

$$\Sigma^k =$$

The diagram illustrates the self-energy  $\Sigma^k$  as a sum of three contributions:

- First term:** A horizontal line with two arrows labeled  $k;1$  and  $k;2$ . A wavy line loop is attached to the line, labeled  $\mathcal{U}_{1234}^{q=0}$ .
- Second term:** A horizontal line with two arrows labeled  $k;1$  and  $k;2$ . A cloud-like loop is attached to the line, labeled  $\mathcal{U}_{1432}^q$ .
- Third term:** A horizontal line with two arrows labeled  $k;1$  and  $k;2$ . A diamond-shaped loop is attached to the line, labeled  $\Gamma^0$ . A rectangular loop is also attached to the line, labeled  $\mathbb{F}_{\partial c 23}^{qkk'}$ .