Conj: (Boussean-Brini-van Garrel) Under technical

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conditions on (SID); F(XIL) \*\* curves (W boundary)

conditions on explicito (XIII) (...) · Log GW (SID) = Open GW (XIL)

Thin: Holds if D=D+D2 has two components.

## Applications

Log

[AKMV'05, LLLZ'09]

toric => topological vertex method

=> (explicit) formulas

(<u>®</u>

BPS integrality [X'23]

tropical vertex [GPS 10] 3)

=> formula (P2 | nodal)

genus = 0

formula for Q.(n) ⊕ Qp.(-n-2) genus = 0.

Comments: (skip unless relevant)

(3)  $\sqrt{G}N - : GW_{d[P]_{s=0}}(Q_{p}(n) \oplus Q_{p}(-n-2)) = \frac{(-1)^{nd-1}}{d^{3}} \binom{(n+1)^{2}d-1}{d-1}$ 

 $\sum_{g \ge 0} t^{2g-1} \log G \log_{g, line} \left( \mathbb{P}^2 \middle| \lim_{conic} \right) = \left[ \frac{2\pi}{1} \right]_q = \frac{q - q^{-1}}{(q^{\frac{1}{2}} - q^{\frac{-1}{2}})^2}$ 

Log GW before my My (SID, B) (SID, +D2) T: (->S stable by map)

C genus g curve,

fi[c]=B.

P1. P2. P3 e C

f\*D. = (D: B) P.

A (exp)din  $(g-1)+2+1 = g+2\pi$ Log GWg,  $\beta$  (SID,  $\beta$ ) =  $\int_{A}^{b} ev_3^*(pt)$ [ $A_g^{bs}(SID, \beta)$ ] "
[ $A_g^{bs}(SID, \beta)$ ]" pen uw (X | La) st. X toric (43 L (Aganagic-Vafu) toric Lagrangian { (C,f,oc) | f: C-> x stable map) C genus g curve | fr [C] = B oc winds La (D) time (exp) Lim = 0 n, Open GWg, B(X/L) = [Agen(X/L,B).



