

A similar analysis can be applied to the stress-energy tensor of the CFT, $T_{\mu\nu}$. Its conjugate field must be a spin-2 field which is invariant under gauge transformations: it is natural to identify this with the change in metric of the bulk theory. We write $\delta g_{\mu\nu} = (L^2/r^2)\chi_{\mu\nu}$, and then the bulk-boundary correspondence is now given by

$$\langle T_{\mu\nu}(\boldsymbol{x}_1) \dots T_{\rho\sigma}(\boldsymbol{x}_n) \rangle_{\text{CFT}} = \left(\frac{Z L^2}{\kappa^2} \right)^n \lim_{r \rightarrow 0} r_1^{-D} \dots r_n^{-D} \langle \chi_{\mu\nu}(\boldsymbol{x}_1, r_1) \dots \chi_{\rho\sigma}(\boldsymbol{x}_n, r_n) \rangle_{\text{bulk}} ,$$

with $Z = D$.