

**Erratum: Pseudoplane-wave gravitational calibrator
for gravitational wave observatories
[Phys. Rev. D **107**, 062003 (2023)]**

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(Received 15 June 2026; published 10 July 2026)

DOI: [10.1103/8c9g-d3m4](https://doi.org/10.1103/8c9g-d3m4)

We report an error in Fig. 2 and the accompanying paragraph describing the rotor array geometry. The indicated rotation directions did not match the calculations presented in the rest of the paper. The incorrect rotation directions produce an acceleration that is one third the strength of the correct directions described below. This error only affects the figure and geometry description as the calculations and subsequent results were done with the correct rotation directions.

The third paragraph of Sec. II should read: “The relative phases of the rotors and the rotation directions are set to achieve a pseudo-plane-wave nature. The rotors with positive x coordinates are rotated by 90° relative to the rotors with negative x coordinates. Additionally, the rotors with matching x - and y -coordinate signs (i.e., both positive or both negative) rotate

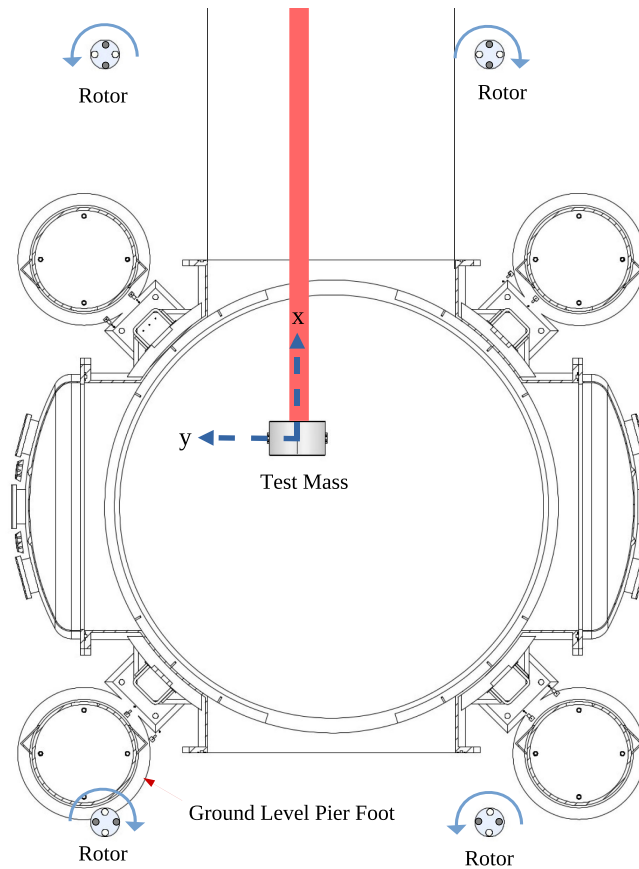


FIG. 2. Rendering of the geometry of the rotor array around the LIGO end-station vacuum chamber with the corresponding test mass at the center of our coordinate system and the observatory’s main interferometer beam schematically shown in red. The overlapping ground level pier foot is far below the plane of the rotors and test mass. The rotation directions of the top two rotors have been corrected to match the calculation presented in the paper.

counterclockwise while those with mismatched signs rotate clockwise. These choices cause the applied acceleration to be purely in the x direction with no net torques.”

The authors greatly appreciate Dana Jones for the detailed follow up analysis that found this mistake.