from C to F, Hodge Ankelin, - - - g-narameter "May"

"Servi La"

RX

RX Dat 2.5 (1) 6: mol. 5P To 26(H)= 11/9 /

le dx-si', Rx FCX Th ZG(H)= 11/2
for you HCG Hausdufftop. Sp. G. (2), f:G, -1 G2 (ont. how of pust. 995 today 9:30-11:00 Girol shi mon Gz 14;00-18;00 (In (H-Cn))=414 In topa H CG, [+ Math. Faculty I de termir Building 3 ROOM 127 11:50-15:50 S(H)=H

[[Abstand, Ran O. I. I.] H C G : rel. slin = ) H, G: slin

[2] H C G: common tor., H: sli = ) H C G: rel. slin

[2] H C G: (common tor., H: sli = ) H C G: rel. slin

[2] [Abstandor Th I. I. ], Car I. 3, 3, (en I. 3, 1, len I. 3, 7))

Prop 2.7 ([Abstandor Th I. I. I., Car I. 3, 3, len I. 3, 1, len I. 3, 7))

F: NF, n: non-Arch. place of F, Fr, Fr, F

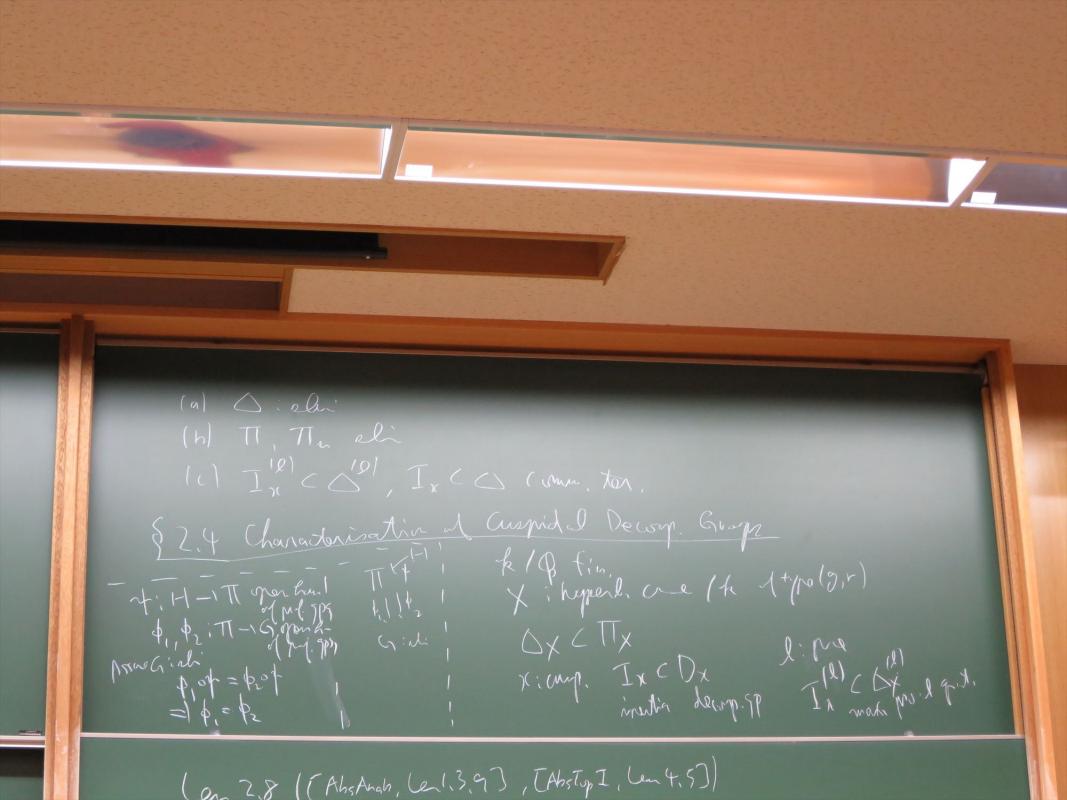
(1), G:= (.) (F/F) > Gn:= Gel (Fe/Fn)

