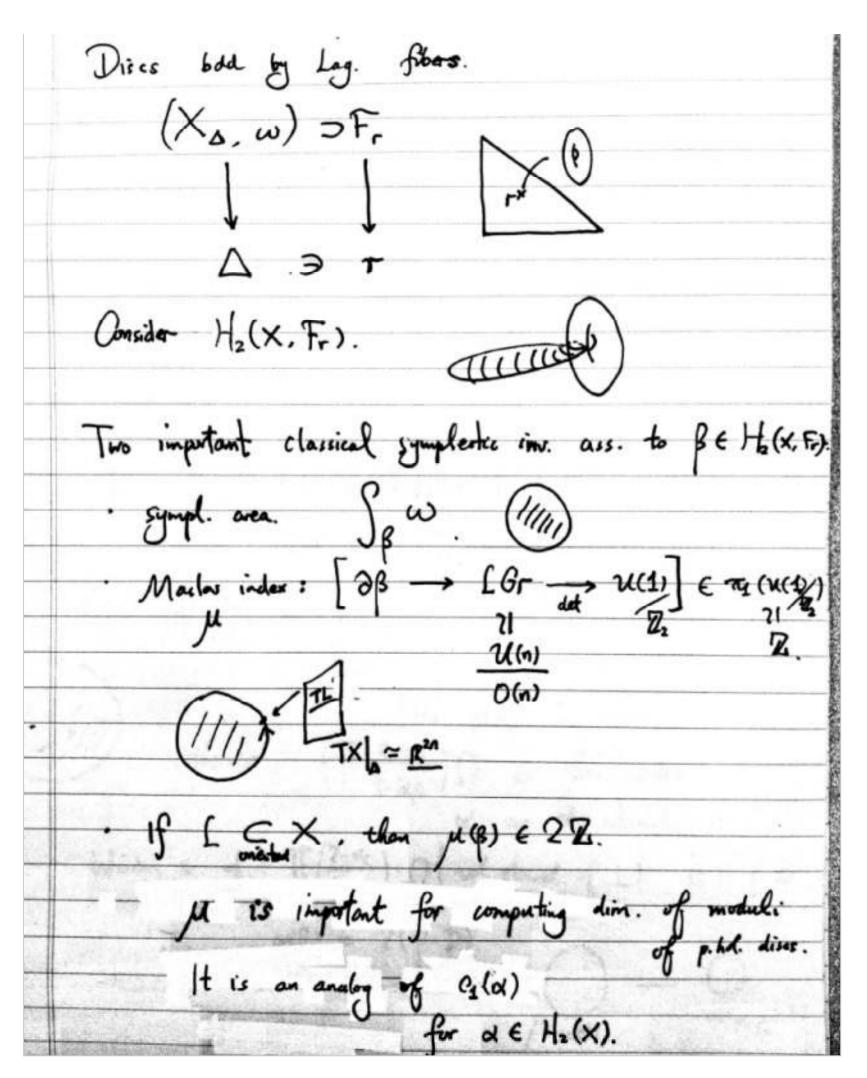


linear word. XEtz is action word. on P:

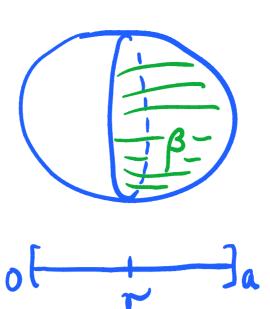
$$\int_{\mathcal{Y}_{X}} \mathcal{Y}_{v} \mathcal{W} = \int_{0}^{1} \omega_{\mathbf{Y}_{X}(t)} (\nu_{\mathbf{Y}_{X}(t)}, \mathbf{X} \cdot \mathbf{Y}_{x}(t)) dt$$

$$(v \in T_{v} P) = -\int_{0}^{1} \nu_{\mathbf{Y}_{X}(t)} \cdot \mu^{\mathbf{X}} dt = -v \cdot \mathbf{X}.$$

