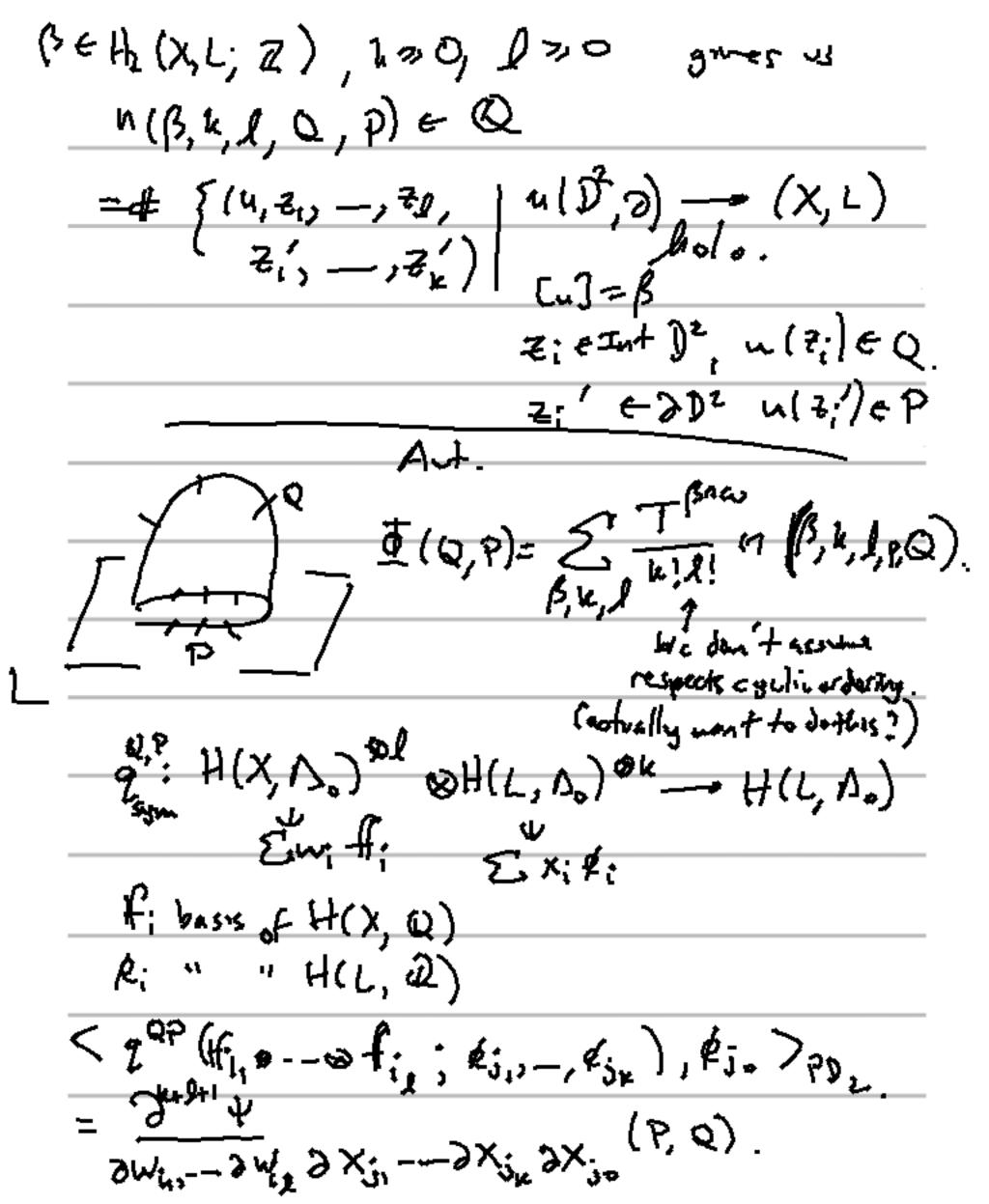
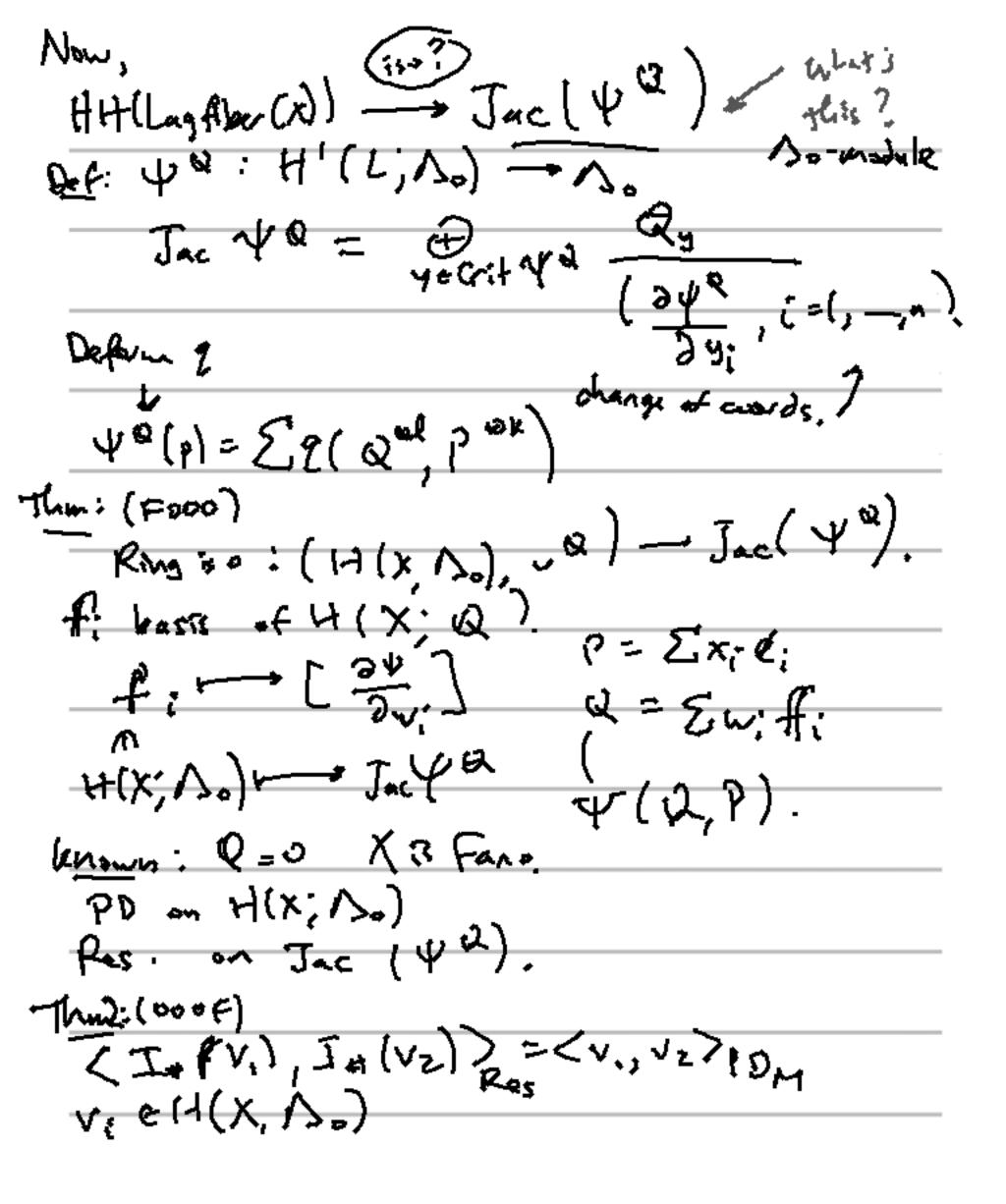
Miami 109- Fuhaya:
Oh-Ohh-Ous
open-closed Gow theory
docal Gw theon fixt
13= εΣ a; Ti (a; e-Q, /7; 70, 100]
4 : H(x',V°) → √2°.
