Ilms week 8, wednesday:
· (E,w) symplectic L G model.
W: E2n+2 > C symplectrifbrate any for Kepet E C. states of cell-deduce 1/ hyp.
·M:= W (P) general fiber. (Ill such fiber are symplectronephic). Mego in their region.
Towards F(E,W):
objects: Property embedded L = E, s.t. W(L) is contained in
or:  (WH)  N D, E (-17, 17) "Airechs of L"  Ostrolis  Ostrolis
Hom (K, L) := HFX (\$\frac{1}{2}\) K, L) ser Dx < DL  This & "carbolockenik lend" Oxe Dx, Oxe Dc.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dc.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe Dx, Oxe Dx.   Dx & Bx  This & "carbolockenik lend" Oxe D
\$>0 safficiently large that all ends of the K above the ends of L
means, Dock - DEL ,
What is a time & could elichunk yeard?
slaught ray setup:  (m) =
X > 7 0 equil to of
(= han-tion ex hix/y1=x (
& any Harles the & flow of
In honzoahl setup, Dok = DL.
· Note that is to agrice setup, and flows gen by how ho =v.
may not be enough.  Ex:  - there's no structure ratety flow public, L past K.

Defro an Anxiliary caleson  $O_W$ :

objects O:= advansable leagrangians in  $(E_W)$ how (K,L):=  $CF^{\circ}(K,L)$  if  $D_K>D_L$  (in a contribution)

how (K,L):=  $Z<eZ>:F <math>D_K=D_L$  and K=LO otherwise

that X "directed adoption that live one same posset (K) compacting adoption that  $E_L$   $E_L$ 

Dotro to Ax stratue in O que usual: et is a stock unit, &

egli: hom (los, lo) & whom (lo, lo) > hom (lo, lo)

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= 0 ionless Lo>Lo>Lo> - > Lu

induction of the counts over as usual (not problemation, bill like provide desput

new xo)

(units the forward street of morphisms, this condition) is yourced

bestrones Axo restres.

Note this is invariant and golfs apports the isotopies up to a complete. I would arrive the flows

Note that have ( $\Phi_{E}L, L$ ) := CF°( $\Phi_{G}L, L$ ) but

have ( $L, \Phi_{E}L$ ):= O. In public,

In L) L &  $\Phi_{E}L$  are not isotophic objects.

(Abaua. J-Jede); For emy L admissible, emy 870, debré a quasi-unit

of Get PEL, L):= Hohano (tel, L). by continents: "cont of G) if their ment,

(by the identification HF \* ( de L, L) = H'(L) for & small, which is exact. get a collection of mapphisms ex: YEM x 1 the elevent 2 0 4°0. Def : [Abasaid-Seidel] = F(E,W) := O[2-1] localized alega-:= anage ( () -> tw " () -> tu " (/corostz).) By del's, F(E,W) comes equiper -/ & fuch () \_\_\_\_ FEEW) July " inthal among function sady = to some hours a" In perhalog se carthad of @ 0500 = = 05 F but note that in F, the water The key proposition that and of (0[2-1] until 15: Prop: ["Onect possible Lenan"] [Abarand - Seldel]: If DK > DL then j' homo(k, L) -> homo(k, L) is a quesi- Erzmaphian. CF-(b,L) Conclusion: So, in H°(F), Hom(h,L): FF (\$\Period\_E k,L). The E>Ologe englished to D\_k > D\_\_ HIDM (PEK,L) Propilianch poste lane 12") [A-5] If D<sub>10</sub> > D<sub>10</sub> > - - > D<sub>10</sub> her ca set up & model of F so that her (Li, L;) -> hor (Li, l;) and up & total complete to co... () injectue on chain level for Lot Li. spondent eyes with the one delies above. Examples: ( = 522 C model lefschotz fireform, And Let D be a lefaloty thatle

actually, he an admissible L D' for each i

In FIF, W) Mex object all became usuaphic : up b is snaphise are bject - A & H'han (A, A) = HF (Q, A) = K The Ar algebra stricke in Thong (A D) is 9. equile Harty to one on its minimal model, HA = K. But is IK, there is no room to (for degree reasons) for nentral 4 k 7,3 of 2-6) product: constant the about general of the is a sont. Thui [Seidel, Aharaid-G.). A spht-generity Fitzer, F(CM, DE 5t; 2). Have, 60 DE FOOT per (F(5,w)) = perf(K) ~ Chti(K) "ch. xaplexes / furt soul tealysa 10 620134 More grally ande MxC", W= \(\frac{\infty}{22}\) & more fere or exact & LEM a Lagrangian. ~> generalizer knoble \( \Delta = \Delta \times \Belle = \Delta \times \Belle = \Delta \times \Belle = \Delta \times \Belle = \Delta = \Delta \times \Belle = \Delta \times \Belle = \Delta = \D  $H^{\circ}$  lan  $(\Delta^{\perp}, \Delta^{k}) := HF^{\circ}$ compule: That: [Albertand-Avery-hartsonlow, Abroard - G.]. I exhibit to fruite

Give X a copiet a symple monifold, there is an Abassaid - Serdel construction of its Theyer cale, as: For each object Les choose Lill Hailbring perhabition for each to it ?

For each object Les choose Lill Hailbring perhabition for each to it? Be pointed traver, a/ e each L'i) Han Botopie LL · any finite street (Lo, \_\_, lim ) / to parries, \_\_, len padruck district, is in general pointien. Then, define a calyan of of sheets = (L(h) Les) or rathe pars (L, k). griecheg yshully nited categogy.

> Mandade is local if Zach hrq.g. Find Mod(O) is Mod(P) yr if yr check yr is jyr check yr is jyr

guled bed for ( by w Solution: we need to allow flows of the fee which it to fer reaso . "patrily wright flow" criof for, earl to zer new of -71, Len: hoso prosues admissibility. 0. (chech that hope peers is predial; near so it sends mys to says. Ex trajecter? Cohomologial products Gives Lo, Lo, Lz, defe Hom(b, b) @ Hom(b, b) -> Hom(bo, b) Chase En 18, 82 50 that Deges Lo > Dest > De 8 continuoles

( des La Le) & HF ( Peren Le, Pen La)

HF ( des La Le) & HF ( Peren Le), Pen La) HF ( de 2 La, Ea) Desired pullate believes of F(F,W): charalegilly the HF'(\$ 5. Ex lo, Lz) = than (Lo, Lz) "invanue unde gully suppeled pertirbility deter." adapth flor & t. \* invaince under admissible flows meaning to & ofthe should be quie assupplied to get Somewhat different to complete directly: (for each Li, Lo, doose En, or) Paris Li >PLy eh - but at see pont, i of will have to the worker they tending Exi, es as ham(L,L): make a honotopy which henotope "inkeding" has nake bed "nevaming hopether -[Abo-Zaid-Seidel]: 1 roucisila b Places h 1/ a "rog, vadislies He is experience ofthe for sistemanic !