

$$\Delta_{E_7} = -\frac{1}{12} \int_{\mathcal{F}} d\mu \, \Gamma_{(2,10)} \frac{\hat{E}_2 E_6 - E_4^2}{\Delta} = \sum_{BPS} \left[ 1 + \frac{P_R^2}{4} \log \left( \frac{P_R^2}{P_L^2} \right) - \frac{2}{P_L^2} - \frac{8}{3 P_L^4} - \frac{16}{3 P_L^6} - \frac{64}{5 P_L^8} \right]$$