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Erratum: Two-loop helicity amplitudes for quark-gluon scattering in QCD and gluino-gluon scattering in supersymmetric Yang-Mills theory

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Two formulas for one-loop amplitudes were incorrect. Eq. (3.7) should be replaced by

$$M_2^{(1),[2]}(s,t,u) = \frac{t}{u}\Big(N\, A^L(1_q^+,2_{\bar q}^-,4_g^+,3_g^-) - \frac{1}{N}\, A^R(1_q^+,2_{\bar q}^-,4_g^+,3_g^-) + \\ + N_f\, A^{L,[1/2]}(1_q^+,2_{\bar q}^-,4_g^+,3_g^-)\Big) - \frac{b_0}{\epsilon} M_2^{(0),[2]}\,.$$

Eq. (3.8) should be replaced by

$$M_1^{(1),[3]}(s,t,u) = A^L(1_q^+,2_{\bar q}^-,3_g^+,4_g^+) + A^R(1_q^+,2_{\bar q}^-,3_g^+,4_g^+) - \frac{t}{u}\, A^L(1_q^+,2_{\bar q}^-,4_g^+,3_g^+) - \\ - \frac{t}{u}\, A^R(1_q^+,2_{\bar q}^-,4_g^+,3_g^+) \\ = 0\,,$$

where the vanishing follows from a supersymmetry identity. These errors did not propagate into any further results in the paper; in particular, the formulas for the one-loop finite remainders and the two-loop amplitudes are unaffected.

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