

**Erratum: Third post-Newtonian higher order ADM Hamilton dynamics
for two-body point-mass systems
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In Eq. (51), $\phi_{(3)}$ should read $\phi_{(2)}$.

In Eq. (68), the last two terms proportional to $1/r$ must contain $(\mathbf{p} \cdot \mathbf{v})$ instead of $(\mathbf{q} \cdot \mathbf{v})$. The corrected version of these terms reads

$$-4(\mathbf{n} \cdot \mathbf{p})^2(\mathbf{p} \cdot \mathbf{v})^2 - 4\mathbf{p}^2(\mathbf{p} \cdot \mathbf{v})^2.$$

In Eq. (80), $1/(16\pi)^2$ should be replaced by $1/(16\pi)^4$.