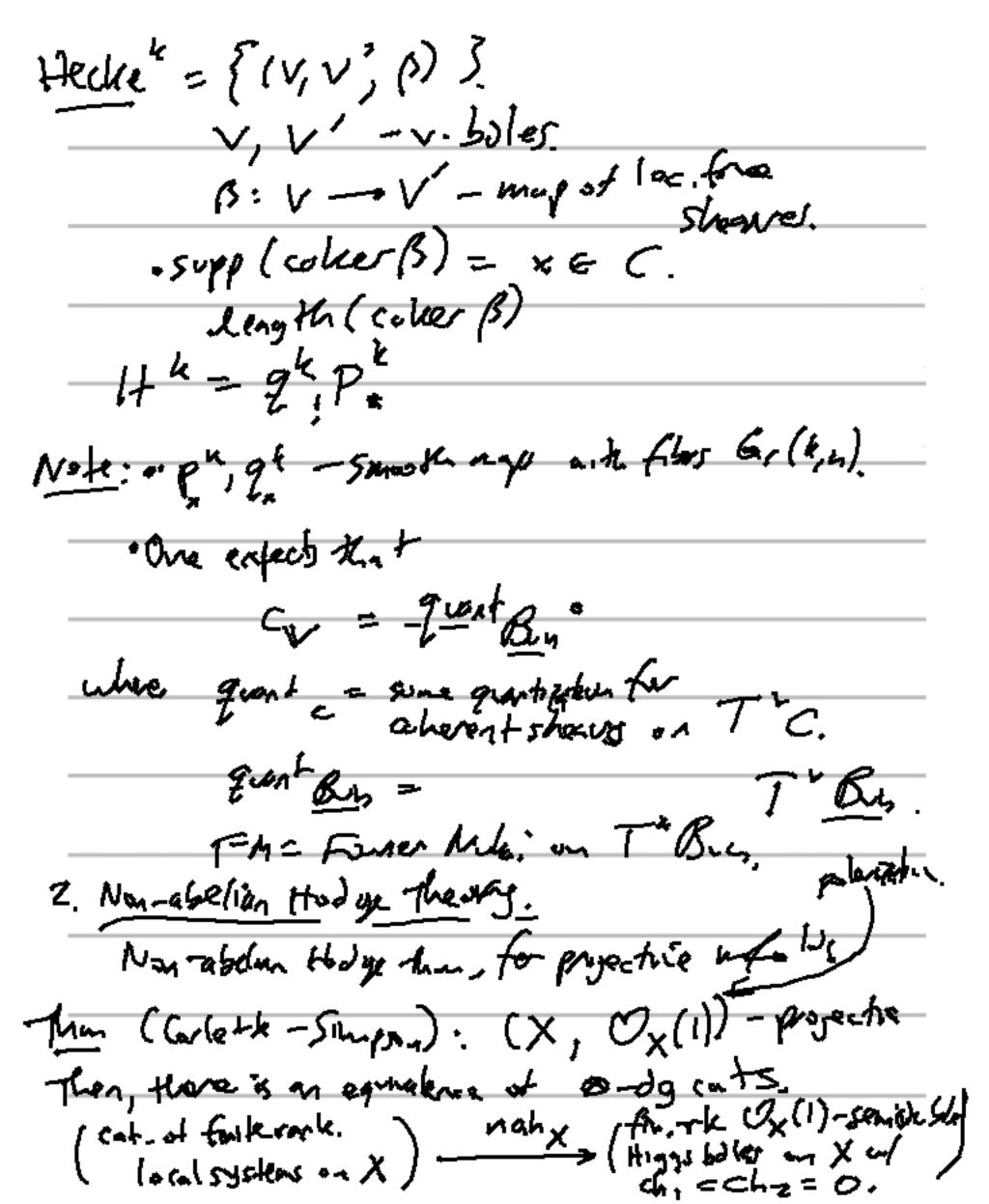
Micmi 109: Panter
joint -/ Dongs and Simpson
- relationship bothaen non-abel houge though (man)
Lati ( C > )
1. GLC for Gl. stocky (D-Mstack).
C-smooth, proper (DM) cove
Bun = moduli stack of ik. n v.b. on C.
Bun = Bon / C = rigidities midulistack of  (kills generic automorphism) boller
GLC Space W= (V, V) algebraic rk. in local system (in oricible), on C.
Then I involvable D majue CV on Bun,
=+. H*(CN)= CV KS / K=1,, "
(Heche eigensheuf smilton).
It - Itedes operators: Integral transform.
pk Heche k
Bus Bus «



