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Numerical techniques for 2- and 3-loop integrals

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There are currently no analytical techniques for computing multi-loop integrals with an arbitrary number of different massive propagators. On the other hand, the challenge for numerical methods is to ensure sufficient accuracy and precision of the results. This contribution will give a brief overview on numerical approaches based on differential equations, dispersion relations and Mellin-Barnes relations. Some recent developments and applications will be highlighted.

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