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Local Analytic Sector Subtraction: a Numerical Implementation

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Within the framework of the Local Analytic Sector Subtraction we briefly present the method for removing infrared singularities at Next-to-Leading Order (NLO) in QCD for processes involving massless coloured particles either in the initial or in the final state. We present an extension of Local Analytic Sector Subtraction to the case involving massive emitter. This process also allows us to test the efficiency and stability of our numerical implementation, and, in this sense, a comparison with other existing tools has been performed.

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