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Amplitudes in the Multi-Regge Limit of N=4 SYM

A novel way of computing high-order amplitudes in the multi-Regge limit of planar maximally supersymmetric Yang-Mills theory is presented. In this framework, we are able to obtain high-loop and high-leg results by an easy operation on known lower-loop and lower-leg amplitudes. This mechanism will be reviewed, along with an ensuing factorisation which allows us to determine leading logarithmic MHV results for any number of legs at a fixed loop order.

Primary author: VERBEEK, Bram (UCLouvain)