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## From dimensional regularization to NLO computations in four dimensions

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Loop-tree (LT) duality allows to express virtual contributions in terms of phase-space integrals, thus leading to a direct comparison with real radiation terms. In this talk, we review the basis of the method and describe its application to regularize Feynman integrals. Performing an integrand-level combination of real and virtual terms, we show that it is possible to recover physical results by simply taking the four-dimensional limit of some D-dimensional expressions. Moreover, this method provides a natural physical interpretation of infrared singularities, their origin and the way that they cancel in the complete computation.

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