

**Erratum: Analytic Form of the Two-Loop Planar
Five-Gluon All-Plus-Helicity Amplitude in QCD
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Equation (9) of our original Letter published contains a misprint. The corrected equation is

$$F_5^{(2)} = \frac{5\pi^2}{12} F_5^{(1)} + \sum_{i=0}^4 \sigma^i \left\{ \frac{v_5 \text{tr}[(1 - \gamma_5) \not{p}_4 \not{p}_5 \not{p}_1 \not{p}_2]}{(v_2 + v_3 - v_5)} I_{23,5} + \frac{1}{6} \frac{\text{tr}[(1 + \gamma_5) \not{p}_4 \not{p}_5 \not{p}_1 \not{p}_2]^2}{v_1 v_4} + \frac{10}{3} v_1 v_2 + \frac{2}{3} v_1 v_3 \right\}. \quad (1)$$

This is in agreement with Ref. 1. This misprint does not affect any of the central results of our original Letter.

[1] D. C. Dunbar and W. B. Perkins, [arXiv:1603.07514](https://arxiv.org/abs/1603.07514).