$$\frac{\mu^{*} \mathbf{X}}{v \cdot \mathbf{X}}$$



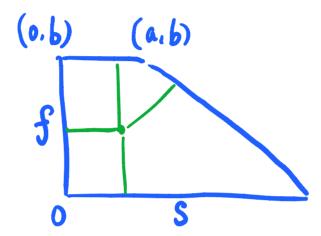
e.g. P^1



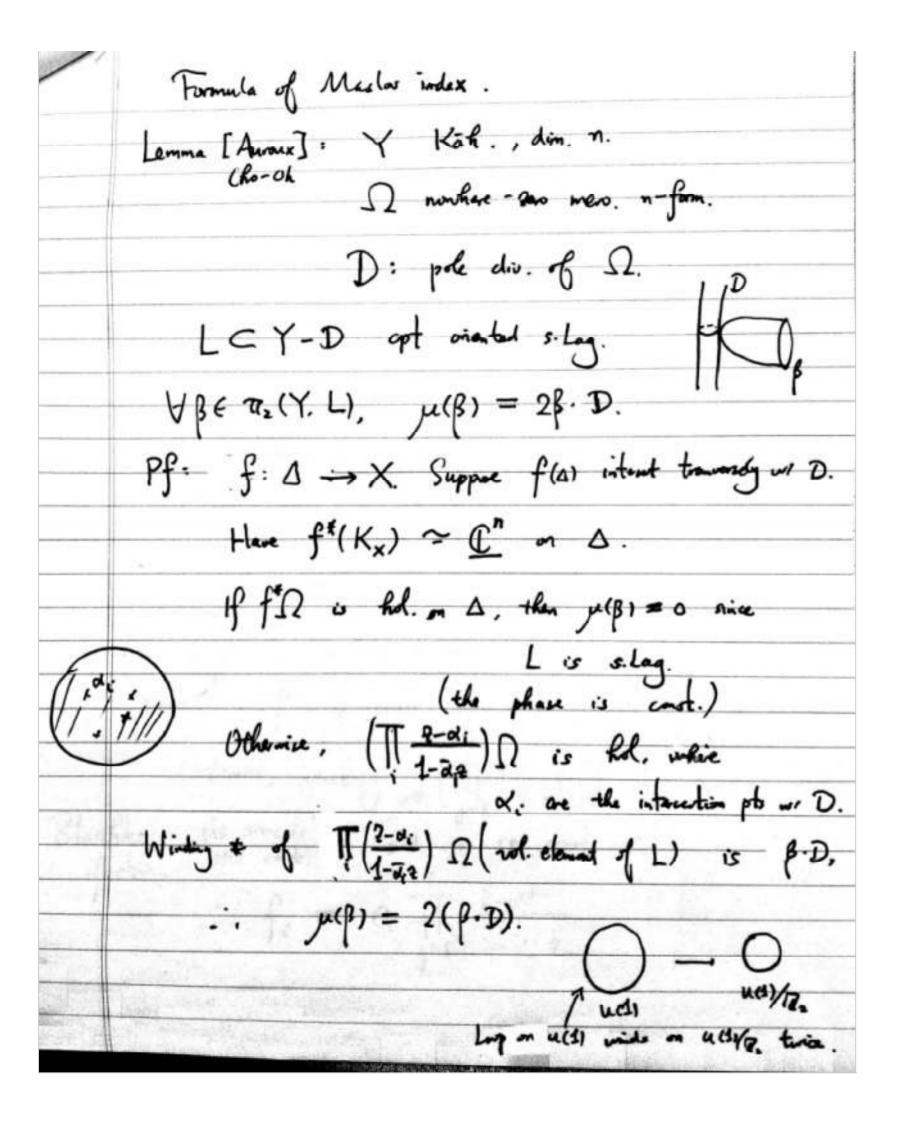
area of $P^1 = a$.

area of $\beta = a - r$.

