Erratum: Quantum gravitational corrections to the nonrelativistic scattering potential of two masses
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In Eq. B8 the right hand side should read

$$\frac{i}{16\pi^2 m_1 m_2 q^2}\left[\left(1 - \frac{w}{3m_1 m_2}\right)L - \frac{i\pi m_1 m_2}{(m_1 + m_2)p}\right]$$

where

$$p = \left[\frac{(s - (m_1 + m_2)^2)(s - (m_1 - m_2)^2)}{4s}\right]^{1/2}$$

is the center of mass momentum. This additional component is the gravitational ''Coulomb phase'', which exponentiates to all orders (see S. Weinberg, Phys. Rev. B **140**, 516 (1965)). This phase is removed from the potential that we quote in the paper.

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