circle comp

Pioline

$$+\frac{10}{\mathbb{T}} = +9\times\mathbb{T}$$

$$x^{\not{k}}\, y^{1}$$

$$^{x}\!\not{0} \;=\; \text{fluctuating radius of compactification}$$

$$^{x}\!\not{1} \;=\; \text{KK gauge field from isometry along } {}^{x}\mathbb{T}$$

$$\underline{xy}\,{}^{xy}_{+}\!\not{k}\;\underline{\overset{+}{x}y} = \underline{x}\;{}^{x}\!\not{k}\;\underline{\overset{+}{x}} + \overbrace{\underline{y}+\underline{x}\,{}^{x}\!\not{1}}^{+}\;{}^{x}\!\not{0}^{2}\;\overbrace{\underline{y}+\underline{x}\,{}^{x}\!\not{1}} = \begin{bmatrix}\underline{x} & \underline{y}\end{bmatrix}\left.\frac{{}^{x}\!\not{k}+{}^{x}\!\not{1}\,{}^{x}\!\not{0}^{2}\,{}^{x}\!\overset{+}{\not{1}}}{{}^{x}\!\not{0}^{2}\,{}^{x}\!\overset{+}{\not{1}}}\right|\frac{{}^{x}\!\not{1}\,{}^{x}\!\not{0}^{2}}{{}^{x}\!\not{0}^{2}}\;\begin{bmatrix}\underline{\overset{+}{x}}\\ \underline{y}\end{bmatrix}$$

$${}^{xy}\!\not{3} = {}^{x}\!\not{3} + {}^{x}\!\not{2}\wedge\underline{y}$$

$${}^{xy}\boxed{{}_{+}\!\not{k}} = {}^{x}\boxed{\not{k}} + \frac{{}^{x}\overbrace{d\,{}^{x}\!\not{0}}^{2}}{{}^{x}\!\not{0}^{2}} + {}^{x}\!\not{0}^{2}\;{}^{x}\overbrace{d\not{1}}^{2}$$

$${}^{xy}\overbrace{d\not{3}}^{2} = {}^{x}\overbrace{d\not{3}}^{2} + \frac{{}^{x}\overbrace{d\not{2}}^{2}}{{}^{x}\!\not{0}^{2}}$$

$${}^{x}\begin{cases}\not{k}\,\not{0}\,\not{1}\\ \not{2}\,\not{3}\end{cases} = \frac{{}^{x}\!\not{0}\;{}^{x}\boxed{k}}{\ell^{9}} + \frac{\overbrace{d\,{}^{x}\!\not{0}}^{2}}{{}^{x}\!\not{0}\,\ell^{9}} + \frac{{}^{x}\!\not{0}^{3}\overbrace{d\not{1}}^{2}}{\ell^{9}} + \frac{{}^{x}\!\not{0}\,\overbrace{d\not{3}}^{2}}{\ell^{3}} + \frac{\overbrace{d\not{2}}^{2}}{{}^{x}\!\not{0}\,\ell^{3}} + \not{2}\wedge d\not{3}\wedge d\not{3}$$

$$(M/\mathbb{T}) = \mathbb{R}^{2}_{>} \ni \ell\,|\,\not{0}$$

$$\ell_{11}\,|\,\not{0}_{11} \in (M/\mathbb{T}) \to (\text{ IIA }) \ni \frac{\ell_{11}^{3/2}}{\not{0}_{11}^{1/2}}\,\Big|\,\frac{\not{0}_{11}^{3/2}}{\ell_{11}^{3/2}} = \ell_{10}\,|\,\not{0}_{10}$$

$$\underline{xy}\frac{{}^{xy}_{+}\!\not{k}}{\ell_{11}^{2}}\,\underline{\overset{+}{x}y} = {}^{x}\!\not{0}^{-2/3}\;\underline{x}\,\frac{{}^{x}\!\not{k}}{\ell_{10}^{2}}\,\underline{\overset{+}{x}} + \overbrace{\underline{y}+\underline{x}\,{}^{x}\!\not{1}}^{+}\;{}^{x}\!\not{0}^{4/3}\;\overbrace{\underline{y}+\underline{x}\,{}^{x}\!\not{1}}$$

$$\mathfrak{e}^{-2\phi/3}\,\underline{xt}^{2} + \left(\mathfrak{e}^{2\phi/3}\overbrace{\underline{s}+\underline{xt}\not{1}_{\mu}}\right)^{2}$$

$$\Sigma^{+2}_{+10} = \Sigma^{+1}_{+9}\times\mathbb{T}$$