

Towns

$$3_{\mathbb{C}}^0 \begin{cases} d = 6 \\ SU_3^{\mathbb{C}} \end{cases}$$

$$\begin{cases} c_1(3_{\mathbb{C}}^0) = 0 \\ \bigvee_{\text{hol 3-form}} \mathfrak{F} = \mathfrak{F}_{\mu\nu\rho} dz^\mu \wedge dz^\nu \wedge dz^\rho \neq 0 \\ \bigvee \text{Ricci flat Kahler metric } g_{\mu\nu} \\ SU_3^{\mathbb{C}} \text{ holo} \end{cases}$$

$$\mathfrak{F} = \lim_{r \rightarrow 0} \int_{\gamma_r^3 \times \dots \times \gamma_r^N} \frac{1}{p^3 \cdot p^N} \varepsilon_{\mu_0 \mu_1 \dots \mu_N} z^{\mu_0} \frac{dz^{\mu_1}}{2\pi i} \wedge \dots \wedge \frac{dz^{\mu_N}}{2\pi i}$$

$$c_1(3_{\mathbb{C}}^0) = 0 \Leftrightarrow \sum \deg p_i = N + 3$$

$$2:2:2:2 \sqsubset \mathbb{P}(\mathbb{C}^8)$$

$$2:2:3 \sqsubset \mathbb{P}(\mathbb{C}^7)$$

$$2:4 \sqsubset \mathbb{P}(\mathbb{C}^6)$$

$$3:3 \sqsubset \mathbb{P}(\mathbb{C}^6)$$

$$5 \sqsubset \mathbb{P}(\mathbb{C}^5)$$