Week 8, Morday 1 A M XC=M Last times e Ax cat. No the two e perf(e) pre-traveled & split-down pre-A hill A = e split-generic e iff perf of == spert (e) An impreción analyt: categories (m) shorely XER splitzber spaces V = Rn For example: Given DE e, con form A> quotient category e/A. Confld=dg case 8 have the (A) = the / the of moreone of ~ (0) if & split generales e. The quotest satisfies a universal property:

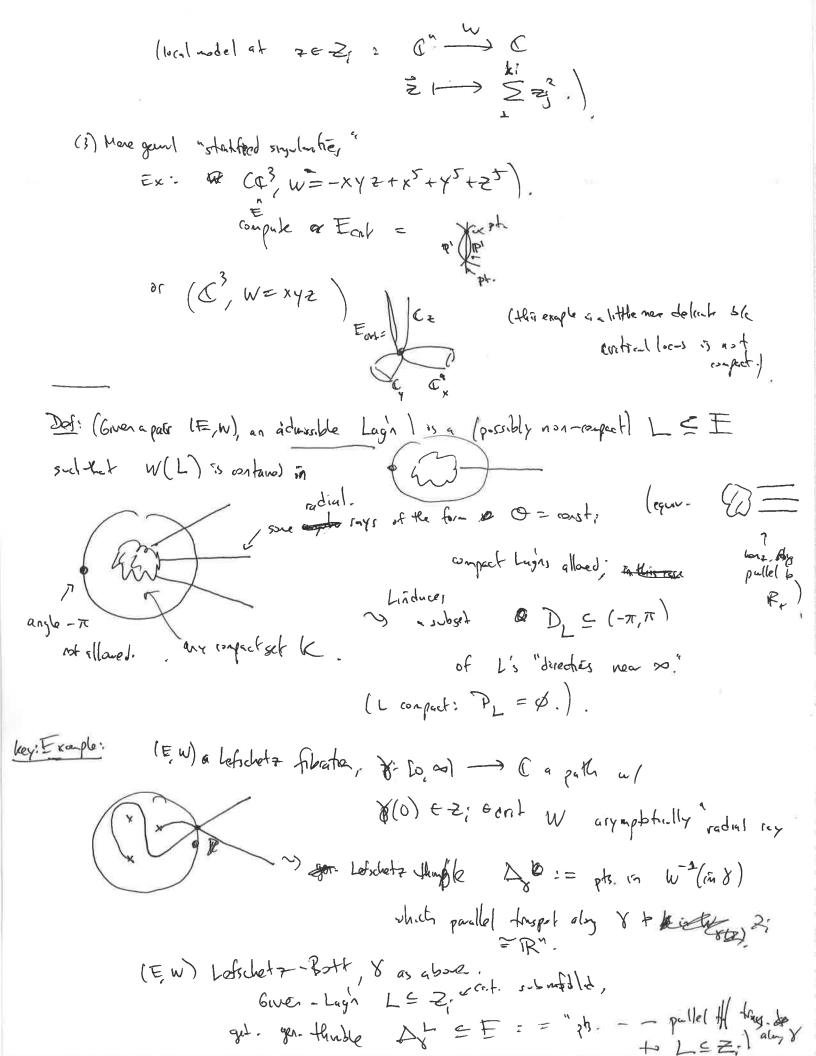
I a function to 5 the check is " Midral among factor of the che of if e serday A > [o], means & D w/ e - D Supply finals horoson 7 equis notific(e/a, D) = noting (e, D), us of solder. Explus cartistas lule. White the party openha are carpeter is localization give WE Hoterstay More WE Hoterstay More Me (18) a sobject of con define $e[w^{-2}]$: to be the invest Ax at it chief elts eyely represents w are quasi-isomophing. J: e -> e (w) . s.t. if Again coo, al Contr is supplied in the second of t j (j) . Cor Gos II e pre-tr., can construct (or fluid) = = | guly cat. gen, by cones of del anes(w) & e = {(melf)|few3. & e [w]; = \(\cores (w)-

e[w] + be the map of e > tote > totes (W). Otheripse defré Synthetic Lander - Ginzburg models: (X,w) hol. for. Wix >C. In more symmety & physics, on L6 model is again Homes quar for the Califi- You can product ; for notice whe XII (pct, Faro, H°(1.175(X)) (we've seen ghappers of then for