(b), Gr (G) rel shi (2), X: hyperb. a.e /F, T:=  $\pi_{i}(X,\overline{s})$ ,  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$ (2), X: hyperb. a.e /F,  $T:=\pi_{i}(X,\overline{s})$ ,  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$ (2), X: hyperb. a.e /F,  $T_{i}:=\pi_{i}(X,\overline{s})$ ,  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$ (2), X: hyperb. a.e /F,  $T_{i}:=\pi_{i}(X,\overline{s})$ ,  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$ )
(2),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$ (2),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (2),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$ )
(3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (2),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (2),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (4),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (2),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (4),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (2),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (3),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (4),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (5),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}},\overline{s})$  (7),  $T_{i}:=\pi_{i}(X_{\overline{F}_{i}}$  : slin : sli = 1 H < G : rel. slin ,1,6m13,7) Type ! Fr, Fn, F Fr/Fr)

\$ 2.4 Assur Girli

M. Reg "人" The ZG(H)= 11/2 AND HCG Hausduff top. 97 G>H load mel (2), f:G, -1 Gz today (mt. how of prof. 995 9:30-11:00 14:00-18:00 Girol shi mon G (In (H-Cn)= 41)

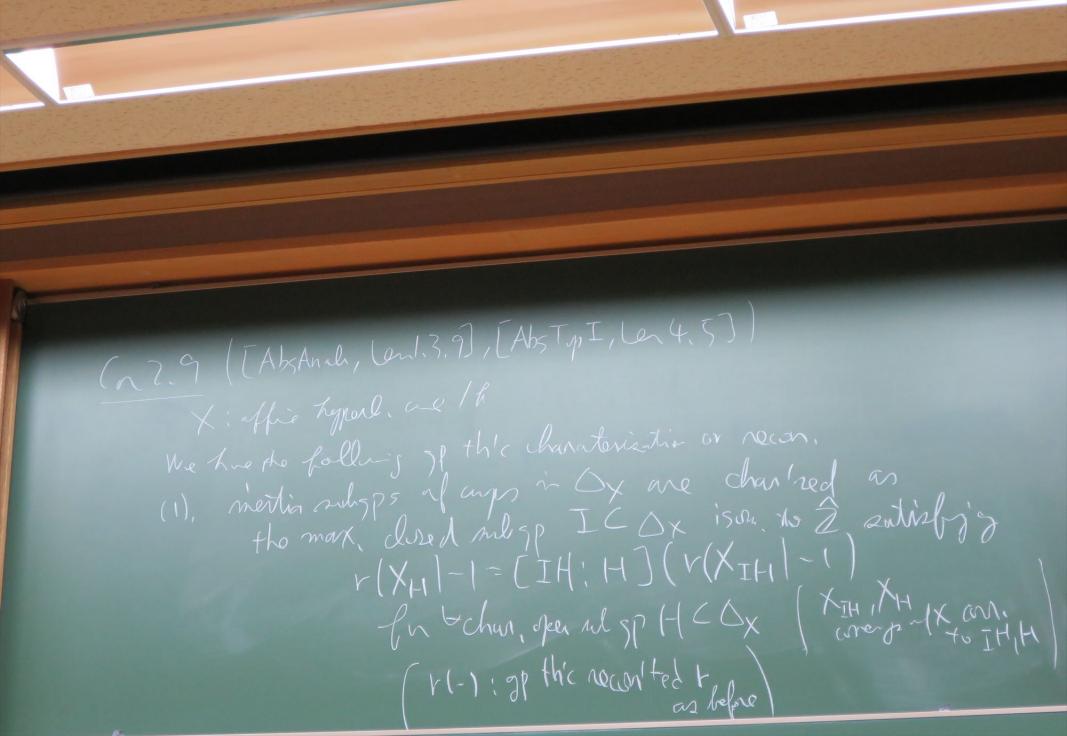
In Jopen H CG, H: normally MKIM Facilty Building 3 Room 127 11:50 - 12:20 



(1): X: not pega (i.e. v 70) ( ) Dx: free prof. SP (2). We can reconstruct (2, v) from Tx as follows into the land (2, of Q2) - dia (2x 02) (2x 02) - dia (2x 02) (2x

