$$d_{\mathbb{C}} = \text{ Kahler}$$

$$d^0_{\mathbb{C}} = \text{ Ricci flat Kahler}$$

$$d_{\mathbb{H}} = \text{ quat Kahler}$$

$$d^0_{\mathbb{H}} = \text{ hyperKahler}$$

$$7^0_{\mathbb{R}} = \text{ G2}$$

$$8^0_{\mathbb{R}} = \text{ Spin(7)}$$

Towns

compact holonomy

flat $\mathbb{T}^k$

$$2^0_{\mathbb{C}} = 1^0_{\mathbb{H}} = K3 \begin{cases} d = 4 \\ \mathrm{SU}^{\mathbb{C}}_2 = U^{\mathbb{H}}_1 \end{cases}$$

$$3^0_{\mathbb{C}} \begin{cases} d = 6 \\ \mathrm{SU}^{\mathbb{C}}_3 \end{cases}$$

$$1^-_{\mathbb{O}} = \begin{cases} d = 7 \\ G_2 \end{cases}$$

$$4^0_{\mathbb{C}} = \begin{cases} d = 8 \\ \mathrm{SU}^{\mathbb{C}}_4 \end{cases}$$

$$1^0_{\mathbb{O}} = \begin{cases} d = 8 \\ \text{ Spin } (7) \end{cases}$$

$$2^0_{\mathbb{H}} = \begin{cases} d = 8 \\ U^{\mathbb{H}}_2 \end{cases}$$