

Diagrammatic equation showing the decomposition of a tree-level amplitude into a sum over a set $\underline{\mathcal{C}}$.

The left side shows a tree diagram with three external legs labeled i^a , j^b , and k^c at the top. These legs meet at a vertex labeled m^e . From this vertex, a single leg labeled l^d extends downwards.

The right side shows a similar tree diagram, but the internal vertex is labeled n^f . The external legs are still i^a , j^b , and k^c , and the bottom leg is l^d .

The equation is expressed as:

$$= \sum_{n^e \in \underline{\mathcal{C}}} [\mathcal{F}_{l^d}^{i^a j^b k^c}]_{m^e n^f}$$