

Four-loop cusp anomalous dimension with heavy quarks

I present calculations of the cusp anomalous dimension with heavy-quark lines at four loops in QCD. I combine partial exact and conjectured analytical expressions with approximate terms that are based on the asymptotic behavior of the cusp anomalous dimension at small and large heavy-quark speeds to produce the newest estimate. Detailed comparisons are made with previous approximate results that highlight the robustness of the calculational approach.

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