

**Erratum: Solution of the inverse problem in spherical gravitational wave detectors using
a model with independent bars
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When the spherical detector is coupled to a set of six transducers we obtain a system as shown in Eq. (11). In this case, in order to solve this system of equations, it is necessary to relax the trace-free condition imposed in Eqs. (3) and (5) as we see in the equation below:

$$D_{ij} = (\mathbf{n} \otimes \mathbf{n})_{ij}.$$

The general form of the transducer tensor allows us to invert the system of equations (11) without the need of assuming a trace-free wave tensor. This is essential when one intends, for instance, to study theories of gravity other than general relativity (GR). The use of such a general D_{ij} yields naturally a check for the tracelessness of the wave tensor, which will be present if GR is the correct theory of gravitation.

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