

$$\Sigma_{12} = \delta_{12} \left(\text{Diagram 1} \right) + \text{Diagram 2} + \text{Diagram 3} + \text{Diagram 4} + \dots$$

The image shows a series of Feynman diagrams representing a perturbative expansion. The first term is δ_{12} multiplied by a diagram consisting of a horizontal line with a vertex labeled 2, from which a vertical wavy line extends upwards to a loop, with the label 3 next to the wavy line. This is followed by a plus sign and a diagram with a horizontal line between vertices 1 and 2, with a wavy loop above it. Another plus sign follows, then a diagram with a horizontal line between vertices 1 and 2, a wavy line from vertex 1 to a vertex labeled 3, a loop between 3 and a vertex labeled 4, and another wavy line from vertex 4 to vertex 2. This is followed by a plus sign and a diagram with a horizontal line between vertices 1 and 2, with three wavy lines forming a chain between them, labeled 1, 4, 3, and 2 from left to right. The sequence ends with a plus sign and an ellipsis.