

$Y =$ near Kahler

$$\mathbb{S}^6: \mathbb{S}^3 \times \mathbb{S}^3: \mathbb{P}^3: \frac{\mathbb{C}_3^U}{\mathbb{C}^U \times \mathbb{C}^U}$$

cone $\mathbb{R}_> \times Y: G_2$ holo

$$r^2 \left(\frac{x^+}{x^-} - t^2 \right) + \frac{1}{\Lambda r^2} \left(r^2 + r^2 d\Omega_B^2 \right)$$

wrap D6 branes/calibrated 3-cycles \Rightarrow chiral matter at intersection

$\mathbb{S}^3 \times \mathbb{S}^3$ has 3 calibrated 3-cycles