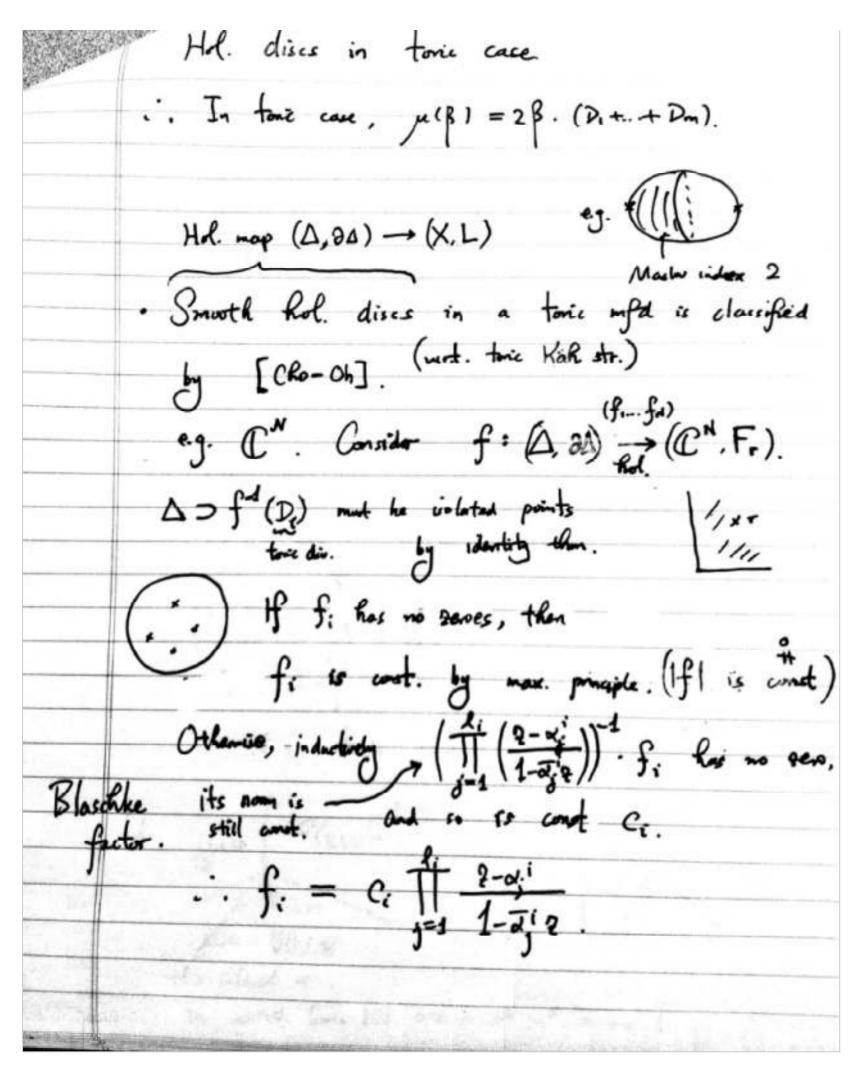
e.x. F₁.

