

The helicity-flow method (11+3)

Thursday 3 October 2019 09:56 (14 minutes)

It is well-known that the spinor-helicity method can significantly simplify the calculations of both Feynman diagrams and scattering amplitudes. In this work, we attempt to further simplify the Feynman-diagram calculation by converting the spinor-helicity method into a flow method, analogous to allowing a one-line journey from Feynman diagram to inner products. The cases of massless QED and QCD will be discussed.

Author: LIFSON, Andrew (Lund University)

Co-authors: Dr REUSCHLE, Christian (Lund University); SJODAHL, Malin (Lund University)

Presenter: LIFSON, Andrew (Lund University)

Session Classification: Thu morning session 1