

Calculating one loop multileg processes. A program for the case of $gg \rightarrow t\bar{t} + gg$

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Processes with more than 5 legs are added to experimentalists' wish list for a long time now. This study is targeted to the NLO qcd corrections of such processes in the LHC. Many Feynman diagrams are contributing, including those with five- and six-point functions.

A Fortran code for the numerical calculation of one-loop corrections for the process $gg \rightarrow t\bar{t} + gg$ is reviewed.

A variety of tools like Diana, Form, Maple, Fortran are used in combination.

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