

A Feynman diagram illustrating the Dyson equation for a propagator V . The diagram is an equation: V followed by a wavy line, then a white circle, then another wavy line, then V , followed by an equals sign. To the right of the equals sign is a sum of terms. The first term is a wavy line, then a green circle, then a wavy line. This is followed by a plus sign, then another wavy line, then a green circle, then a wavy line, then a second green circle, then a wavy line. This is followed by another plus sign and three dots, indicating an infinite series.

$$V \text{---} \text{---} \bigcirc \text{---} \text{---} V = \text{---} \text{---} \textcolor{green}{\bigcirc} \text{---} \text{---} + \text{---} \text{---} \textcolor{green}{\bigcirc} \text{---} \text{---} \textcolor{green}{\bigcirc} \text{---} \text{---} + \dots$$