(-) wt= w we ? is the sulpace on which the Ful as r 

 $= dig_{0} \left( \frac{d}{d} \frac{\partial g_{0}}{\partial x} \right)^{\frac{1}{2}} dig_{0} \left( \frac{d}{d} \frac{\partial g_{$ Room 127 20- 12:20



(1): Con 7.8/21 thypal, with To gith's We can sp this chanse that. fin, Et, con's Zal Y-1X > Zith non, at a cum. The other curry by the follow, outerin

(n 7.9 (TAbsAnch, Land, 3.9), [AbsTnI, Len 4.57)

r(2)-1=[0y:02](r(Y)-1) (2),(3) itri~ (1) IH/H = (I) 7101, day. 211701

Dx? H MH & ) The Xought of to the chan the only of my one of the chan the one of the one

\$3.1 Some Definitions ([pGC, Del 15.4 (i)], [AbsTyTI Del 15], h: lied [[anlac, Del 2.3 (ii)] (1), hizulipadic ( ) = L/Q fingen, kel (2), b: Kumman-fatthful (II) this han=0, this fin, extin
For Westernaled ray A 1h' Kumer may Albi'l -11-1(h, T/A))

is nortection

(E) (NAIh!) = 434 eyel. full til l'adric yel. chur Gran Zo has gran imagg in The Thy Ha In l-gel fall fold In some l MHales ) The my Xough of time order Thomas The state of the order o

(1), -(14, 30m, extin of of, (2), fin, extin of Q (3), the subfiffed of an alg. I some Q of Q which is the comparate of a come fixed u. (3), the subfiff of on alg. dosno Q of O which is the comparate of all NFS of dogs horror Q for zone fixed in

(1) k: sub-p-adic = h: Kummer-faithful

(2) k: Kummer-faithful = le: l-ayul. full for &

(3), h: Kuma-faithful = lingul. exting & is also Kummer

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mond out

Del 3,3 [[(anlight, Sec 2)] the fild, Xi geom, nowl, germ, com, of stack offinitypolk o Kummon -frahf-I (1) cat. Lockx) Oby finath gen, rober-lihood, itselfe Margh fin of unph of itach /h [2], X admits liver ( ) = torm, obj. In tory )

Del 3,3 [[(anlift, Sec 2]) to i fild, X: geom, nowl, germ, com, of stack offin. typ/h In the

(1) X: of strictly Boles type

(a) X: dof'd /a NF

(b) = X' hyperl orbices / h'5" h

= X' hyperl one of general / h'5" h

(2), X: ellejstrælly ordmissible (I) | X admis h-coro X -> C C: somi-elliptic orbicume not zan open 29-2+123,921

