

One-loop tensor Feynman integral reduction with signed minors

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The algebraic tensor reduction of one-loop Feynman integrals with signed minors has been further developed. There is now available the C++ package PJFry by V. Yundin for the reduction of 5-point 1-loop tensor integrals up to rank 5. Special care is devoted to vanishing or small Gram determinants. Further, we derived extremely compact expressions for the contractions of the tensor integrals with external momenta. They are based on sums over signed minors weighted with scalar products of the external momenta.

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