Q = 1+(x(·Q) x + 1+2(x; Z) 1>10
$Q \in \mathcal{H}(\chi, Q) \propto \mathcal{E} \mathcal{H}_{2}(X; Z)$ 170 $\sigma(x, l, Q) \in Q$
= # \(\(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\)
2. €Q
Q Q Q L
- ( ) - ( ) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Q (Q)= 5 - n(d ())
$\Psi(Q) = \sum_{\alpha, \beta} \frac{T^{\alpha, \alpha}}{\beta!} n(\alpha, \beta, Q)$
Q = 2 Wift, K, win & H(X; Q)
$\sim 2000$
$\frac{\sqrt{k!}}{\sqrt{k!}} = \frac{\sqrt{k!}}{\sqrt{k!}} = \frac{\sqrt{k!}}{\sqrt$
OC. LCX Lagin submfold
車:H(X, Y, D, )*H(L, M) -> 1/2
T THE P

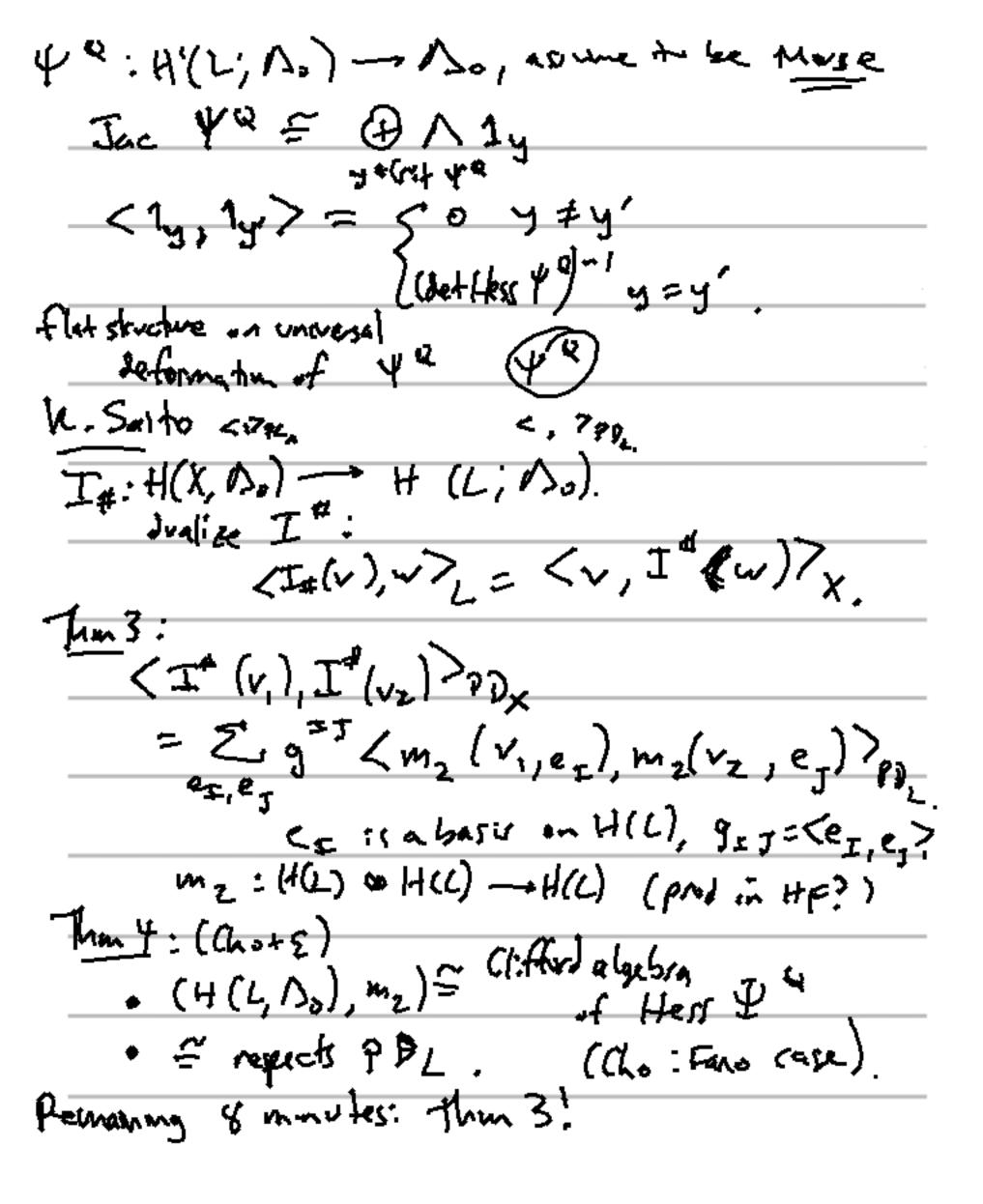


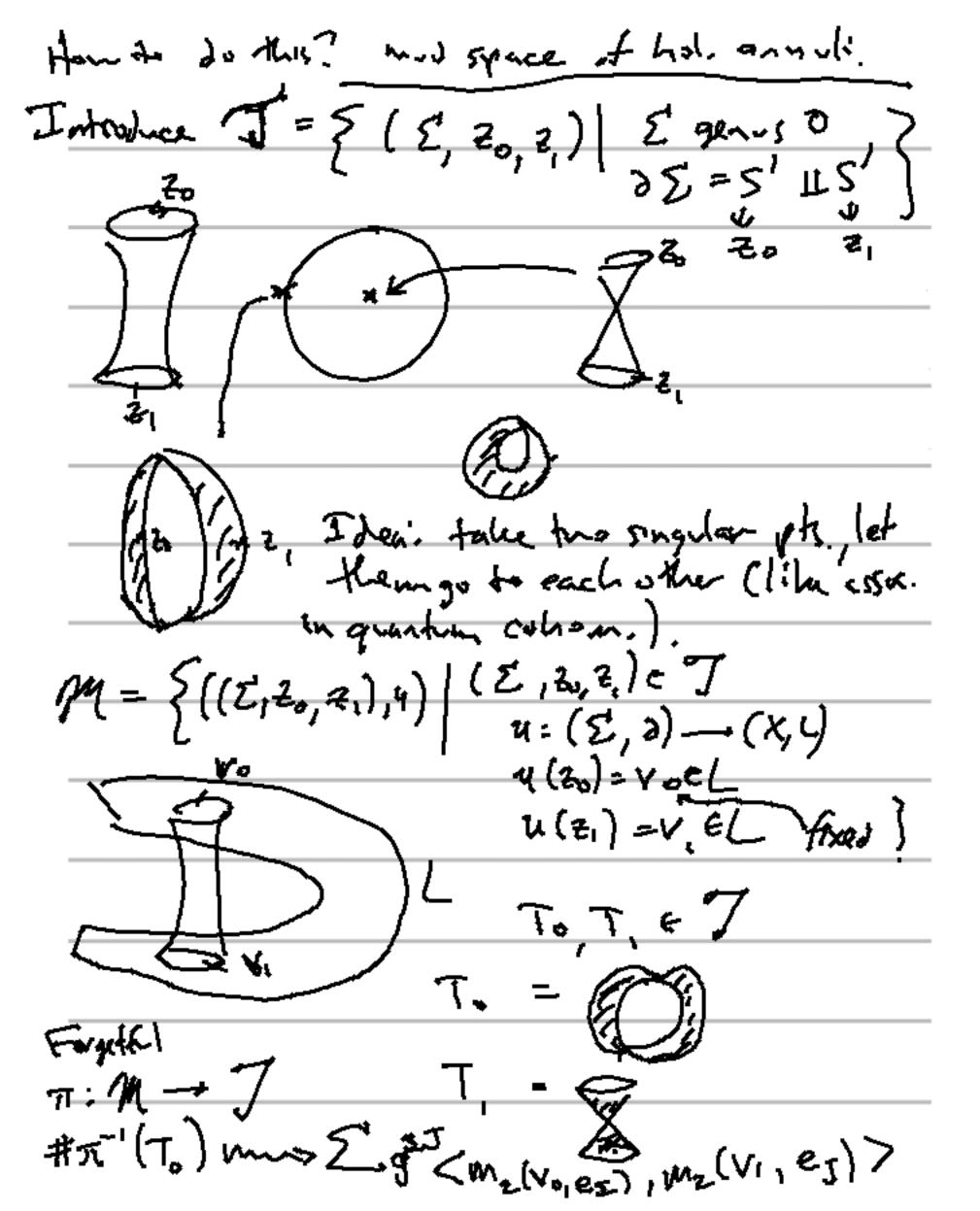
symmetrication of P of the approxim 2: 4(x; 1) 0 0 0 (1(4/1)) 0 0 (L, 1) symm not symm.  $e^{pQ}(1,k_{i_1} - - ee_{i_{i_1}}) = m_{k}^{pQ}(k_{i_1} - d_{i_{i_1}})$ @ Not well-dopne) in general. Assist. Case: X toris suffer, L= orbit at Th action. XPT" QTh-equir-cycle. P = b+x=[1]\*, b = H'(L) & A.
[2]\* = H^(L). In this case,  $n(l^2,k,l,p,z) \in Q$  is nell-defined.

(Katz-Liu using Si-adme.) Suppose Q, Q2 Theegow. cycle,
Q, ~QZ & H(x) but not In-equivalently. Then,  $\Psi(Q_1, P) \neq \Psi(Q_2, P)$ . However,  $P \mapsto \Psi(Q_1, P) = \Psi(Q_1, P)$ .  $\Psi(Q_2, P) = \Psi(Q_2, P)$ .

Colored and durant of multiple on 1/(1:1)
coincide up to change of variables on H'(L; Ms)  P = b + Xo [L]*.
IV(2,7)=W(Q,b)xo.
W(Q,b): H(X; Xb) & H(L; Nb) /3.
W(Q,b): H(X;Xo) & H'(L; Ao) ~ A.  La superpotential with bulk. Huch still obain april  o,p  o,p  o,p  o,p  o,p  o,p  o,p  o,
2 QH(X; A) = CH(H(L; A))
D Hom (H(L, A), HIL, A
From Hus, reduce to a sump  Top : H(X; \sigma) = HH(HF(L, \sigma))  ring ham.  The cie + And alg.  The reports both. Loss hame.
I#: H(x; )> HH(HF(L, /))
ring han from str. & line alg.
HH Lie + food alg.  The repeats both, Los home. H(X, A) there all Los
I respect toth, Los Monso. H (X, 120) then at Log
HI Lie + foo alg.  I ap repeat toth, Los home.  H (X, Ms) then al Los  A mastey  We connect at 1 The whits
+ Ca - Massey
-filers
Log filer(X): 065 is Therbits.
HAVE AMAP H(X; No) @ HH(HF(L)) rang how
Howe among H(X; 120) & HH(HF(L)) rong hour (27)







md #	$(\pi')(\Gamma_i) = \langle I^*(v_0), I^*(v_i) \rangle_{X_i}$
	so these two tens, this ), and
	5 55 < m, (vo, es), m, (v, ej)>
	(maing their nature!)
	(MAINING Horic nature!)