Curp, Ran 2,18,2],

(Mort per Rone, Ran 2,18,2),

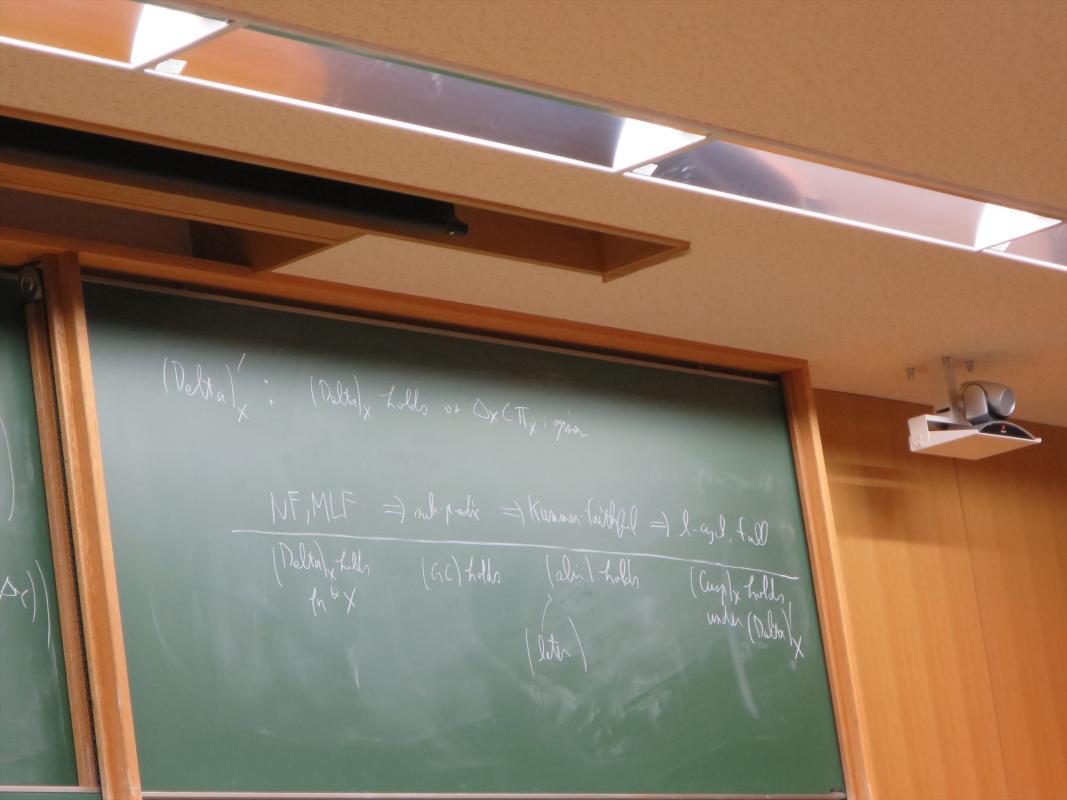
(Mort open Ran 2,18,2),

(Mort open Ran 2,18,3) Ram (of strittly Rolly; type) ( Mg,v

of cloud in X algebraic ( ) = K/th, I hyport we Y/om NF F S.t. XXXX = YXX eathins § 3,2 Belyr and Elliptic Cuspidalizations 4

— Hidden Endomorphism hi hid chan=0, k Gh:= GOLTEIA), X'hyporl, whicure Ih  $\Delta_{X}, \Pi_{X}$ 

(Delta) y: We has "gp this charination" of DXCTTX ([Ibid IV Ex 3,5]) (GC): Isom-norsion of rol Grothendisch and Californer (to holds out (AXA)) (shi): Ghin shi (Cusply'. We have a "Sp-th' charactrin" (Cusply'. We have a "Sp-th' charactrin"



Isac, (DxD)

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(3), Assure X' is a school.

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in gan, by curpidal slope go thically char'red by Ronzen.

T' arrives as an open Minmer. X'CIXI'

Land, bo TT': Mul. gP := T(x) where X': hypord. abicumo X' (h); G:=  $G_{X'}$  X' (h); G:= G:=

=) TI"-PG" is mighly dot'd -PG GG Till arises on a time et quoit X' + X' un X' (3), Assure X' is a achor. The formal man of the formal hylorians of thick charled by Conza (1) | God := 0 3 T g - 1 C T | (T ) Gd (X ) Gd gent in the ow of shorter gent in the we of stocks ~ TX11 3 TT11 , (X') 6.0 - 1 X'1 X1. x (X1, kg // [11, 1/4.0]

in gen, by cumpid [AhstypI, 84] Mul. 9P := (1), T/C, T/ you aminon a (X") = IT" arisen an a fin.

NSI OCIN; = (E/ECN)/ 1/41/ C EK; = Ex/K

(E/OH/N/#1)

OCIN; = (E/ECN)/ 1/41/ C EK; = Ex/K

EK; = Ex/K

EK; = Ex/K

EK; = Ex/K

EK; = Ex/K ps

837 1 FM 1. Charitalization

DXCTIX To the aurjective TTX of purb gps

TX: TTX of purb gps 2 the ret of the decay, 7ps in X/UXN Stop ( Polita) x : ETX + GA GCGR suff small on N ( Small dayend on N )

TT:=TTX G  $\Delta i = \Delta x \Lambda TT$ 

Obj. mod T' s.t. To get open of the pps

LT' +1 G', T' +1 G''

