

Louis

$$\chi \left(4_{\mathbb{C}}^0 \right) = 0$$

$${}^{xy}g_{mn} = \frac{{}^xg_{\mu\nu}}{\left| \begin{array}{c} {}^x\varrho^A {}^y\omega_{ij} + {}^x\varrho^B {}^yJ \end{array} \right.}$$

$${}^y\omega_{ij} \in H_{\mathbb{R}}^{1:1} \left(4_{\mathbb{C}}^0 \right) \text{ Kahler form defo}$$

$${}^yJ \in H_{\mathbb{C}}^{3:1} \left(4_{\mathbb{C}}^0 \right) \text{ compl struct defo}$$

$${}^{xy}\mathfrak{X}_{\mu\nu\rho} = {}^x\mathcal{X}_{\mu A}^A {}^y\mathfrak{X}_{\nu\rho} + {}^x\varrho^B {}^y\mathfrak{X}_B$$

$${}^y\mathfrak{X}_{\nu\rho} \in H_{\mathbb{R}}^{1:1} \left(4_{\mathbb{C}}^0 \right)$$

$${}^y\mathfrak{X}_B \in H_{\mathbb{C}}^{2:1} \left(4_{\mathbb{C}}^0 \right)$$

chiral multiplet $h^{3:1} + h^{2:1}$

vector multiplet $h^{1:1}$