The mirror of $\mathbb{P}^4$[5]

2-parameter K3 hypersurface in toric variety

- compute the fundamental period $\varpi_0$ as a residue in the limit $\xi, \eta \to 0$
- construct the other three periods $\varpi_1, \varpi_2, \varpi_3$ using the method of Frobenius
- continue the periods analytically and compute monodromies around singular curves
- two complex structure parameters $\tau_1 = \frac{\varpi_1}{\varpi_0}$ and $\tau_2 = \frac{\varpi_2}{\varpi_0}$