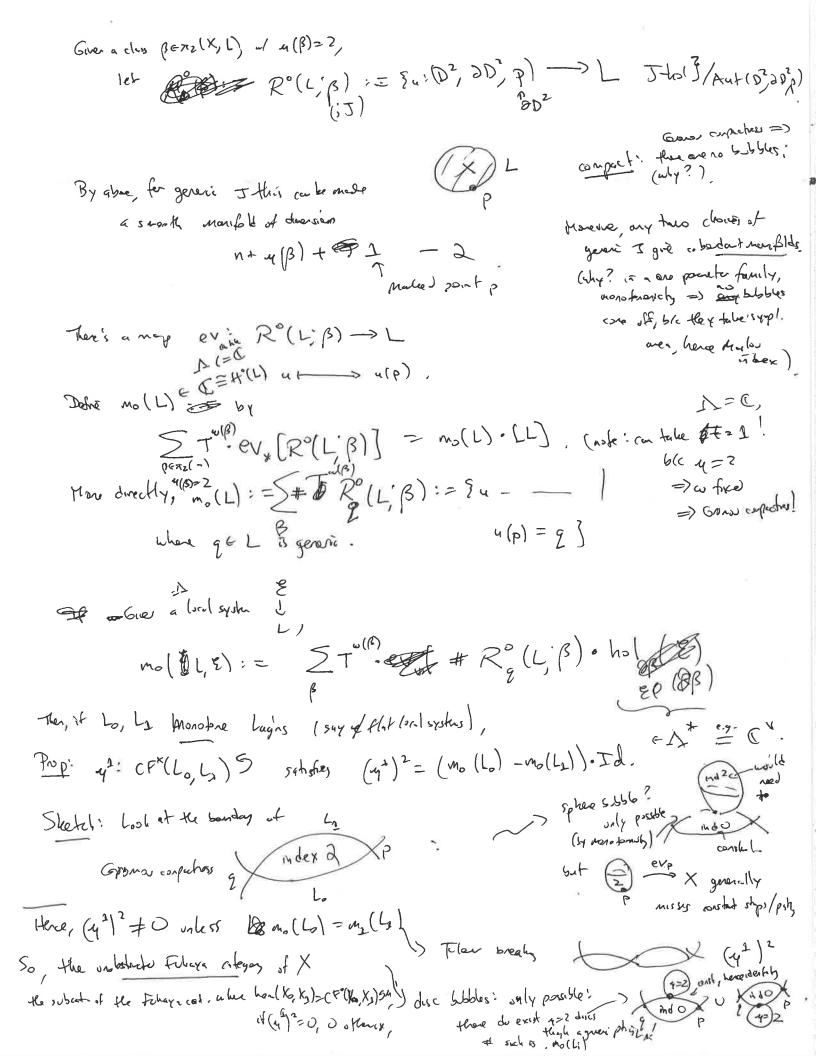
```
Mar. Leve Marsh & her Loghy
                                           week 6, Wednesday
    × menster if
               [w]= z c2(X), z 70
    · LCX manska f
                 I[u] = 7[u], 770, dee
                         [w]: Tr(ML) -> PR Sympl. arg
                          (4): 12(X,1) -> R
        \frac{Nb^{k}}{\pi_{0}(x,0)} \left( \frac{\omega + \sqrt{2}}{\pi_{2}(x,0)} \right) = \left( \frac{\omega}{2} \right) \left( \frac{\omega}{2} \right) \left( \frac{\omega}{2} \right) \left( \frac{\omega}{2} \right)
                [4] [4#v] = [4] (4) + 202(X) (v).
                 =) X is nonstero u/ T=27.
L monoter. The minuted Marsler name of L, NL:= {min 4(d) | x & Tr2 (M, L),
                                                                          4(x) 70}
    Assumption: M=2.
                                                         (or one all a supporting a bol disk).
     ( ulcays if Lonestable).
Consequerces. If us 2 > M Jhol-spher, then Sizu 70 => (C1(X)[u] 70.
        Any Jhol. spher is a branched over sof a suple That sphere (McDoff)
             -> Chen I spher as simple, here transverily out out (systendard trusmers lity)
    =) "chen I spheres the code stopping of X.
   Nanely: M2 (A) := { 4:5,x3 × ( 94) = A1)/reparent 400 & reparent thes.
     Jan calAl=2,
                    dinersia Rn + 2cx (A) + 2 - 6 =
                                                marked pt. position
          Have ev : M2(A) -> X
                        " the space of all points of "I had sphees" is coder. 2.
```