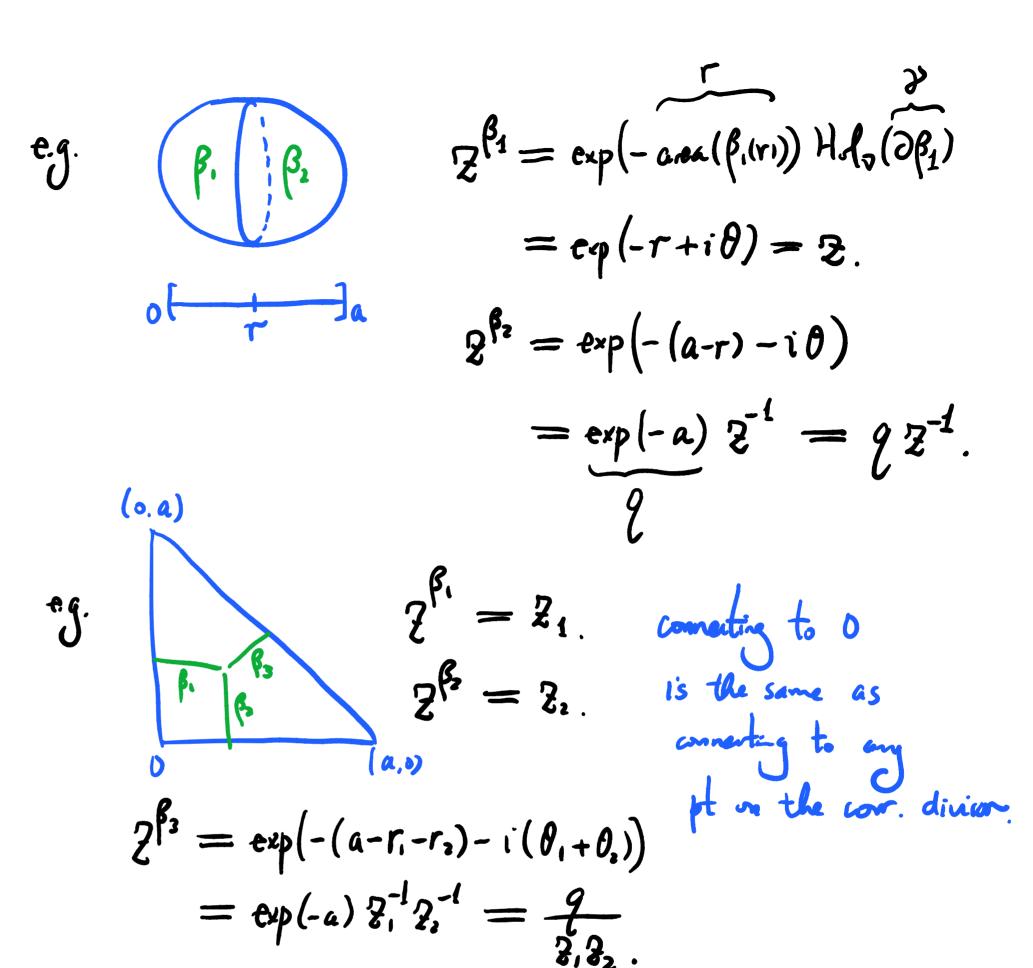


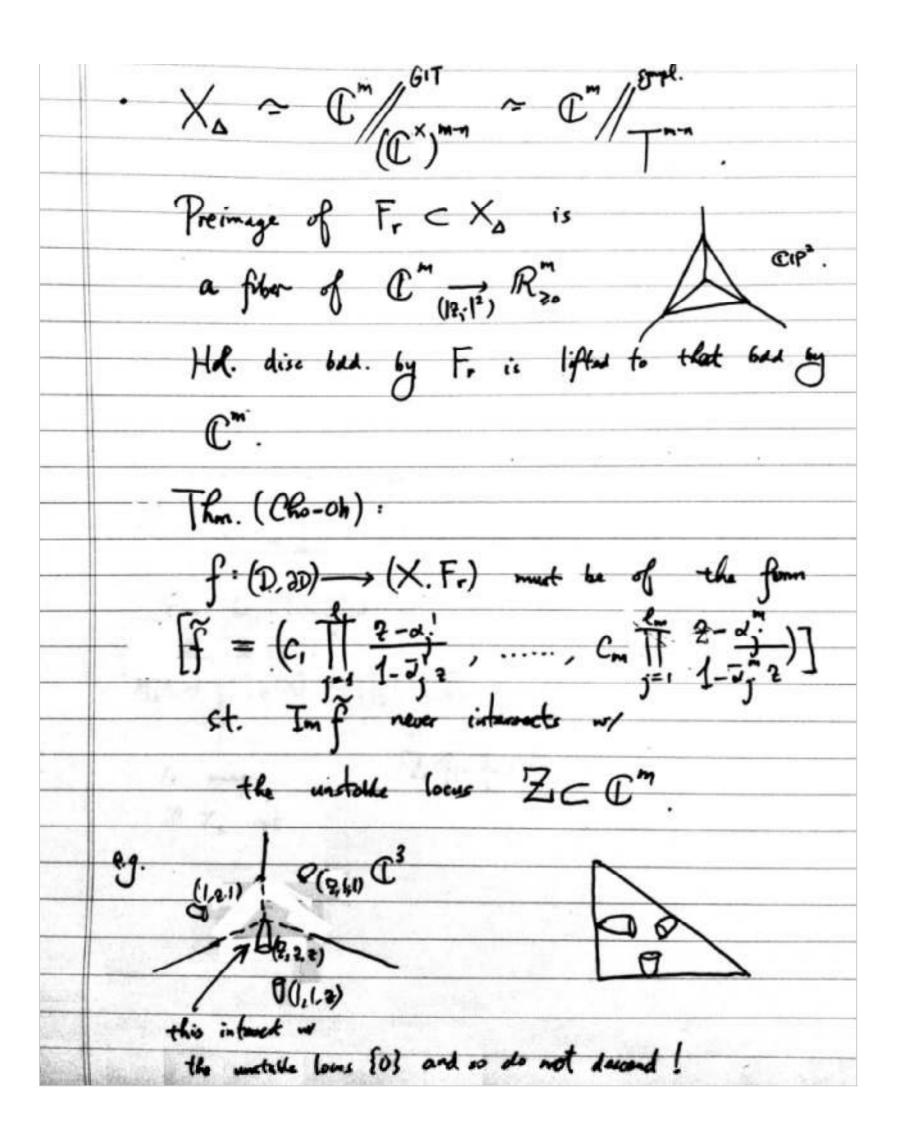
- · What is the area of f and s ∈ H₂(X)?
- · Compute the disc potential.
- · Find a non-displaceble Lag. fiber.
- · What are the areas of the basic discs bad by the non-displaceble Lag. Fiber?