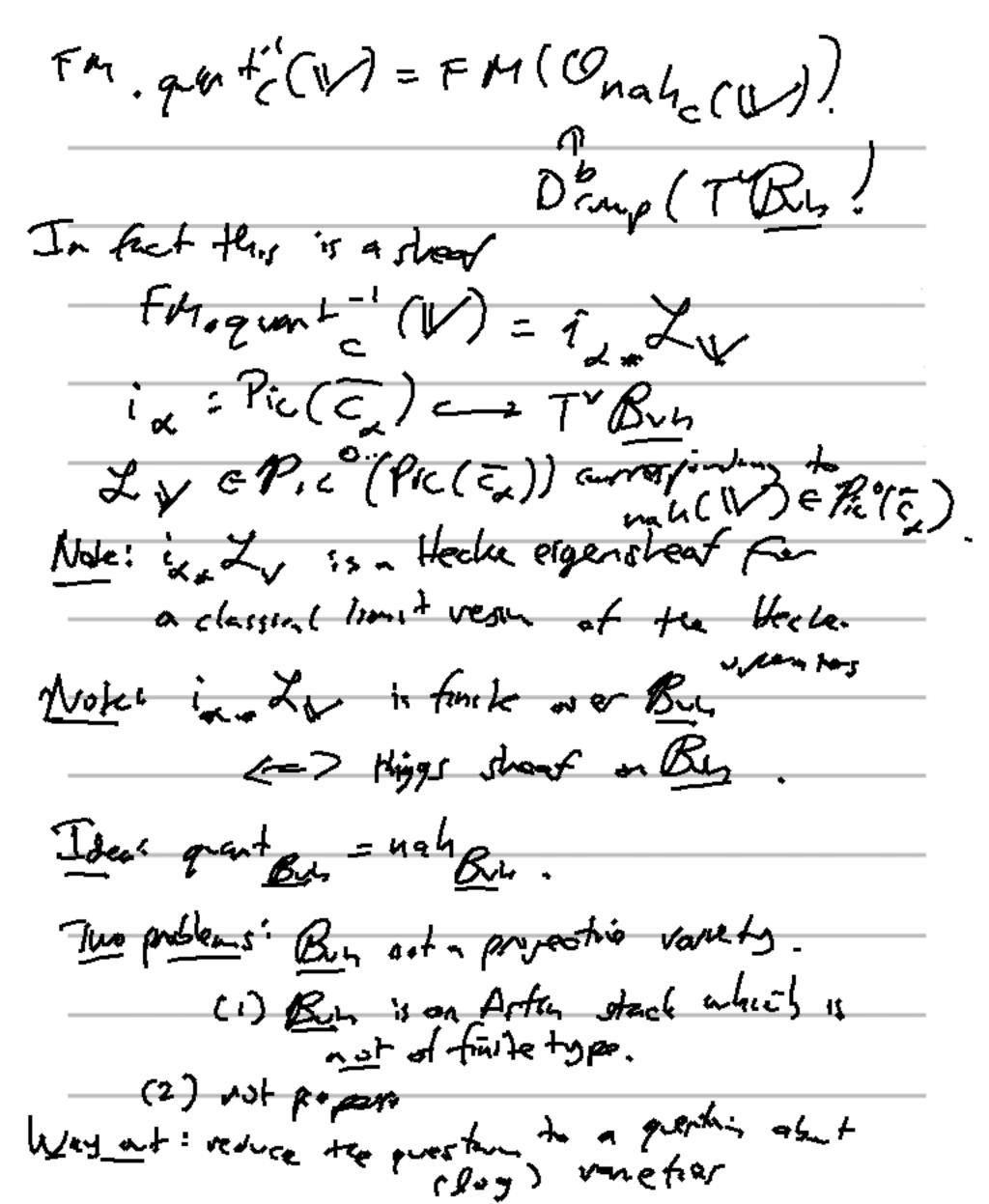
Note: Jem, -shiphy chilter in me sile, but not on attende.
b/c of Kabler ferr, but Hodge docang
Higgs sheaf on X: (F, P)
Fecolo(X) P:F-F-Colo
Y:Tx = = F > (F, w) STxF-=F SERCH(TM)
tack: (Histolin, Fatterys, -) 2/igg = Tour
If V=rk.n local system (rank a - Higgs bile)  -> nah (V) = (rank a - Higgs bile)
Miggs = TBung ( by yee Hatchel
TVBun, TBun bove untital

h: T BL -38 13= HO(K,) 0-1 : T By -38 @ H.(K) .. h(E, O)=(+O, \_\_, fr(On)! If a=(d,,-,dn)&B, -1 d = DCTC. Cx: 7" + 4, 7"-4 Fibers had (d) = Pic(c). h-1(2) = Pic (2) = P: c (c) If ( a is smooth =)

we have a power steef P -> Pic(() x Pic()). FM: Db(Pic) FA Db(Pic) D3(AL) => D5(PL) Mu: If B" &B => have

TO Bun) & room (TV Bun) &

TO Bun) & room (TV Bun) & and Fh = Fh; Db ((TVB))-() (TRA) --



Thun (Machitalei) -(X,D)-porche venety+ divisor (name Letors ...) & X smooth in Codun 4 D rough corrags in rudic 4. fune panbulii

(was systems on ) - > (woully a below )

(was systems on ) - > (woully a below )

(x,D)

(x,D)

(x,D)

(x,D) locally aselian - monny parchz = 0 at sings where park bliggs bole = # parabolice line boles The (Machize.): If V - queri-projectie. Yr 7. 8 and  $D = X \setminus \overline{U} (X, D)$  - as before Then there is an equimbrie sourishple D-and util on your shoots on to I have shoots on to I have shoots on to I

ment of apply this to	Bui, 53
Bis	Buy 55 rossline
Bu	25 to do at
	very shalle boller.