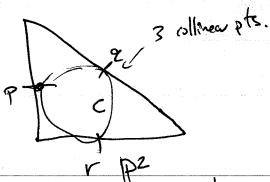
Kesting: Symplectic proportion of ADE Milmer Fibres. f: C"1: @ -> C, holo., Aflo=0, Af#On 8k() wlog f(0)=0. Gen of fisolated hyperative anotherity. (Today: Mostly n=2): B 2(9) of 1 (2); Singular. But, Bs(0) of -1(Es): smooth = Milmor fibre of f: Mf. exact symplectic; / contact type bornbay. Symplectic Procod-lesschetz theory: f Hose out pt. of degreence to F, ex. Hosp. - V. path ~ v. cycles c f - 1/ Es) Milnor: Mf ~ V Sh Lag'n sylve. non-interesting party distinguishes collection gues bests for -> distinguates collectof van. cycles. H. (Up). · I, extre for <, > or · (n=2:6L=-X(L)). Positive modelity singularitien TL GTS (Symp My); Dehn twists. e.g. Trer = xP+y2+2+xy2. ADE case = undulity - 200 中十十十二 = sunde = <, > regetie dokurk eq eC2 film, many values. e.g. An xatlyy+z <,7 seni-dof-of indof.

ADE CUSE: positie modulity Rither: Only exact (epot) laghs are spheres. Than: Fexact SXS promitie in howday, [Meslow class (). I gen of snowbarty Pf. stategy: [f] -> [g] f+Ep~g, Mg C> Mf
exact "f adjacent tog." Prough to store (*) for TP.E.V. (R,q,r) = (3,3,3), (4,4,2), (6,3,2) &Rest: 3-vandle Tp.z.r. & Jp.zr = MTP.z.r. Try r (Gabrelov):

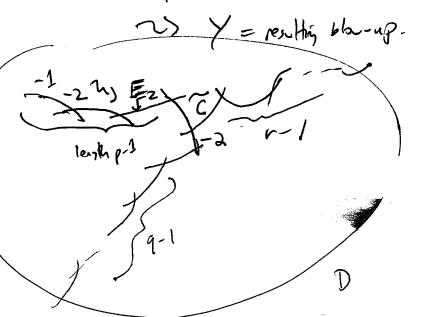
Coordinally, get a description of Egg, r. u/ exactly these intersections (no concellation).

(Jp, q, r described as total space of Lefschetz fibration.)

P+ + + + <1: Gross-Hacking-keel on Looisenga Paus,



Blow-P Pig, v tros of thek



(in progress) =

$$D^b \mathcal{W}(\mathcal{J}_{t,x,r}) \cong D^b G h(Y \setminus D).$$

V. cycles > spherical objects. ix O sphere I shaves, Ex O, i. Oc(-1). The sphere! one like.

Thur: I exact lagin fors T.	
Pick spinst. Flit (pk. line bolbs on T = 7 (C*)² choices. T (J)² C P² T (T, (d, P)).	
Properties: V van. cycle. Sono cases, the fer any lash sphere. (Cx)2 n chain of -2 converted to the (T, (a, B), (V)) =0	proper time for
for (1*) } }	
Consequence: HF=((T, a, B), (T, a, B)) = H*(+2) \(\frac{1}{2} \) = So \(\frac{1}{2} \) = Warishing cycles don't generate full (\frac{1}{2}, g, r).	
Contrast (Seidel): woughted homogeneous singularities, woughts w_i w' $\geq \frac{1}{w_i} \neq 1$. There There is graph by varishing cycles. (Have examples of these foring len $\geq (\frac{1}{w_i}) = 1$, so conditions that!)	
in more examples of exact login tori: ~ some still comosp. to (Cx) 2 potations (e.g. why the slogar "exact login T corresports to a chamber of a scattered diagram."	
"exact lagin T corresponds to a chamber of a scritture diagram." "in simple example.)	
Pochambers correspond to cluster coord. charte?	
- La Charmen Co. She is Challe COOK CAOK!	

A: In principle, yes.

Automorphisms of TP18, ~ (exact, apathy supported symplectomorphisms)
Construct automorphisms of a beliebetz fibration: on utomorphism of doorse fibrate + 3 must be be coupstible. automorphism of the base. + apolly supported.
Ex. Dehn twist in An
* /\ 4941A ?
project + & slightly parturbed. Annua All matching up box alast sett gives out of base. (add non-spot are.
Check maps are compatible; new mes upstars are vanishing paths. Claim: this is a Dehn twist.

C.f. [Giron-Parda] =) any Milnor fibe is the total spice of a Lafacletz fibralin,

Myhr Hope: thanks to, but not recessarily that any auti-is fleered.

Myhr Hope: [Aurone-horoz-Pres as] & that any automaphism is fibered, after

stabilized staying.

Thm: I exact, copelly supports symplether of Jesus which
Thm: I exact, cpctly sypposts sympleths of Jp.s.r which over the state of John had fin various cycles in prepared of John had fin various cycles in prepared any spheres of the prepared.
- constructed as ent of latschetz fibrations have smile potwers, but order of magnitude were complicated.
- Content: Riemann services, MCB gen, by Dehn trust, b. An Milner filmes (J. Evans, W. Wu), gen. by taists.
At: uses exact Lag'n toric & the fact that they're almost always (hondingically) disjoint from spheres.
Ex: a torus which corresponds to a (IX)2 may torus which can't consepond potent potent potent Symbolis BE T T T T T T T T T T T T T
It symplects product of tust, c. 1) Neve mae southing to southing southing southing
Q: What's the mans to love things? Needed Not some brighten therfains to ble down't proprie (CX)2 potenties.