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Numerical Evaluation of Feynman Integrals by a Direct Computation Method

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We apply a 'Direct Computation Method', which is purely numerical, to evaluate
Feynman integrals. This method is based on the combination of an efficient
numerical integration and an efficient extrapolation strategy. In addition,
high-precision arithmetic and parallelization techniques can be used if required.
We present our recent progress in the development of this method and show test
results such as for one-loop 5-point and two-loop 3-point integrals.

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