

The diagram illustrates a mathematical identity between three Feynman diagrams. On the left, a circle labeled T is connected to four external lines: two solid lines with arrows pointing right, and two dashed lines with arrows pointing away from the circle. This is followed by an equals sign. The first term on the right shows a vertex labeled V connected to four external lines: two solid lines with arrows pointing right, and two dashed lines with arrows pointing away from the vertex. The second term, separated by a plus sign, shows a vertex labeled V connected to three external lines (two solid with right-pointing arrows, one dashed with an arrow pointing away), and a circle labeled T connected to two external lines (one solid with a right-pointing arrow, one dashed with an arrow pointing away). A dashed line with an arrow pointing right connects the V vertex to the T circle.

$$\text{Diagram 1} = \text{Diagram 2} + \text{Diagram 3}$$