

Remark: Extension compatible with mirror symmetry X
Blow-up

Blow-up

Blow-up

Blow-up

Moring

X and the mirror

XE

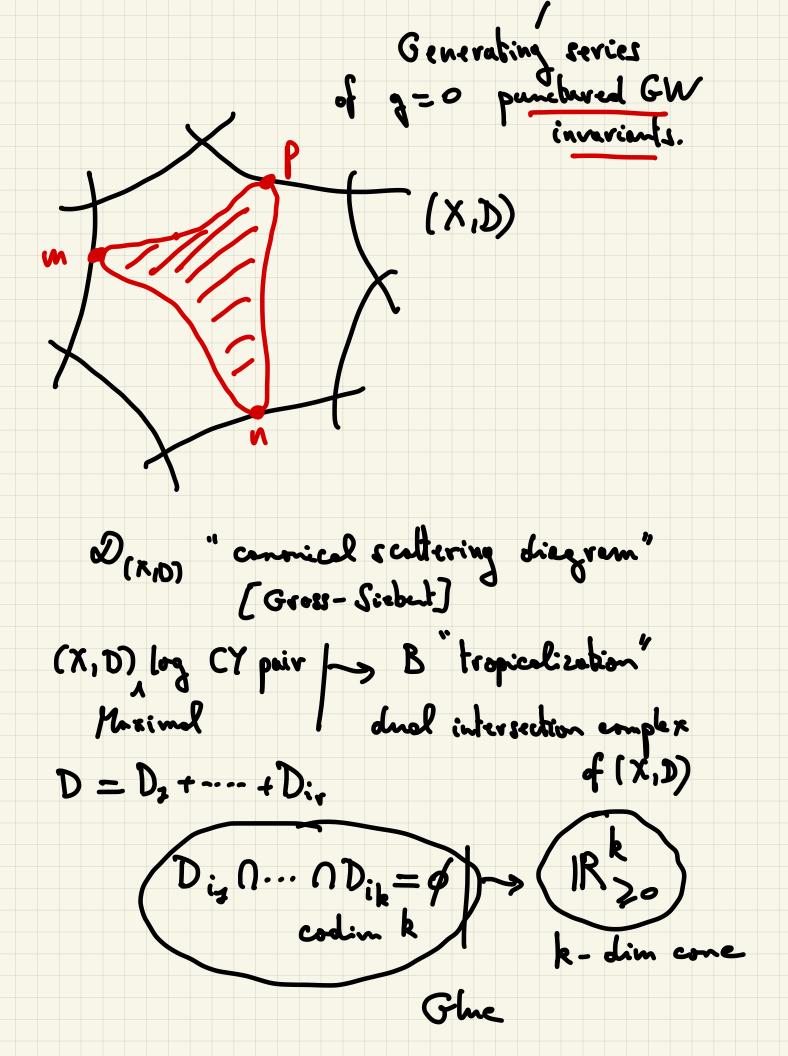
Hähler

Mordeli of X

Mordeli of X

Mordeli of X Proof wing a comparison: M. Gross "The higher H. Avaiiz Limension! Worker"

(XID) Les OFHEN vertex Canonical Scattering diagram Scottering by GHKK Enumerative La Construct "O-functions" Mirror & "D-functions" on Aprin lon X 2 Interpretation | Gross-Siebert | Gross-Siebert



L> B = $\bigcup 6$ Cone complex $E_K: (X, D) = (X_E, D_E)$ bois -> B = fan of $(\chi_{\varepsilon}, D_{\varepsilon})$ (X,D) non-bric ~> B "generalization of the form" Martraet con complex. D(x,0) "consmicel scottering disever"

Object living in (B) B(Z)

(1)

