

Pioline

eff IIA sugra/string frame

$$x \boxed{\mathbb{R}^2 | \mathbb{Q} \mathbb{Z} | \mathcal{X} \mathcal{Z}} = \frac{x \boxed{\mathbb{R}^2}}{x \mathbb{Q}^2} + \frac{x \sqrt{d\mathbb{Q}}}{x \mathbb{Q}^4 \ell^8} - \frac{x \sqrt{d\mathbb{Z}}}{x \mathbb{Q}^2 \ell^4} - \frac{x \sqrt{d\mathcal{X}}}{\ell^6} - \frac{x \sqrt{d\mathcal{Z}}}{\ell^2} + d\mathbb{Z} \wedge d\mathcal{Z} \wedge \mathcal{Z}$$

$$(\text{IIA}) = \mathbb{R}^2 \ni \ell | \mathbb{Q}$$

$$\ell_{10} | \mathbb{Q}_{10} \in (\text{IIA}) \rightarrow (\text{M} / \mathbb{T}) \ni$$

$$\sqrt{\alpha'} = \frac{1}{\ell}$$