

Frontiers of Analytic Multi-loop Feynman Integrals

With the development on canonical differential equation, integral basis with uniformal transcendental weights, computational algebraic geometry method, the era of analytic computations of multi-loop multi-leg multi-scale Feynman integrals is coming. We analytically computed all 2loop 6point planar massless Feynman integrals. This is a mile stone of analytic feynman integral computation. The complete 3loop 5point integrals' analytic results are also coming soon.

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