rifect"

(in syop)
 Thouse Black: I a function KPP: dg (at _ _ _ Splection), celled topological k-they
                                                                           -f ne-peces
        satisfying:
                  (a) Ktp(1) = BU = K40 (x).
                   (b) If X sep. date (-schee finh typ)
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 $K_{pb}(bey(X)) = K^{pb}(X(C))$ () Month unt, commets of (filled) whents, eh. (d) Let Kaly denote dystrace be-flay. Then, I a further do-you dien thank ". Kaly(e) ich) HC-(e) e neg. cyclic handsy (Conner, Kensti)

(Conj: chop = for any sin. proper e

Too, Hood-Jos)

The Hope el which mensore is competible if the Rengi.

Lil Definition (doos to reque watery we K!)

Definition (doos to reque watery we K!)

To an - Vague ). Actually two intensity moduli spiges Me = { perfect models}: Aff Pureduzes — Septet no tules )

Afte — Stanle, pet(A). = Fin

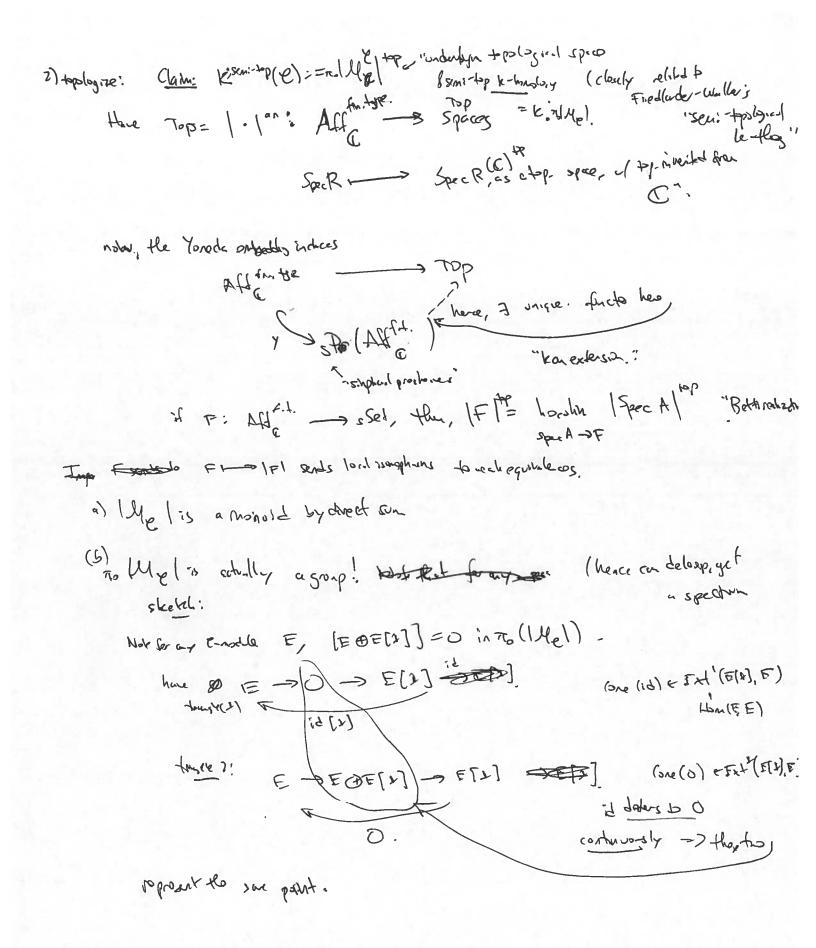
"ph. in e"

To Me = p. so. cluses of pope models.

Peccl gres Afte — s Set. "So - stack"

Peccl gres Afte — s Set. "So - stack"

1) if e : sol "house type" (dightly shrage-than smooth, holds for pef(X) if X hos for. type) ~ Me algebraic " welly gester 1 of forth meather". 2) Ppoper smooth: Me CAME - bolo ME C> Me 3) T smoot & propr = Me = Me (ex: e= A-mod: Me: SpecB -> A@B-noddes projecte of finit rack are B. represent as: & I thom way (A, M, (K)) / GL, (K).



Lem: Ksenitop (pl.) = Bloby = Z × BU (11.38 Ln)+.

So every Kst(e) is a goded Z[B]-module, coming from TzBU = ESpa>. Def: Ktop (E) = Kani-top (E) [B-1]. Steph. Defitte & moduli of vector spries and Baly.

Vect. = 11 36ln. grap . Wact. It. now, Rul Myect. [ = {UBGL\_(C) | +. = (IBUQ(O)) = BUXZ. to = BU, Bot dun chareck:

3) re(the to dyesic to theory: have  $K_{ely}(e) = (\pi_o) SlNW.Sl$ rech Sue in the set of "k-step equalities in e."

Bengtual map

Comos, feavolis,

HC-(E) [Goodwellie, Hood Labos]

Those, for ko(e) ch ((x)) = (illy) in the further  $K \xrightarrow{f_{\times}} e$   $f_{\times}: HC^{-}(K) \longrightarrow HC^{-}(E)$ 11 1 [4]

Tabuada, Cashshi - Tabuada. Blane: (an actually define Schlichting. Kemi-top (e) so va algebraic le theory asfillas: there is a pre-sheef of algebraic k-thorner: K(e): Aller -> Sp (Spec A), -> K(POL A). then Keniter (e) also = | K(e) | top. Kalg(T) > Kt (T). why? the Me (e) inclusion of prestitions 1 92 0920 93 L 9 92 002 00 C 9 020 920 93 which andress as A' honstpy-equiles " can smoothly delan any oftentin until its toully split", here a equilie on 1 - 1 top. here, there is an inherted them diasete: Kingle ) —> Kst(e) "ch top " Jeh Jeh HC-(e) -> 1A-> HC-(80A)/407 -> /A-> HP'(80A)/40 1/2 [kask]. what are those? I -> HP(e)@HP(A) 50 this 1 HD.(6) @ / HD(\*)/pb

112 HP'(4) @ 14/4,4-1]. "Betti-robonolog"

2) nee goul rosalts of Fact lude ruller, (de line - Filhs

3) Blac's post : 5 machinery lane,