

**Erratum: Directed searches for continuous gravitational waves from twelve supernova remnants in data from Advanced LIGO’s second observing run [Phys. Rev. D 101, 083023 (2020)]**

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The equation for the upper limits on  $r$ -mode amplitudes  $\alpha$  given in Eq. (6) of our paper contains an error. The correct formula, Eq. (24) of Ref. [1], is

$$\alpha \simeq 0.028 \left( \frac{h_0}{10^{-24}} \right) \left( \frac{100 \text{ Hz}}{f} \right)^3 \left( \frac{D}{1 \text{ kpc}} \right). \quad (1)$$

This correct formula gives  $r$ -mode amplitudes that are an order of magnitude smaller than the expression given in our paper. The results displayed in the right-hand panel of Fig. 5 were based on the erroneous version of this equation. The corrected version of this figure is shown here.

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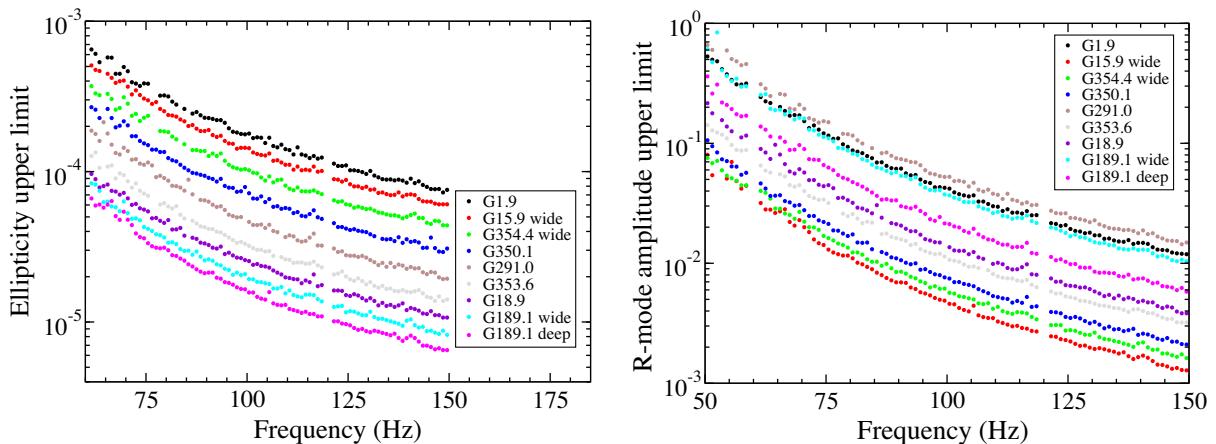


FIG. 5. Upper limits on fiducial neutron-star ellipticity (left) and  $r$ -mode amplitude (right) for a representative sample of SNRs. See the text for details.

[1] B. J. Owen, How to adapt broad-band gravitational-wave searches for  $r$ -modes, Phys. Rev. D **82**, 104002 (2010).