Minor space = TP / _ ((x)n. { flat ULL) connections ∇ on filer at $r \in P^{\circ}$ } Complex coord. $Z_k = \exp(-r_k + i\theta_k)$ $= \exp\left(-\operatorname{area}\left(\left(\frac{1}{2}\right)^{2}\right) \cdot H_{2}\left(\frac{1}{2}\right)\right)$ For $\beta \in H_z(X,L_r)$. $2^{\beta} = \exp(-\alpha R (\beta(r))) \cdot H_{\alpha}(\partial \beta)$ monomial in Zi.



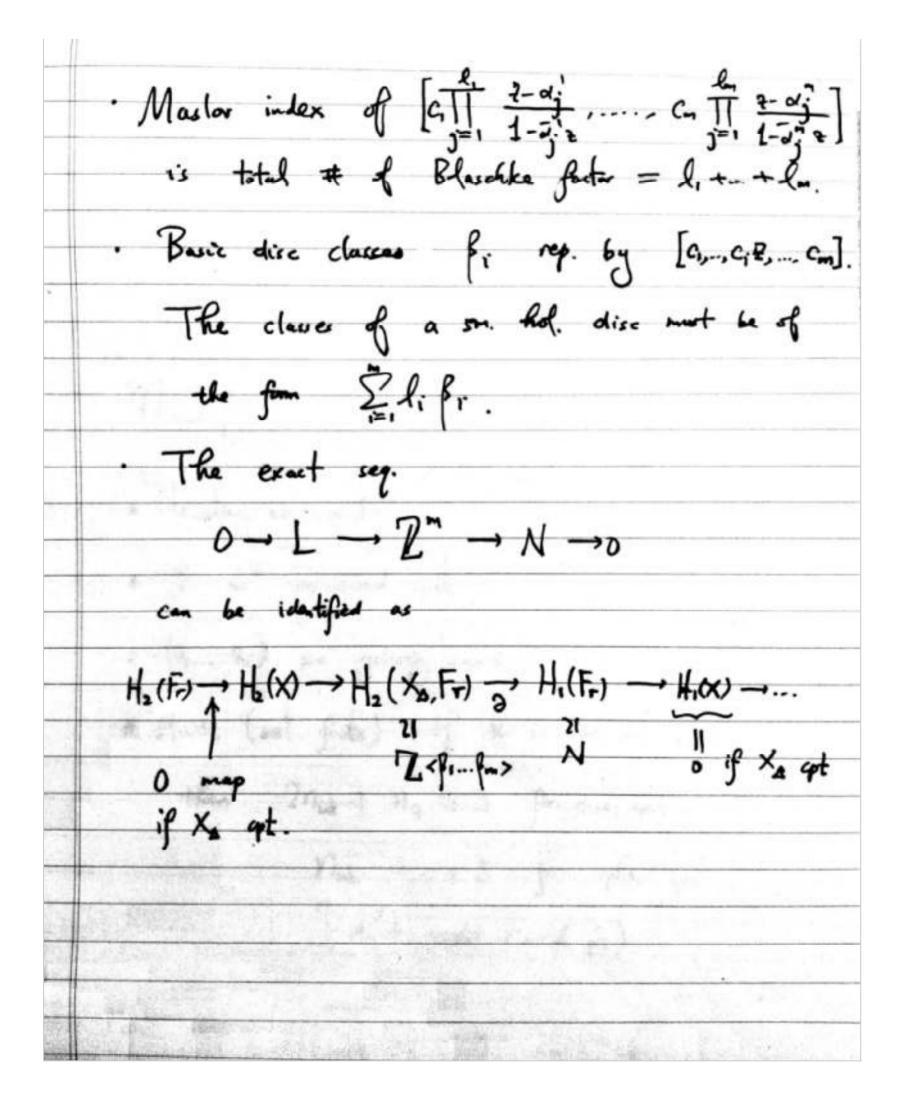




Basic disc class in H(X, Lr): take v: prim. gan. of a ray of Σ . $N = \pi_{i}(L_{r})$ take a path connecting to to a point in Dv.

Move Y, along the path

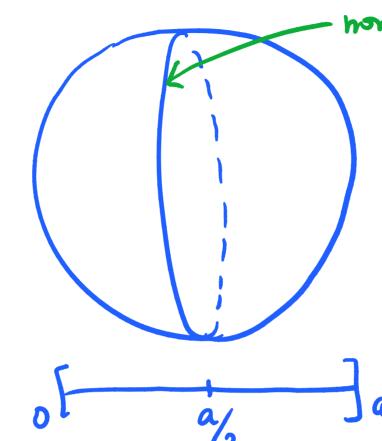
toric divisor Move y, along the path toic division and y, vanishes at D, -> disc f.



tukaya-Oh-Uhta-Ono:

Critical prints of W corr. to non-displaceable fibers!

e. 9.

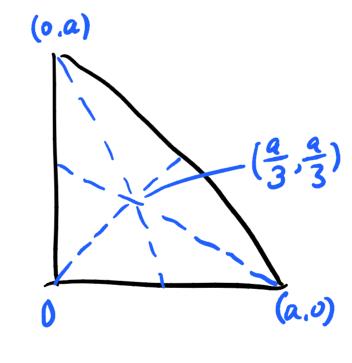


$$W = 2 + \frac{9}{2}$$

$$\frac{\partial W}{\partial z} = 0 \iff z = \pm q^{\frac{1}{2}}$$

$$= \exp(-\frac{q}{2}) e^{i\theta}, \quad \theta = 0, \pi.$$

4.9



$$W = 2 + w + \frac{q}{2w}.$$
cit. pts: $2 = w = \frac{q}{3}$

$$= exp(-\frac{q}{3})e^{i\theta}, \theta = 0, \pm \frac{27}{3}.$$

11 10 auch of holomorphic discs. (to count discs)
· We always use the tonic cox. str. J.
The Lag. Fil. theory is indep of the choice of
almost cox strs (and parturbation in virtual theory).
$(up t_0 A_{on} isom.)$ For $\beta \in H_{\bullet}(x, L)$ $M_{\text{poll}}(\beta) \triangleq \{(u: (\Sigma, \partial \Sigma) \longrightarrow (X.L), 2a$
10 β ∈ H. (x, L) (β) = {(u: (5, 25) → (x, L), 80, 8, 8, 8,, 2,
3/Adt (S?)
* interections ar nodal.
* intersections are modal. * J-kol. on each cont.
* (Zo, Ex) are cyclically ordered.
* stable (and finite): If u is more count on a good,
then 2nit + no > 3 for disc grit
Nit. > 3 for sphee quit.
2 # (int. madel or metal pts).
· Have ev: Mindel (B) -> X1 x L hard.