T ST' CIT! Open Open 

TI, - TI, GCGA

Y' - ITX

Down, They Down, ab. Theoloth

of can localth

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EK tourt of Fit of adenti-1.2 (1) (1) (1) (1)

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To this recon, Theit TEKIELD THE EXTON There I denote There In G=Gp If necessary, by chapty Theory me may take Thello 5, t, 3 unique light of Thosa, 1 (Thell - Out (Thell) to Out (Tell, w)

Apply X (Tron, / Tell) ~ 1-1 C -AUX(G)-OUX(GH Tell, N (Theo, ITell) -> The X (Thro, ITell) outer comination much similar to the start with mode similar to the start with the start w on Top Thomas + Thomas by (GC) Stopb Start We got thicky rown, the deep gos by (ac) gothic

of the pts of XVXIII in TX

as the may of the comp gos

in TXA

\$3,22 Boley Cupidation  $X = \prod_{(v,v)} X = \prod_{(v,v)} X$ fin. in y fin. et X to ph one ( At 7 in. h. NZ)

Y to X : Challes Ux CX delid for Ux = (x) x

your delid for the Ux = (x) x 77 th'c

Vy July + Upi=P' (3pts)

Kin. a. ///

Fin. axtin suff. large. ~ Y \ U'y del'd | K ocmp ps // 8377 Boly Capidation 1: = Aud(G)/Inn(G)

P((Npts))

of the read the down The intly

at the ptn in XIVX

And delid NE most omit

From mot gp TT x roun the ret of decop. gps

The at all decop yes in X (1) Th 3.8 & the following approximation law 3,10 (Abs Seit, las 3,1)

§33 Vehida's lamma D dins on X P[X,010]] = \fe k(x) \din (f)+1) \geq 04' \quad (2) X,3,152,10 on x: (1). For i=1,2, \eft. \eft.

 $d(f_{\lambda,r})+1) \geq 0$ ,  $f_{\lambda,i}(r) = \lambda$ ,  $f_{\lambda,i}(y_i) \neq 0$ , = 1 fx, + fm, & fh(x)x in chantred as a unique eltgelox)

6, t, dim(z) + D ≥ 0, 9(3,1=fx,13), 9(3)=fm,132

In purtisher, >+ pre for in charland as g(x) e for en 3,11 ([Abstyn II Propliz])

= following (wint the follows triples) algum for constructing the additure retrieve in follows (a) the labstrait of h(x)x

(b) the set of my, hom Ux:= fordx: h(x)x + 2 4 x c x h) and

(c) the set of the subspect of the fix = 14 c k(x)x 1 f(x)=14 c k(x Step 1 recon. Rxch(x)x For each v=vdzeVx Rt Cherly Um cherly 4/ knll =414 Stap2 Pro: kerlal - 1 kt mijeding fixl & k necon eval may kerlal & fixl & k as fixl: = Pro Ifl

By mij ord, Elx, roundint) for feti(X)x rein, (mult.) fx module P(X, 8(0)) hot for a did D

rein, (li) 20 for a dira D

rein, (li) 20 for a dirac

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§33 Volvida & lamma

Stops Fund, MERt up & - 1, and ond gradge Vx con to riging. f, ge fe(x)x vhoy recon, f + g as the runique elt he felt) for s, t, h(x) = f(x) + g(z) {n Vod, eVx } {f, h(x) = f(x) + g(z) {n Vod, eVx } {f - h(x) = 0 = 1 f(n) = 0} Starb

53,4 Mmo-Anabelian Reconstructions of Barotield on A alt he kelt you

indix

// ( ugdotime of TTX as the (3), you at 670 CX Let DU + Bury-cont (+Bx)

Let DU +) Sum-cont (+) DX) be the man, intermediate quat, Q+Q+DX 5, t, her (Ou+) a) is in the center of Ou -14-1TU-1G4-1 maxinal curpidally

[-16, 17, 16, -1]

maxinal curpidally

entral quitint of di D on the odd, who, )

(1x | didf | +1) < sy

Yet Du. The marky