



# Correction to: Experimental Gravitation

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**Correction to:**  
**F. Ricci and M. Bassan, *Experimental Gravitation*, Lecture Notes in Physics 998, <https://doi.org/10.1007/978-3-030-95596-0>**

In original version of the book, the following belated corrections received from the author have been incorporated in respective chapters and Appendix at backmatter.

Chapter 2

Equation 2.27 has been removed and remaining equations are renumbered

Figure 2.8 has been replaced with revised figure

Chapter 7

In Equation 7.20 “(TT)” has been removed from equation

In page 161 the in line equation modified  $(10^{11} - 10^{15} \text{ T})$  to  $(10^7 - 10^{11} \text{ T})$

Chapter 9

In Page 215, few lines has been replaced with updated as in below:

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The updated versions of these chapters can be found at

[https://doi.org/10.1007/978-3-030-95596-0\\_1](https://doi.org/10.1007/978-3-030-95596-0_1),

[https://doi.org/10.1007/978-3-030-95596-0\\_2](https://doi.org/10.1007/978-3-030-95596-0_2),

[https://doi.org/10.1007/978-3-030-95596-0\\_3](https://doi.org/10.1007/978-3-030-95596-0_3),

[https://doi.org/10.1007/978-3-030-95596-0\\_4](https://doi.org/10.1007/978-3-030-95596-0_4),

[https://doi.org/10.1007/978-3-030-95596-0\\_5](https://doi.org/10.1007/978-3-030-95596-0_5),

[https://doi.org/10.1007/978-3-030-95596-0\\_7](https://doi.org/10.1007/978-3-030-95596-0_7),

[https://doi.org/10.1007/978-3-030-95596-0\\_9](https://doi.org/10.1007/978-3-030-95596-0_9),

[https://doi.org/10.1007/978-3-030-95596-0\\_12](https://doi.org/10.1007/978-3-030-95596-0_12)

From

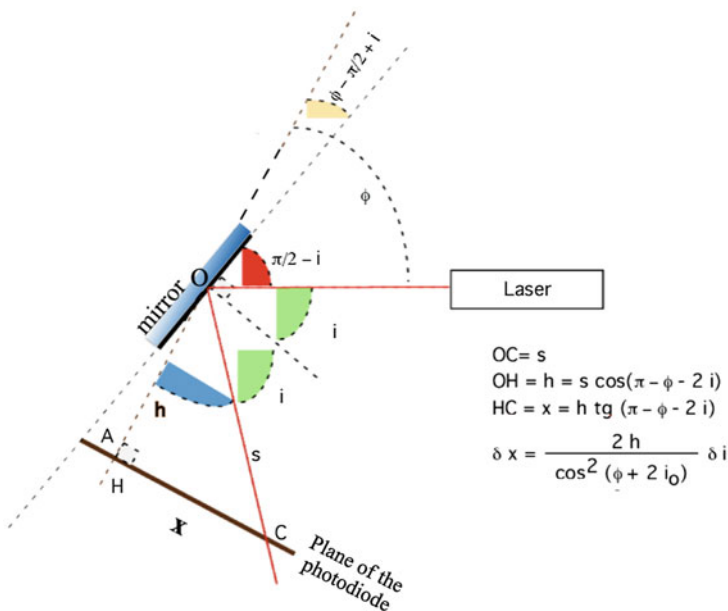
“In the DL case this difference may be due to different values of the curvature radii of the mirrors of the two cavities while in the FP interferometer, different values of finesse in the two FP cavities, or due to differences in either the radius of curvature or the reflectivity of the mirrors, so one can place even more demanding conditions on the reduction of frequency noise of laser light.”

To

“This difference is due, in both cases, to asymmetries in the practical implementation of the two arms: unequal curvature radii for the DL, unequal finesse (that depends on both the curvature radius and the reflectivity of the mirrors) in the case of the FP cavities. This asymmetry places even more demanding conditions on the reduction of frequency noise of laser light.” In page 218 line has been removed “Although an entire chapter of this text is devoted to it”

In addition, some minor corrections have been made throughout the book that does not change the basic facts. The correction chapters and the book has been updated with the changes.

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**Fig. 2.8** The method of the optical lever