2) Con court (at least Maslar 2) dishs:

(Lattains, kown-on): Maslar 2 hole disa are simple; here can be managed to the former of ext.



 $\bigoplus_{\lambda \in \Lambda} \mathcal{F}_{\lambda}(\chi)$   $\mathcal{F}_{\lambda} := \{ L \mid m_{0}(L) = \lambda \}$ Prop: (mjustified to day): If X monstere, [laga Since A man-Bott approach to EFO(L, L): it's a little inconvent that as we deshed it, mo(L) & CF'(L, L), but rather up (L) & H\*(L) as a wer-space of the result of the second of the se the Axx also structee on CFO(L,L) using & Cong(L) or CMO(L,f) as the starting point (ducque of sit modele. It is noteled on Edf Bur new Ling "tale (Init as E +0). oreall topectory) area (64) topectory Ex: monobere st c CP' 29=0 To 429 rg (s) P Lo ? DP= TA1, -TAZ, if the holonomy arend st = Z & Ct. have  $\partial p = \left(2 + \frac{1}{2}\right) q$ . Max-Both Plear bouly (FOOD): · ( F \* ( L, L) = = Cx(L; L) "soyula chase" or L (in subtle Mr operator, instrument of romains each makes of boths shy-lim as This is only sen I when z=±1. pt about nace) pt p 7; frequire u(3;) & chair.

Exi. chaw in L 42 (cz, Cz) Senskill & ([ RB R2 (X, L; J, B] ney Gn where ev: R2(X,L;J,B) -> L contact dues contable by interectal product , except u/ the y1: dent cost constant of (Moe gereally; it to, has here "clear in harche" uat  $CF^{*}(l_0, l_{\alpha}) := (s(l_0, l_{\alpha}));$  but uncleer ) Corea-halon te dish handay "clusters" "peula co-plex". Fixer of f: L > P hore for, dolor CF\*(L, L) = AOCM\*(f) up can't oplishes of 9 July. dones + qualet florings offin containing in 43 (x1, x2, x5)

Geren (structures) Sayour Lin F(X) is nearly undertected of , if using one of their too models, 4° = sutiple startent unit. => (y) = 0 8 (4) 2 =0 of Sie 3/2 2/2 F(X) = (X) a genne Am al.

The Theoly mobsheld sheets of "charge ?"

The Theoly mobsheld sheets of "charge ?" Example: TAS PA clifford tous. Jehre Tuta = (St (Imm)) " > S(1) C C NET and defe  $T^n := T^{n+1}/d\log n$   $\leq S^{2n+1}/S^2 \cong \mathbb{CP}^n$ . Pupi [des]: The is mostere with the stendard symplish in P; a/minimal Maslow 2. (follows for analysis of or & or on The (X, T")  $V^{SS}$   $G_{ES}$   $O \rightarrow \pi_{2}(P^{1}) \rightarrow \pi_{2}(P^{1}) \rightarrow \pi_{3}(T^{1}) \rightarrow O$ Ex: 72. In OP? Showhally 12 to standard tois.

we have  $T^2 \subseteq \mathbb{C}^2$  is one of the standard tois.

If  $Z = \mathbb{C}^2 \setminus H > 1$ ,

If  $Z = \mathbb{C}^2 \setminus H > 1$ , une the shaperd Spester. In to get a lain some, I exactly & Mr. I local systems for which the The cisis to standard integrable 5, the hot deres (ball have sistered you value). Thm: [do]: Loc ws [x: y:z]

