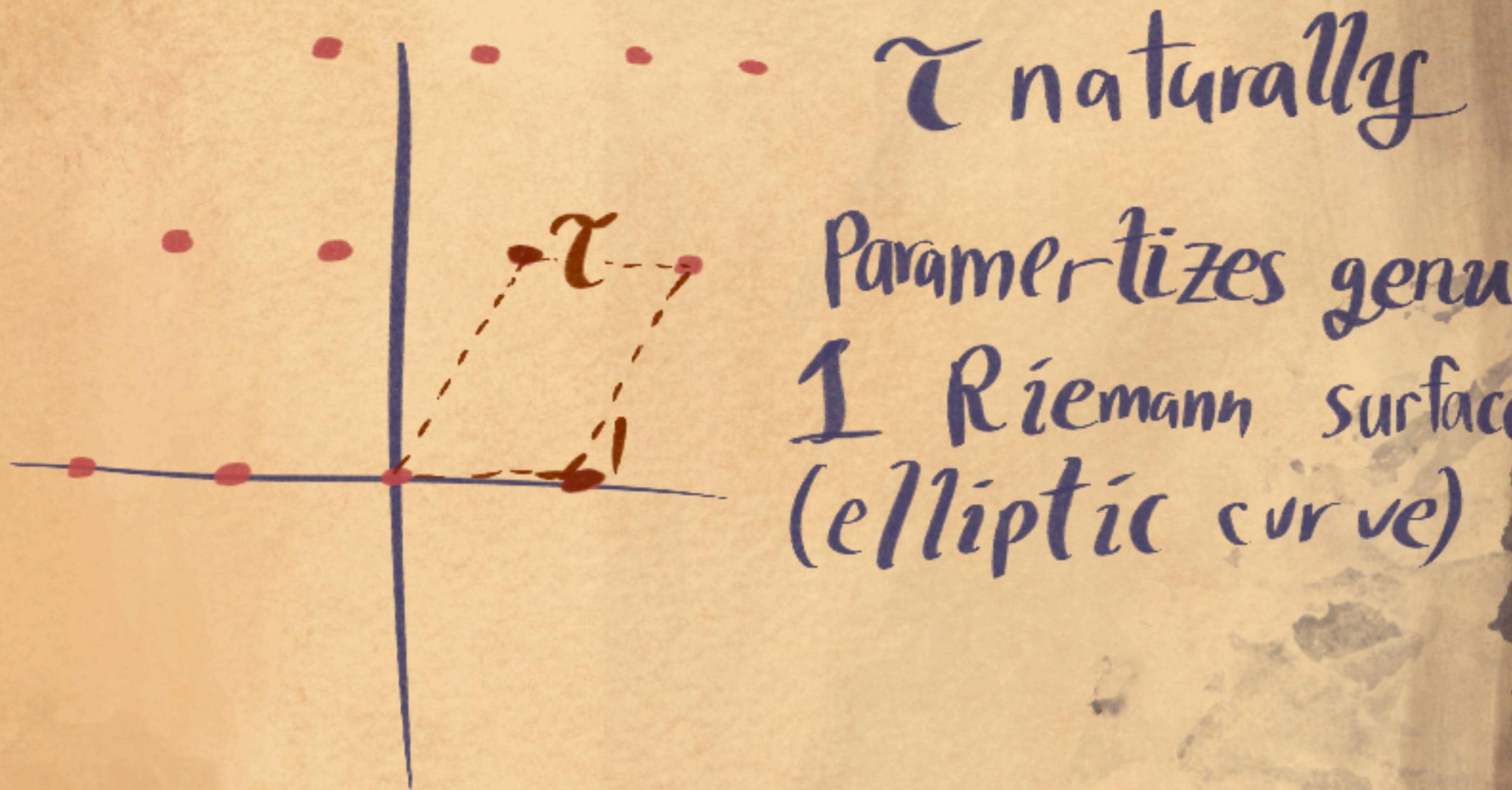


$\tau \mapsto \tau +$ generates $SL(2, \mathbb{Z})$ action
 $\tau \mapsto -\frac{1}{\tau}$

$\{1, \tau\}$ forms a lattice!!



$\Rightarrow \tau(u)$ gives elliptic curve fibration over $\mathbb{C}!$

Over zero: renormalization breaks \Rightarrow fibers degenerate

carries natural Kähler structure
fiber tori Lagrangian

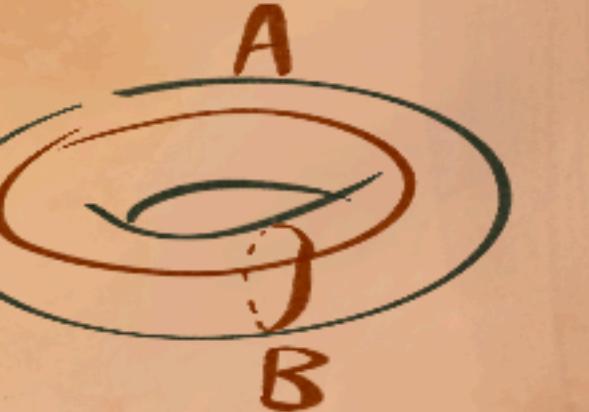
InTEGRABLE!



Sieberg-Witten curve

encodes τ as periods of spectral curve

$$\tau = \frac{S_B dz/y}{S_A dz/y}$$



$[\phi, \phi]$

$$y^2 = (z-\lambda^2)(z+\lambda^2)(z-u)$$

RIP
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