building on ideas of · Kontrovali-Soibelman & Fakaya A X Laga tous Abration Brild a before Typece } & SYPE Family Floer handowy shald define the moreon further.
Build a mover space } & Laga tous tous Prove Hus SYPE O
orp prove HMS SYRZ
(and)
Progress; • Fulcaya: Constructed the local patches of Y (in the presence of hol. discs)
· Tu: Fullaya's construction patches can be glued to a space You.
parametrizing the smooth fibers
Fukaya: (slider in nebpage) The X K3 subse (usual laja tura fabratia), com construct the entire univers in this way. (ib) is been april there)
Assuration: (1) (1)
(If Q is not spin, the functor starts in F(X) strafed-whitey cliss)
n , full. mantas
Q is an integral affine marifold; i.e. the PCRh hidren 3) Q dosed-
Q is an integral affine marifold; i.e. the PCRh petron (3) Q dosed-glid by transformation, in SL(1, Z) XRh, integral affine polygon.

By C (Nx) = \$\int a_i \int a_i P = R" 八:- 八(至) val({ 29; T31)= 7. if Yp is an example of an "affersid domain which is stones by Tate. Given a description of Q as $VP_{ij} \rightarrow P_i \sim Q$ bbtan Y by ghiry Tpis. Define $Y = \left(\begin{array}{c} V \\ P_i \end{array} \right) \left(\begin{array}{c} V \\ P_i \end{array} \right)$ (F, b) class in H (F, Un) ... c/x == val -1(a).

ser of Ti) parametrized gains "{ as + Eq. This 7:0] fiber of To (a, 13 a (- 1) cal sys. 6 (Ruly: Y depensionly on Q itself!). FI(F)-> Uz. rest Ec a bounding co-chain). but Quality after in Nicodsyske on Ful warday Din Us. lens a lot about X).

We can define H* (L, (F,6)) whenever LCX is lagr. in X

 $\pi:X$

Fix pe Q. Arnold - Lionville: There is a consul identification TPQ= H+(Fp,R) Palyse

If p's near p,

we can identify it with a

vector in TpQ. If

we trivialize H2(F,R),

N) (V1, -, Vn).

PEP (Fp,R)

Integ Embed Har Emked

Har (Fp, Na)

Har (Fp, Na) Name idea: HFK(2, (F,b)) is the fibre of stofelts while a coherent sheaf HKX defined on X valvation is (V1, -, Vn) The data of a obsert sheet is equivalent to sheaves on Vi together with glving deta-(Yim) Affine -- , ga a module over Or, Tute: affinoid ring: Formal Lowert series in H1 (F, Z) which Traduly converge on Y. ZeZr

CLE A Z=(Zi, Zn)

ZeZr

comege, for eller of Yi. => sone decry/goods

co-ite on Ca.

Wear a point:
Fix p & Qq a Lagrangian L=X. (a provident theme L truspect Xp
Pide a Hamiltonian H -/ time 2-then P
Pide a Hamiltonian H -/ time 2-ther P s.t. Fp & P(L)
Gover Usually, take
Given perco, inster onsider (f) () <= : L(p) x = F, y(u) = free (), modele.
x = Fp , Q(L) * free () modele.
Fix an angula for Fp, Assign and a path from any in to Xell Inf
FP >> Assign a class [24] & HI (Fp, Z)
for every strip with boundary on L B F A
for every strip with boundary in L BF , F $EM(Y,X)$ exchange $d_X = \sum_{x \in X} \left(\sum_{x \in X} \pm \sum_{x \in X} \mathbb{E} u_x \right) \cdot y$
y (u continue)
Proceed that Op is a completion of livent polynomy on
He (F, Z)
O'T Il. 11000 0 interest oly is 2=1 this is
Usulston > conferce for ZEHT(F, U).

Louma: (Fukaya): IF Presufficiently small, then deconverges. (Truck i need to know you can do flow theory of take almost cylic. struckes
~) X(P) is a complex.
Fp Fqre
Fix a cover Pi >pi and Pi(L) 1 Fpi.
Goal: Construct a glung map L(Pi) & Uij Continuation L(Pi) & Oij Chank L(Pi) & Oij Chank L(Pi) & CF*(Oi(U), F) Chank L(Pi) & CF*(Oi(U), F) Chank Lordination Continuation
Roblem: Cuty 2005 K conveye?
Ans: it may not, but "
Lenny: (A.) If ne refine the cover sufficiently, then K converges
on Pij.
Cocycle and the TEnsue conseques by reling further
I Chances of basepoints.

(<u>)</u> .

Thm: (Gross, Duistermant):

X is uniquely deformed up to fibrewise symplectomorphisms

by (Q, Integral affine, [X] \in H^2(Q, Aff))

structure

Texp: H^2(Q, Aff) \rightarrow H^2(Y, Q^*)

XXX facture of co-cycle

capalities

The X is an Xx-twisted coherent sheaf.

((A, H.W.(A, A))



