$$W_d = \text{linearized moduli},$$

$$M_d^g(X) = \text{nonlinear moduli},$$

$$\mathcal{M}_{g,0}(d,X) = \text{moduli space of stable maps}$$

fiber of $V_d^g = H^0(C, f^*V) \oplus H^1(C, f^*V)$

$$\omega = \pi^* b(V_d^g),$$

where b is a multiplicative characteristic class

$$Q_d = \phi_!(\omega)$$