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Mastering One-loop Feynman Integrals with Package-X

Tuesday 10 May 2016 17:00 (15 minutes)

Package-X is a Mathematica package designed to analytically compute dimensionally regularized one-loop Feynman Integrals. In this talk I will showcase many new features in the upcoming update, Package-X 2.0. Among them are (1) the ability to handle *four* propagator factors, (2) test for *power* infrared divergences, (3) construct Taylor series expansions, and many *many* more.

For more information, see http://packagex.hepforge.org/version2public/version2public.html .

Summary

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