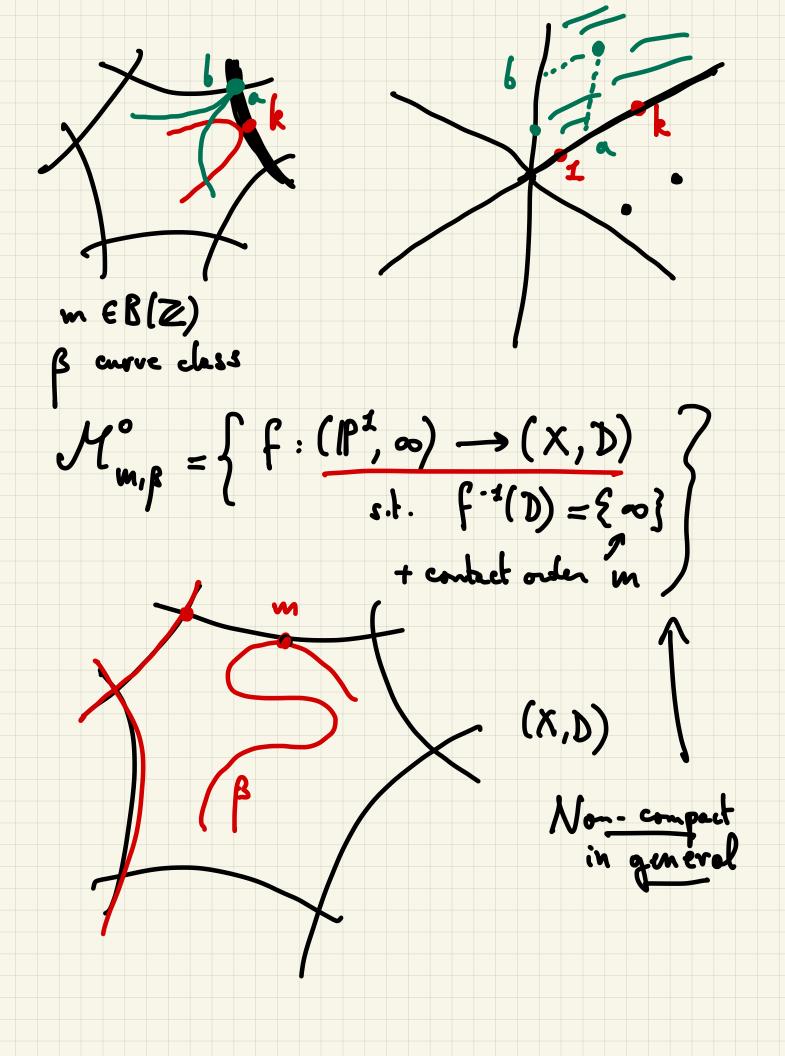
n EB(Z)

no Prescribing a

tangeney condition

a contact point between

a converse X and D.

