

$$\mathcal{A}_{\text{EFT}} = \text{[Tree-level diagram]} + \text{[One-loop diagram]} + \text{[Two-loop diagram]} + \text{[Three-loop diagram]} + \dots$$

The image shows a series of Feynman diagrams representing the effective action  $\mathcal{A}_{\text{EFT}}$ . The diagrams are arranged in a sequence separated by plus signs, indicating a perturbative expansion. 
   
 - The first diagram is a tree-level interaction: a central black vertex connected to two external blue lines (top-left and top-right) and two external red lines (bottom-left and bottom-right).
   
 - The second diagram is a one-loop correction: the same central vertex, but the blue lines are connected by a blue loop and the red lines by a red loop.
   
 - The third diagram is a two-loop correction: the blue lines are connected by two blue loops, and the red lines by two red loops.
   
 - The fourth diagram is a three-loop correction: the blue lines are connected by three blue loops, and the red lines by three red loops.
   
 - The sequence ends with an ellipsis ( $\dots$ ), indicating higher-order terms in the expansion.