

Diagrammatic equation showing the expansion of a self-energy loop (represented by a circle) into a series of diagrams involving multiple interactions (represented by dots) and a summation term labeled Σ^* .

$$\begin{aligned}
 & \text{Diagram 1} \equiv \text{Diagram 2} + \text{Diagram 3} + \text{Diagram 4} + \dots \\
 & \quad + \text{Diagram 5} \quad \Sigma^*
 \end{aligned}$$