

$$\begin{array}{c} G_1^{\hbar} \\ G_2^{\hbar} \end{array} \times = e^{-i\pi\hbar/2} \begin{array}{c} G_Z^{\hbar} \end{array} + e^{i\pi\hbar/2} \begin{array}{c} \tilde{G}_Z^{\hbar} \end{array}$$

The diagram illustrates an identity in a topological quantum field theory or string theory context. On the left, two lines labeled  $G_1^{\hbar}$  and  $G_2^{\hbar}$  cross each other. This is equated to a sum of two terms. The first term is  $e^{-i\pi\hbar/2}$  multiplied by a diagram consisting of two parallel arcs, labeled  $G_Z^{\hbar}$ . The second term is  $e^{i\pi\hbar/2}$  multiplied by a diagram consisting of two parallel arcs, labeled  $\tilde{G}_Z^{\hbar}$ .