Recall The N The N The X M = X (Fr. V): re Do; V flat ud) XD cond on Fr?. Copx cond on X is adjust floots are condid by packing Mg. W = X SY2 mirror obtained by packing Mg. W = X DC, W = \(\sum_{\text{getHurFi}} \text{N} \)		Superpotential. (Fan	
$\{(F_n, \nabla) : r \in \Delta_0; \nabla \text{ flot ud}\}$ $\times \Delta \qquad \text{com. on } F_r\}.$ opt twice $\cdot \text{ whise.} \text{suppose } \{v_1, \dots, v_n\} \text{ fines a one in } \Sigma.$ $\text{Opx cond. on } \times \text{ is } \qquad \text{adjust flows are condition by packing } Y_n \text{ for } X_n \text{ and } Y_n \text{ for } X_n \text{ and } Y_n \text{ for } X_n f$	$T\Delta_{M} = \dot{x}$	· Recall T'D,	
opt tonic . WLoG. suppose $\{V_1, \dots, V_n\}$ for a one in Σ . Opx could on X is adjust flow are condite by the $\Sigma_i = e^{-\Gamma_i}$ Holy $(\partial \beta_i)$ $e^{-\Gamma_i}$ $e^{i\delta_i}$. CVO in our obtained by packing $\Pi_{\mathcal{B}}$ \mathbb{W}^{LF} : $X \to \mathbb{C}$,	{(F, V): r∈ Do; V flat ud)	0	
Gpx cond. on $\overset{\cdot}{\times}$ is adjust flow are condited by the $Z_i = e^{-\frac{i}{2}t} \overset{\cdot}{\mapsto} Hol_{\nabla}(\partial B_i)$ $e^{-\frac{i}{2}t} \overset{\cdot}{e^{i\partial_x}}$ $CVP : Advised by packing N_B \overset{\cdot}{\mapsto} V^{LF} : \overset{\cdot}{\times} \longrightarrow \mathbb{C},$	۶ در ۱۲ J.	apt tone	
Gpx cond. on $\overset{\cdot}{\times}$ is adjust flow are condited by the $Z_i = e^{-\frac{i}{2}t} \overset{\cdot}{\mapsto} Hol_{\nabla}(\partial B_i)$ $e^{-\frac{i}{2}t} \overset{\cdot}{e^{i\partial_x}}$ $CVP : Advised by packing N_B \overset{\cdot}{\mapsto} V^{LF} : \overset{\cdot}{\times} \longrightarrow \mathbb{C},$	ins a one in S.	· WLOG. Suppose {v	
$Z_{i} = \underbrace{e^{-f_{i}}}_{F_{i}} \operatorname{Hol}_{\nabla}(\partial \beta_{i})$ $\underbrace{e^{-f_{i}}}_{e^{-f_{i}}} \underbrace{e^{i\hat{\theta}_{i}}}_{e^{i\hat{\theta}_{i}}}$ $\underbrace{CVO}_{i} = \operatorname{orbined}_{F_{i}} \text{ by packing NB}_{E} \text{ W}^{LF} : X \longrightarrow \mathbb{C},$	adjust floods are coordish by t		
e-ri eid: CYD theired by packing Mg WLF: X -> C,		z = e-fi Ho	
SYZ mirror obtained by packing ng. WLF: X -> C, WLF = Sing e-few Holo(OF)		e-re	
Wif = Sing e-fw Holo(OF)	packing ng. WLF: X - C,	SYZ minor of	
Table 1	n, e-fw Hd, (0f)	W ^{cf} ←	
BEHINT.	-6.w 14 (00)		
- Σ - Fr Holy (3/1).	CAL Hold (als).	CE-	
Using {v vn } as basis, apr = \$\frac{1}{4-1} \nable i, e afe	of i = 2 vile afe	Using {v un }	in the same
Then $\alpha_i = \beta_i - \sum_{i=1}^{n} V_{ii} \beta_i \in \mathcal{H}_{2}(X)$. $(\alpha_i = 0 \text{ for } i = 1 \dots n)$	(for i=1 n. Vile = die.)	Tl (.	
match w		matel w	match wi
Honi-U-fe -> W'LF = = = e-lin Ze = = = e-lin Zi.	1 2 e = = 1 e = 2 .	potential. Will = 5	Honi-Vafo

