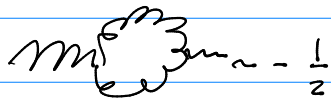
QFT

Exercise session.



$$= -\frac{1}{2}\mu^{\varepsilon}\int\frac{d^{d}q}{(2\pi)^{d}}\,q^{2}\,C_{\alpha\beta\gamma}\,C_{\alpha'\beta'\gamma'}$$

$$\times\Big[-2p_{3}\eta_{\mu\nu}+(p+2q)_{\mu}\eta_{3\nu}+2p_{\nu}\eta_{3\mu}\Big]$$

$$\times\frac{\eta^{\nu\nu'}\,\delta^{\beta\beta'}}{(p+q)^{2}}\Big[-2p_{3'}\eta_{\mu'\nu'}+(p+2q)_{\mu'}\eta_{3'\nu'}+2p_{\nu'}\eta_{3'\mu'}\Big]\frac{\eta^{33'}\delta^{\gamma\gamma'}}{q^{2}}$$