

$$T_2(Z_0, Z'_0) = \frac{1}{16\tau\pi^3(1-\tau^2)} \frac{n}{1-\cos(\eta_0-\eta'_0)} \frac{1}{|\sinh(\xi_\tau+i\eta_0)\sinh(\xi_\tau-i\eta'_0)|} \left(1+\mathcal{O}\left(\frac{1}{n}\right)\right).$$