

$$\partial_t \frac{\partial^2 V}{\partial^2 \chi} =$$

The image shows two Feynman diagrams representing the time derivative of the second derivative of the potential,  $\partial_t \frac{\partial^2 V}{\partial^2 \chi}$ . The first diagram on the left consists of a vertical line on the left that splits into two diagonal lines meeting at a vertex. From this vertex, two wavy lines extend to the right, each ending at a vertex. These two vertices are connected by a diagonal line. The top wavy line has an arrow pointing right and is labeled  $q$ . The bottom wavy line has an arrow pointing left and is labeled  $q$ . The diagonal line connecting the two vertices has an arrow pointing right and is labeled  $q$ . The rightmost vertex is a circle with a cross inside. The second diagram on the right shows a vertical line on the left that splits into two diagonal lines meeting at a vertex. From this vertex, two wavy lines extend to the right, forming a loop. The top wavy line has an arrow pointing right and is labeled  $q$ . The bottom wavy line has an arrow pointing left and is labeled  $q$ . The rightmost vertex is a circle with a cross inside. A plus sign is placed between the two diagrams.