

18.06.2004

The following terms in the analytical expressions for master integrals do not agree with the corresponding expressions in our file `MasterBhabha.m`:

1. SE3l1m – the 2-loop self-energy term C_{-1}/a given in (85) of [3]
2. SE3l2mN – the 2-loop self-energy SE3l2m with numerator $(k_1 k_2)$, term B_{-1}/a^2 given in (80) of [3]; corresponds to SE3l2md
3. V4l3md – the 2-loop vertex term aL_0 given in (121) of [3]
4. V4l4m – the 2-loop vertex term M_0 given in (128) of [3]
5. V4l4mN – the 2-loop vertex V4l4m with numerator $(p_2 k_1)$, term N_0/a given in (131) of [3]
6. V6l4m1 – the 2-loop vertex term $a^2 R_0$ given in (144) of [3]
7. B4l2m – the 1-loop box diagram terms $m^4 B^{(0)}$ and $m^4 B^{(1)}$ given in (B.9) and (B.10) of [9]
(Added 25.06.2004: (B.10) of [9] is correct)
8. B5l4m – the 2-loop box diagram term $m^2 F_1^{(0)}$ given in (36) of [9]
9. B5l4mN – the double box B5l4m with numerator $(p_3 k_2)$, term $F_2^{(-1)}$ given in (38) of [9]
(Added 25.06.2004: (39) of [9] contains typos)

25.06.2004: Note added

After a contact with Roberto Bonciani and Andrea Ferroglia we understand that our disagreement with the published analytical results is due to typos in [9] and [3]. One of the observed disagreements – (B.10) in 7. – was fictitious (we had a normalization mismatch).