

**Erratum: Gilbert damping factor of heavy-quark spin polarization
in the magnetic field
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We have corrected and clarified several errors in the content and citations from our paper. These corrections do not affect our conclusions, but they prevent misunderstandings of the paper's content. Therefore, we provide clarification here.

First, we have corrected the citation of the relation after Eq. (18):

$$\text{Im}\langle[A^-, S^+]\rangle = 0. \quad (1)$$

The original form of this content appeared in [1], and we have now amended it accordingly.

Second, we have removed the content in Appendix C, which was largely a restatement of material from paper [1]. The relevant sections have also been modified to directly cite that paper. The detailed process can be directly referenced in that paper.

- [1] E. Barati, Spin relaxation in magnetic nanostructures, Ph.D. thesis, Institute of Physical Chemistry, Polish Academy of Sciences, 2014, <https://rcin.org.pl/dlibra/publication/78370/edition/58139>.