

$$\mathcal{A}_{\text{EFT}} =$$

The image shows a series of Feynman diagrams representing the effective action \mathcal{A}_{EFT} . The diagrams are arranged in a horizontal sequence, separated by plus signs and an ellipsis. Each diagram consists of black vertices connected by blue and red lines. Blue lines represent fermions, and red lines represent fermions. The first diagram is a tree-level vertex with two blue incoming lines and two red outgoing lines. The second diagram is a one-loop correction with a blue fermion loop and a red fermion loop. The third diagram is a two-loop correction with two blue fermion loops and a red fermion loop. The fourth diagram is a three-loop correction with three blue fermion loops and a red fermion loop. The series continues with an ellipsis.