

$$\begin{matrix} \text{Duff} \\ \text{Sugra} \end{matrix} \begin{cases} D10 \\ N1 \end{cases}$$

$$\mathbb{R}^{1:9}\ni x^0..x^9$$

$$\mathcal{K}^+ = \not{x}_{M_0\cdots M_k} \underline{x}^{M_0} \wedge \cdots \wedge \underline{x}^{M_k}$$

$$\mathcal{L}^k\left(g:\phi;\mathcal{K}^+\right)=\sqrt{-g}\left(R-\frac{1}{2}\overset{2}{\phi}-\frac{1}{(k+2)!2}\overset{2}{\mathcal{K}^+}\mathfrak{e}^{-\alpha\phi}\right)$$

$$\alpha=\left(-1\right)^k\frac{k-3}{2}$$

$${}^{t:x}\mathbb{k}_+=\mathbb{k}_+^0\cdots \mathbb{k}_+^9$$

$$\mathcal{L}_k^{g:\phi:\mathcal{K}^+}\left(\gamma:\mathbb{k}_+\right)=\frac{1}{2}\sqrt{-\gamma}\left(k-1-\gamma^{ij}\Big(\mathbb{k}^+\ltimes g\Big)_{ij}\exp\left(-\sqrt{\frac{1-k}{1+k}+\frac{1}{d-1}}\phi\right)\right)-\mathbb{k}_+\ltimes\mathcal{K}^+$$

$$p=1{:}q=5\Rightarrow\alpha=1$$

$$\mathcal{L}^k\left(g:\phi;\mathscr{Z}\right)=\sqrt{-g}\left(R-\frac{1}{2}\overset{2}{\phi}-\frac{1}{3!2}\overset{2}{\mathscr{Z}}\mathfrak{e}^{-\phi}\right)$$

$$\mathcal{L}^k\left(g:\phi;\mathscr{B}\right)=\sqrt{-g}\left(R-\frac{1}{2}\overset{2}{\phi}-\frac{1}{7!2}\overset{2}{\mathscr{B}}\mathfrak{e}^{\phi}\right)$$