

$$\Sigma^k =$$

Diagram illustrating the self-energy Σ^k as a sum of three terms:

- Term 1: A fermion line with incoming momentum $k;1$ and outgoing momentum $k;2$, with a fermion loop attached via a wavy line.
- Term 2: A fermion line with incoming momentum $k;1$ and outgoing momentum $k;2$, with a fermion loop attached via a wavy line.
- Term 3: A fermion line with incoming momentum $k;1$ and outgoing momentum $k;2$, with a self-energy loop attached. The loop consists of a diamond-shaped box labeled Γ^0 and a rectangular box labeled $F_{\partial c 23}^{q k k'}$.