

# an example gauge set

$$\partial_{III} = \text{diagram of a gauge set element}$$

A diagram representing a gauge set element. It consists of a horizontal line with arrows at both ends pointing outwards. In the center of the line is a small circle. Below the line, there are three U-shaped loops, each connected to the line by a vertical line. The first loop is on the left, the second is in the middle, and the third is on the right.

$$= \left\{ \begin{array}{c} \text{diagram 1} \\ \text{diagram 2} \\ \text{diagram 3} \end{array} \right\} - \text{diagram 4} \left\{ \begin{array}{c} \text{diagram 5} \\ \text{diagram 6} \\ \text{diagram 7} \end{array} \right\}$$

A diagram representing a gauge set element, which is the difference of two sets of diagrams. The first set is enclosed in a large left-facing curly bracket and contains three diagrams, each consisting of a horizontal line with arrows at both ends and a U-shaped loop below it. The second set is enclosed in a large right-facing curly bracket and contains three diagrams, each consisting of a horizontal line with arrows at both ends and a U-shaped loop below it. A minus sign is placed between the two sets. In the center of the minus sign is a small circle, and below it is a horizontal line.