

$$\Delta^{\mu\nu} D q_\nu = - \frac{1}{\tau_q} \left( q^\mu - \kappa \nabla^\mu \frac{\mu_B}{T} \right) - \frac{\delta_{qqq}}{\tau_q} q^\mu \theta - \frac{\lambda_{qqq}}{\tau_q} q_\nu \sigma^{\mu\nu}$$