

$$^z|\zeta\mathbb{L}^\mu ~=~ ^z{}_0\mathbb{L}^\mu ~+~ \bar{\zeta}~^z{}_1\mathbb{L}^\mu ~+~ \frac{1}{2}\bar{\zeta}\,\zeta\,^z{}_2\mathbb{L}^\mu$$

$$\mathbb{R}^{1,\,1|2}\,\,\,\frac{{}_0\mathbb{L}^\mu}{{}_1\mathbb{L}^\mu}\longrightarrow\mathbb{R}^{1,\,d}$$

$$\mathcal{L}\left({}_0\mathbb{L}^\mu:{}_1\mathbb{L}^\mu\right)=\partial_i{}_0\mathbb{L}^\mu\,\eta_{\mu\nu}\,\partial_j{}_0\mathbb{L}^\nu-{}_1\bar{\mathbb{L}}^\mu\,\eta_{\mu\nu}\,\Gamma^i\partial_{i\,1}\mathbb{L}^\nu$$

$$\mathcal{L}\left({}_0\mathbb{L}^\mu:{}_1\mathbb{L}^\mu\right)=\int\limits_{\mathbb{R}^{1,\,1}}^{d\sigma d\tau}\mathcal{L}\left({}_0\mathbb{L}^\mu:{}_1\mathbb{L}^\mu\right)=\int\limits_{\mathbb{R}^{1,\,1}}^{d\sigma d\tau}\partial_i{}_0\mathbb{L}^\mu\,\eta_{\mu\nu}\,\partial_j{}_0\mathbb{L}^\nu-{}_1\bar{\mathbb{L}}^\mu\,\eta_{\mu\nu}\,\Gamma^i\partial_{i\,1}\mathbb{L}^\nu$$

$$\Gamma^0=\frac{0}{i}\bigg|\frac{-i}{0}$$

$$\Gamma^1=\frac{0}{i}\bigg|\frac{i}{0}$$

$$\mathrm{cl~super\text{-}obs}$$

$${}^{\sigma}{}_{\mathbb{L}}()^\mu = {}^{\sigma}{}_0\mathbb{L}^\mu$$

$${}^{\sigma}{}_{\mathbb{L}-}()^\mu = \partial_\tau\,{}^{\sigma}{}_0\mathbb{L}^\mu$$

$${}^{\varrho}()^\mu \rtimes {}^{\sigma}{}_{-}{}^\nu = \eta^{\mu\nu} \delta\left(\varrho-\sigma\right)$$

$${}^{\sigma}{}_{\mathbb{L}}()^\mu_A = {}^{\sigma}{}_1\mathbb{L}^\mu_A$$

$${}^{\sigma}{}_{\mathbb{L}-A}()^\mu = \partial_\tau\,{}^{\sigma}{}_1\mathbb{L}^\mu_A$$

$${}^{\varrho}{}_{_A}()^\mu \rtimes {}^{\sigma}{}_{-B}{}^\nu = \eta^{\mu\nu} \delta_{AB} \delta\left(\varrho-\sigma\right)$$

$$\mathrm{super\text{-}gauge}$$

$$\varepsilon \rtimes {}_0\mathbb{L}^\mu = \bar{\varepsilon}~{}_1\mathbb{L}^\mu$$

$$\varepsilon \rtimes {}_1\mathbb{L}^\mu = \Gamma^i\partial_{i\,0}\mathbb{L}^\mu\,\varepsilon$$

$$Q_A=\frac{\partial}{\partial\bar{\zeta}^A}+\underbrace{\Gamma^i\zeta}_A\partial_i$$