

$$H^{1:1}|Y^6 = \mathbb{C} \frac{\omega_i}{i \in h^{1:1}|Y^6}$$

$$\text{intersection number } \mathcal{K}_{ijk} = \int^Y \omega_i \wedge \omega_j \wedge \omega_k$$

$$J = \omega_i J^i$$

$$\text{volume } \mathcal{K}(J) = \frac{1}{6} \int^{Y^6} J \wedge J \wedge J = \mathcal{K}_{ijk} J^i J^j J^k$$

$$\mathcal{K}_{ij}(J) = \int^Y \omega_i \wedge \omega_j \wedge J = \mathcal{K}_{ijk} J^k$$

$$\mathcal{K}_i(J) = \int^Y \omega_i \wedge J \wedge J = \mathcal{K}_{ijk} J^j J^k$$

$$g_{ij}(J) = \frac{1}{\mathcal{K}} \int^{Y^6} \omega_i \wedge * \omega_j = \frac{1}{\mathcal{K}(J)} \left(\mathcal{K}_{ij}(J) - \frac{\mathcal{K}_i(J) \mathcal{K}_j(J)}{4\mathcal{K}(J)} \right)$$