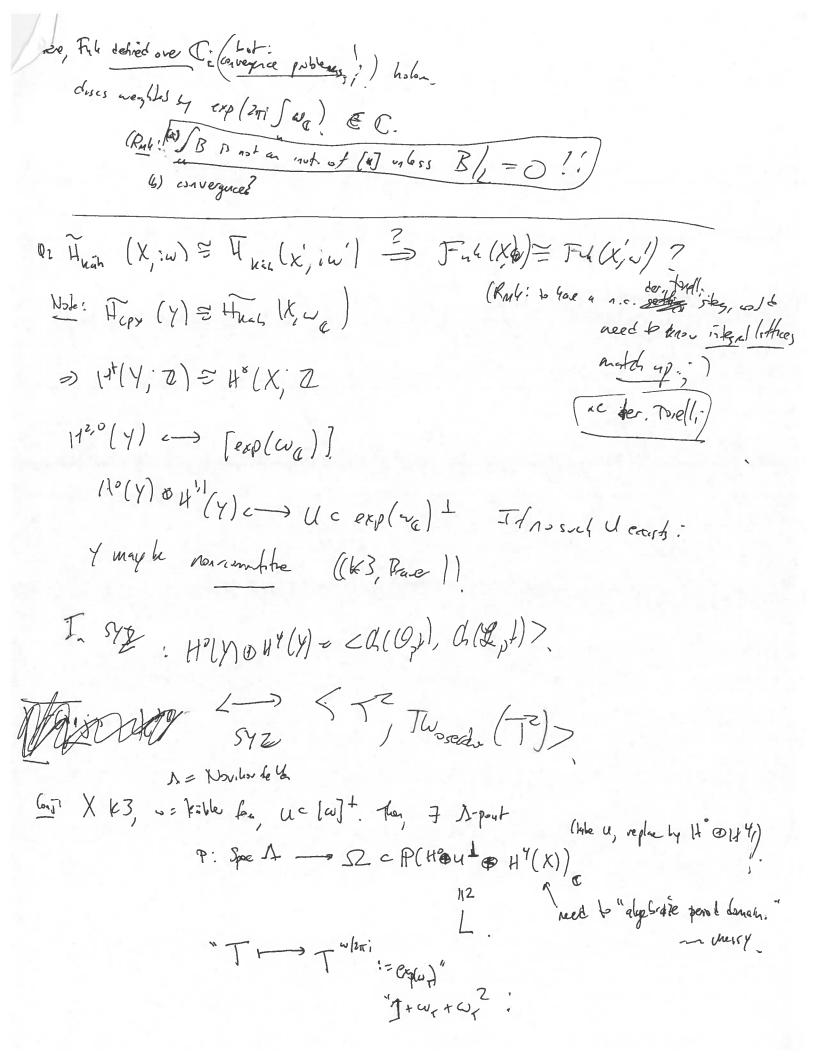
W. Sheridan , 11/2/2016 I. HUS for k3s (man not slider by Huybrecht) X = K3 K3 learning group [(x) = Ho (x; Z), (x, B>) = <-4, B>> = <-4, B>> = <-4, B>> wt-2 Hodge str. It's = H'OH OHK. If \$:4°(X,Z) ~ LOU watery Hopx (X) del'd by oper pend , t Dardli: X Y pro. 1635 Db(X) = Dt(Y) C Hax(X) = Hax(Y) Note: to gir dun X by tooli (-) find H2(X) C Hepel(X) C=) LI HOOHY = Hipt(X) = Hepx(X) <=> Uc (perod pad) -

let  $\omega_{C} = \Gamma \omega \tau \beta k$  operfied while  $k : \omega$  with  $3 \in H^1 (\xi k; |R|)$ Detre  $\phi_{C} (\exp(\omega_{C})) \in \Omega$   $2 + \omega_{C} + \frac{1}{2}\omega_{C}^{2}$ .

 $(ind. of J, rst (w_0) - deflect).),$   $(ind. of J, rst (w_0) - deflect).),$   $(ind. of J, rst (w_0) - deflect).),$   $(ind. of J, rst (w_0), y_{psj}, then <math>D'(y) = D'' \mathcal{F}_{4}(x, w_0)$ 



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=> proj. 123 surface over A = and

    \int_{-\infty}^{\infty} F_{1}h(X, \omega) \approx \int_{-\infty}^{\infty} (oL(Y)) \quad (c) \quad A-linear categories.

      Conj: It has SYZ filster, & fuit collecte it [[i],
then in some degeneral that of J near[2], get conveyance.
                                                                                                        I - pare, feut of
    Angue Lo Q for before: [Smith-Supridan]
                (A ush (X, w) = Fuch(x', w) = FL(X')?
      Ans: Yes, but for a stupped merson:
                                  H*(X) = H*(X') integral rolandory
                   1+100+107 ) 1+00/+ (60/12 . YT.
                 Now recall \omega_{-} = (\log T) \frac{\omega}{2\pi i}; by (x) \int_{0}^{\infty} 1 \log T \left( \log T \right) \frac{1}{2\pi i} \left( \log T \right) \frac{1}{2\pi i} \left( \log T \right) \frac{1}{2\pi i} \frac{1}{2\pi i} \left( \log T \right) \frac{1}{2\pi i} \frac{1}{2\pi
                                                                                                                                                                                                                                                                               HOOH' IN HOOK'
                         (0,T)?
                               \Rightarrow (X, \omega_0) \cong (X, \omega') using Forelly.
                                                                                                                                                                                                                                                                                           (span of perod pont
           (pout: canot have a line in flat coodines which count gos to moundly
                                                                                                                                                                                                                                                                                                         identify then
         Empare: Kapushur-Orlav argue (in case of abelian varieties) (200 Ch(X))
                                                                                                                                                                                                                                                                                                     ar correctedil
                                                                                                                                                                                                                                                                                              Manspet & detally
                                                                                                                                                                                                                                                                          I d. lands in Off PIP, orthogosof to
                                                                                                                                                                                                                                                                                       his "extra" ((Ess
       comes parting to "objects" of File (XXW) with honology class in Ho (XX) on hat of
           pure degree let orthogonal to explice " a libbe perod point.
                         ~ "ansotapic branes"? e.g. honology class in Ho (XV)?
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This doesn't happen is the corrected tohora category: If d 1 (1+4++ + 2 02) HT, then & I H, & I H (by Independence of tens 951: =) LEH2, RE[W]+ (might be an issue not one Aq; ble De: HHan (F) -> OH- is graded (2-gold the inconveyed setting.) II: HMS for gradi (Sebel):  $G := \ker \left( \frac{|Z/4|^4}{|Z/4|} \xrightarrow{\sum} Z/4 \right)$   $\lim_{M \to \infty} \operatorname{Suinty}.$ I rock of shirty.

The finisher of the first of Az sugularhos. (any two coordingtes unish.)

The shirty.

The finisher of the coordingtes unish. Y:= resolute of J. Smooth K3 Thm (Sordel): ]  $\lambda \in T + O(T) \in C[[T] \subset \Lambda]$ .

5.\*\* D'Fuh (X) wps) = D'Coh.(y). (2) is unique in C(IT), but can drage by actua of Maybe 74 is unique, ble is the hardeli paranter or 8-nodel moduli april (Fal A /COTI) (