

Grana/31

$N = 2$: $D = 4$ ungauged sugra

IIA

gravity $g_{\mu\nu}$: A

vector g^a : O^a : A^a

hyper g^k : O^k : O_k

tensor B : ϕ : O^0 : O_0

IIA embedding

$${}^{xy}\hat{\phi} = {}^x\phi 1$$

$${}_{ij}{}^{xy}\hat{g} = {}^xg^a {}^y2_a \text{ Kahler defo}$$

$${}_{ij}{}^{xy}\hat{g} = {}^xg^k {}^y3_k \text{ complex defo}$$

$${}^{xy}\hat{B} = {}^xB + {}^xO^a {}^y2_a$$

$${}^{xy}\hat{A} = {}^xA$$

$${}^{xy}\hat{C} = {}^xA^a {}^y2_a + {}^xO^k {}^y3_k - {}^xO_k {}^y3^k$$