

Corrections for “Two-component spinor techniques and Feynman rules for quantum field theory and supersymmetry”, v3, by Herbi K. Dreiner, Howard E. Haber and Stephen P. Martin.

The following is a list of known corrections to arXiv:0812.1594 [hep-ph] v3, which appeared on October 13, 2009. If you have one of the other versions, please refer instead to the list of corrections available at

<http://www.niu.edu/spmartin/spinors>

This list was last updated May 12, 2015. Please send any further corrections or suggestions to: dreiner@th.physik.uni-bonn.de or haber@scipp.ucsc.edu or spmartin@niu.edu.

We note the following corrections to version 3:

- page 41, line after eq. (4.3.2). The text “and $\hat{Y}_{Ijk} = (\hat{Y}^{IkJk})$ ” should be removed.
- page 47, Figure 4.3.4(d): Replace $-i(G_2)^{ij}\bar{\sigma}_{\mu\alpha\dot{\beta}}$ with $-i(G_2)^{ij}\sigma_{\mu\alpha\dot{\beta}}$. That is, remove the bar from the sigma matrix with lowered undotted and dotted indices.
- page 149, eq. (6.26.56). There is a missing end bracket (part of a commutator) in the middle expression, which should read:

$$i \langle p, q | [P^\mu, J_{A\mu}(0)] | 0 \rangle$$

- page 158, equation (B.1.2): For $\delta^{\dot{\alpha}\dot{\beta}}$, substitute $\delta^{\dot{\alpha}}_{\dot{\beta}}$. Also, the remark about this set being a Kronecker product should be ignored; this will be corrected and clarified in a future arXiv version (v6).
- page 160, equation (B.1.31): Both of the σ 's on the right side should have bars.
- page 160, footnote 85: Change “Appendix B” to “Appendix A”. (Here, the Appendix being referred to is in Bailin’s book reference [68].)
- page 183, line after equation (D.4.9): “If follows” should be “It follows”.
- page 198, equation (G.1.60): The subscript M is missing from the fourth Ψ from the left.
- page 263, equation (J.2.20): The subscripts j on each side of the equation should be J .
- page 269, Figure K.1.1 caption: This should say that “The repeated index i is not summed.” (Not j .)
- page 270, Figure K.1.2 caption: This should say that “The repeated index j is not summed.”