

$$\mathcal{J}(\mathbb{R}^4) = \mathbb{P}(\mathbb{C}^2) = \frac{{}^2\mathbb{C}_2^{\mathbb{U}}}{\mathbb{C}^{\mathbb{U}} \times \mathbb{C}^{\mathbb{U}}}$$

$$\text{Tw}(M) = \mathbb{R}^4 \triangleleft_{\underline{M}} \times_M \mathcal{J}(\mathbb{R}^4)$$

Atiyah-Hitchin-Singer Tw(M) komplex $\Leftrightarrow M$ self-dual

Nijenhuis Tw(M) = Weyl₋(M)

$$\text{Tw}(\mathbb{R}^4) = \mathbb{R}^4 \times \mathbb{P}(\mathbb{C}^2)$$

$$\text{Tw}(\mathbb{S}_4) = {}^4\mathbb{R}_4^{\mathbb{U}} \times \mathbb{P}(\mathbb{C}^2) = \mathbb{P}(\mathbb{C}^3) = \frac{{}^3\mathbb{C}_3^{\mathbb{U}}}{{}^2\mathbb{C}_2^{\mathbb{U}} \times \mathbb{C}^{\mathbb{U}}}$$

$$\text{Tw}(\mathbb{P}(\mathbb{C}^3)) = \mathbb{G}_{1:2}(\mathbb{C}^3) = \frac{{}^3\mathbb{C}_3^{\mathbb{U}}}{\mathbb{C}^{\mathbb{U}} \times \mathbb{C}^{\mathbb{U}} \times \mathbb{C}^{\mathbb{U}}}$$