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Discontinuities of multi-Regge amplitudes in the next-to-leading order

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Calculation of s-channel discontinuities of multi-Regge amplitudes in the next-to-leading logarithmic approximation in the BFKL approach is discussed. The discontinuity of the two-to-four amplitude in the invariant mass of two produced gluons is calculated explicitly in the planar N=4 SYM and compared with the result obtained using the two-loop 6-point remainder function derived as the expectation value of the Wilson loop.

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