

$$\mathrm{QFT}_{\Sigma}^{\mathfrak{N}\mathfrak{Q}\mathfrak{Z}} \text{ on } \Sigma$$

$$\begin{cases} \Sigma \overset{\theta}{\rightarrow} M^{10} \\ \Sigma \overset{\underline{z}}{\rightarrow} \mathcal{H}^{1:1}\left(\underline{\Sigma}\right) \end{cases}$$

$$\mathcal{L}_{2\theta}^{\mathfrak{N}\mathfrak{Q}\mathfrak{Z}}=\underline{\theta}^{\mu}\left(\theta\ltimes g_{\mu\nu}-\theta\ltimes \mathfrak{Z}_{\mu\nu}\right)\bar{\underline{\theta}}^{\nu}+\boxed{2}\theta\ltimes \mathfrak{Q}$$

$$\mathcal{L}_{2\theta}^{\mathfrak{N}\mathfrak{Q}\mathfrak{Z}}=\int\limits_{dzd\overline{z}}^{\Sigma}\mathcal{L}_{2\theta}^{\mathfrak{N}\mathfrak{Q}\mathfrak{Z}}$$

$$\left\{\begin{array}{l} \mathfrak{N} \\ \mathfrak{Q} \\ \mathfrak{Z} \end{array}\right. \text{ classic} \Leftrightarrow \bigwedge_{\Sigma} \mathrm{QFT}_{\Sigma}^{\mathfrak{N}\mathfrak{Q}\mathfrak{Z}} \text{ conformal} \Leftrightarrow \left\{\begin{array}{ll} \mathfrak{N} & \text{Ric flat} \\ d\mathfrak{Z} = 0 & \text{closed} \\ d\mathfrak{Q} = 0 & \text{const} \end{array}\right.$$

$$\mathrm{Mod}\,\left(M^{10}\right)=\frac{\mathfrak{N}\mathfrak{Q}\mathfrak{Z}}{\mathrm{classic}}$$

$$\mathcal{L}_{2:\mathfrak{Q}}^{\mathfrak{Z}:\mathcal{Z}:\mathcal{O}}=\underbrace{\partial\mathfrak{Q}}^i\underbrace{\bar{\partial}\mathfrak{Q}}^j\underbrace{\mathfrak{Q}\mathfrak{Z}-\mathfrak{Q}\mathcal{Z}}_{ij}+\boxed{2}^{\mathfrak{Q}}\mathcal{O}$$

$${}^{t:s}\mathcal{L}_{2:\mathfrak{Q}}^{\mathfrak{Z}:\mathcal{Z}:\mathcal{O}}=\underbrace{{}^{t:s}\partial\mathfrak{Q}}^i\underbrace{{}^{t:s}\bar{\partial}\mathfrak{Q}}^j\underbrace{{}^{t:s}\mathfrak{Q}\mathfrak{Z}-{}^{t:s}\mathfrak{Q}\mathcal{Z}}_{ij}+{}^{t:s}\boxed{2}{}^{t:s}\mathfrak{Q}\mathcal{O}$$