Erratum

Two-jet cross section in $e^+ e^-$ annihilation

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1. A finite integral involved in the calculation of the ladderdiagram (Fig. 3m) was introduced with the wrong normalization. Therefore the term $100 \zeta_3 \epsilon^4$ in the result (3.5) for the ladder diagram has to be replaced by $46 \zeta_3 \epsilon^4$. Correspondingly in the overall result of the virtual integrals, Eq. (3.13) one has to replace the term $42 \zeta_3 C_F$ by $15 \zeta_3 C_F$. It is then immediately clear, what the consequences for Eqs. (7.3), (7.9) and (8.20) are.

The effect on the cross sections represented in

Fig. 9 and 10 is very small, since $27 \zeta_3 C_{F^2} \left(\frac{\alpha_s}{2\pi} \right)^2 < 0.05$ for the values of α_s which were considered.

2. In the N_c -part of Eq. (3.13) one should replace $-4025/81$ by $-64399/1296$, a discrepancy of $-1/1296$ which is due to a rounding error in our Schoonship program and in negligible numerically.

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