

$$\frac{G_{\text{ferm}}^{[h]}(\epsilon_+)}{\eta^2} = \left\langle e^{-\epsilon_+ \int (\chi_4 \chi_5 - \bar{\chi}_4 \bar{\chi}_5) \bar{\partial} X} \right\rangle_{h,g} = \frac{\theta^{[1+h]}_{[1-g]}(\check{\epsilon}_+; \tau) \theta^{[1-h]}_{[1-g]}(\check{\epsilon}_+; \tau)}{e^{\frac{\pi}{\tau_2} \check{\epsilon}_+^2}}$$