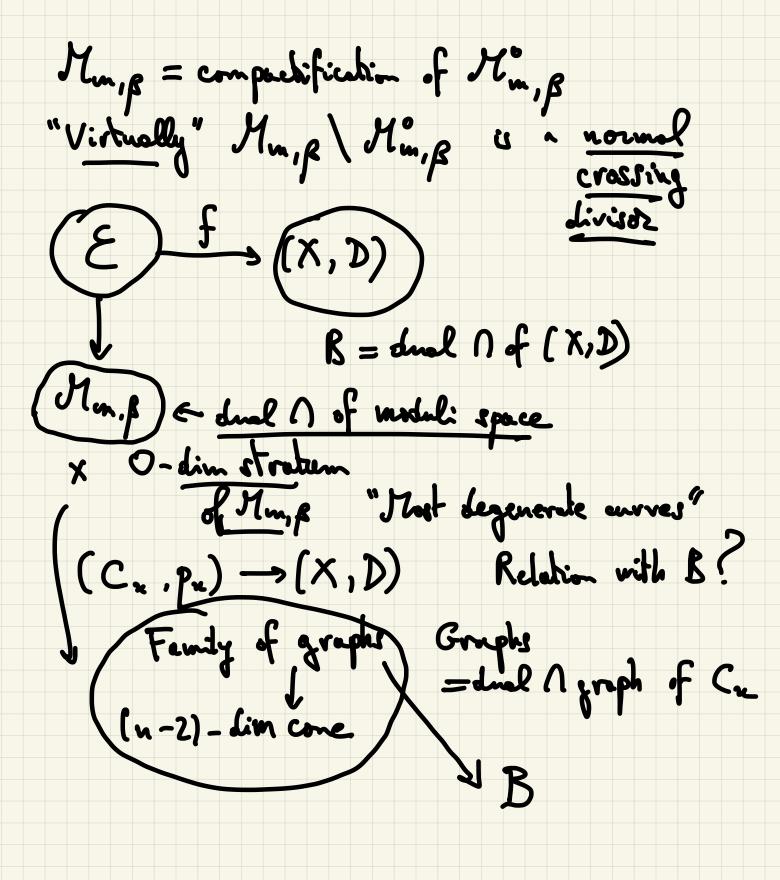


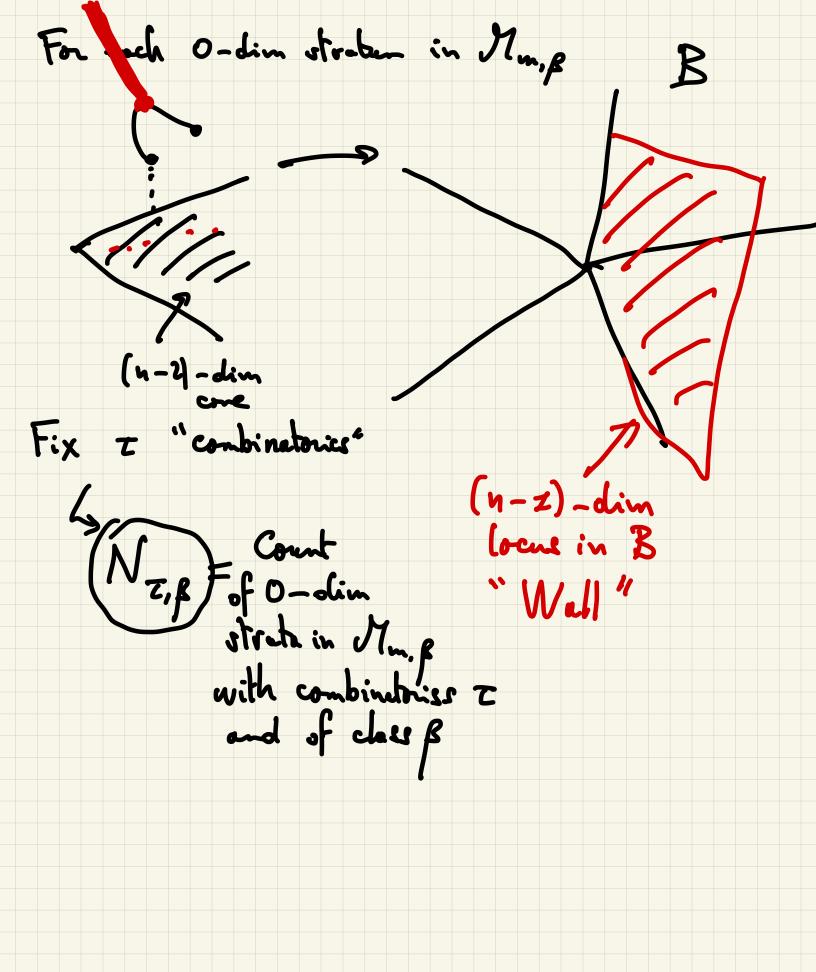
Mm, p = "Nice compactification" $\left\{ f: (c, \infty) \longrightarrow (x, y) \right\}$ Nodel + Extra deta of genus O Cog structures Uses "log geometry" M., p: proper Deligne-Membrd

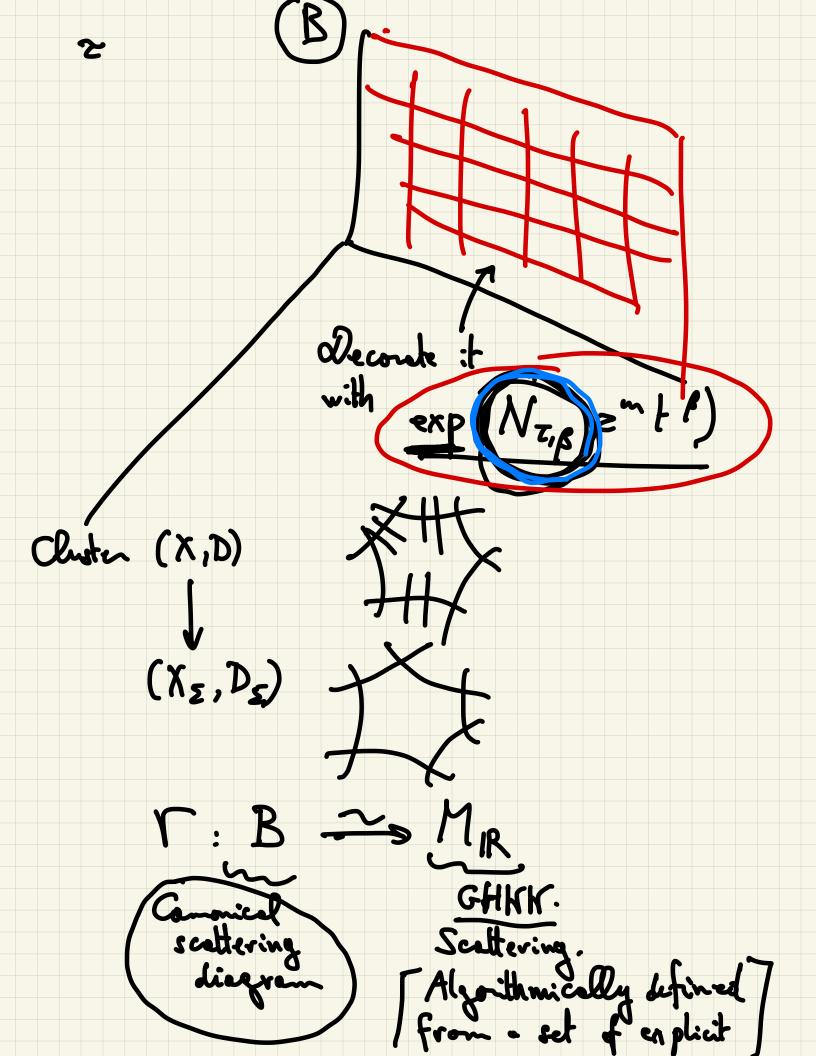
Stack

"virtually smooth of dim [n-2]" n=dimX Mm, B Conomical

Scattering Dix, D) on B







I intial wells. din 2 P2 P2 Oluster scattering Frosen [E] Cenonical scattering diagram $= \exp\left(\sum_{k=1}^{k} \frac{(-1)^{k-1}}{k^2} \times k\right)$