X = P", W = (C"), W=21+22+-DF File (X) = MF(X,W) D'o(o)(x) = DJF(X,W) Goal: doho a cytiquy F(X, w) assoc. to sech a par. I see how it's a motocotest existing Sympl. selp: (E"W) W: E > C "Symplectic Aboute with suplants," nearly a quay from Kepet SC, W= E/ W^2(K) -> C generie sympl. Fibratia (nearing the state of the form symplectic with the form of the for Motes Typectic Absorbes comy consent connections spliths

(at a point MEMP, TEDE THP & (TXMP) as to content

) a 161. > possible to get symplectic parallel tempet mays (as long as flow doesn't escape to (none convenent; north of E: symptectic market of convex bands DE: nearly near E 7 a printer of when I along DE: 1997.



Examples! Lagins on have multiple ends "; $M = W^{-1}(p)$ ref. fibe new so
· Draw 8: (0, 1) -> I positively overly pull thugh p around Kepel
Given L SMp a Layn in Mp dedie UL = points in W-1 (in 8)
which I tospet to Lalons 8.
(Orlay) Lagrangian"
The Fahaya category of an L6 model
Floe cultonology of advissible lagins: Hthou(k, L)
Fosters: (K, L) not tomore at so
"Is Ht" defue) for non respect Lights?
Lack of Han, Bothy invance new so!
X D2
Solution: there is a distinguished doing of direction at me c, "randerlockwise"
(wid a wird will in C, the flow or new > =55.c. to hof = V.

asty .

8 defré Houllo, L):= #*(qelo, Lo):= H*(K qelo 1 Lx> 542> the Is flow the pull back Remarks: Use J s.t. W: (E, J) -> (C,j) is jobolomophic near so => any disc u/ banday on k,L disport lagins near so, and also (as W(u): 3-> c achieves its maximum at punches

desk al bondy in radial rays

ordo = 0. shortly

Then a symph. Le and let is a my $U: E^{2n} \rightarrow \mathbb{C}$ 5it. caterde $D^2 \subseteq \mathbb{C}$, w promis E^{2n} as a symplectic improstant: $E(M, \partial M, \partial M, \partial M, \partial \partial M, \partial$

(1) W is a lotschots () for ha;

if W: IT > C reports trule for he was variety of colon alk;

Cot W = Ep; }

Ent = [] Syll smooth symplectic solomaths of colon alk;

Cot. lorus above W [p:].

[who c assume cr.t. values are separth

of W lol. Mose ' / it non-deg. Common al y:

(means the (-r. I model at a point zee Ent is is 0 in

C' Whoe C C

(23-72n) Mose Size ...

(2) Latschetz - Bott fibratus.

Cont W = {pi}

Econt = 11 - Zi V Smark sympl. who fold and 2ki

North locus above W - 1 (pi)

W " hal Mark in Moraul directors"

Example in name: lesschote percite.

X (n+2)-din'll su, projvarety. X 1) x aple
in Ldle.

Todam 2k; Tak so, son EH9(X)
lin. mdqz

(in. Indep.

3 7: 50/500 vat I fam.,

6 bus one My:= \$55(x) =
250(x)

B := bax bocus
=5,2(0) 15,2(0)

Letichet & peral:

Bis smark, =

non-dep. onlyk,

So'(6) smooth

p'= X = X (s) >c.

Note on I -> Killer for an X

>) copex potentil & in toplood.

6 ((-00,c)) annex of contact.