

**Erratum: Spontaneous excitation of an accelerated atom in a spacetime with
a reflecting plane boundary
[Phys. Rev. D 72, 064022 (2005)]**

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(Received 25 April 2006; published 3 May 2006)

 DOI: [10.1103/PhysRevD.73.109901](https://doi.org/10.1103/PhysRevD.73.109901)

PACS numbers: 04.62.+v, 03.70.+k, 42.50.Lc, 99.10.Cd

This erratum corrects the typographical errors in four equations, all resulting from missing a factor, $\sqrt{1+(az)^2}$. Concretely speaking, Eq. (29) should be

$$\begin{aligned} \chi^F(x(\tau), x(\tau')) = & -\frac{i}{8\pi} \frac{a}{\sinh^2 \frac{a}{2}(\tau - \tau')} \left(\delta(\tau - \tau') - \frac{1}{2\sqrt{1+(az)^2}} \delta\left(\tau - \tau' - \frac{2}{a} \sinh^{-1}(az)\right) \right. \\ & \left. + \frac{1}{2\sqrt{1+(az)^2}} \delta\left(\tau - \tau' + \frac{2}{a} \sinh^{-1}(az)\right) \right), \end{aligned} \quad (1)$$

Eq. (30)

$$\int_{-\infty}^{\infty} \left(\frac{1}{\sinh^2(\frac{a}{2}u + i\epsilon) - (az)^2} + \frac{1}{\sinh^2(\frac{a}{2}u - i\epsilon) - (az)^2} \right) e^{i\omega_{ab}u} du = \left(1 + \frac{2}{e^{2\pi|\omega_{ab}|/a} - 1} \right) \frac{4\pi \sin\left(\frac{2\omega_{ab} \sinh^{-1}(az)}{a}\right)}{a^2 z \sqrt{1+(az)^2}}, \quad (2)$$

Eq. (32)

$$f(\omega_{ab}, a, z) = 1 - \frac{1}{2\omega_{ab}z\sqrt{1+(az)^2}} \sin\left(\frac{2\omega_{ab}z\sinh^{-1}(az)}{az}\right), \quad (3)$$

and Eq. (34)

$$\begin{aligned} \left\langle \frac{dH_A(\tau)}{d\tau} \right\rangle_{rr} = & -\frac{\mu^2}{2\pi} \sum_{\omega_a > \omega_b} |\langle a | R_2^f(0) | b \rangle|^2 \left[\frac{1}{2} \omega_{ab}^2 - \frac{\omega_{ab}}{4z\sqrt{1+(az)^2}} \sin\left(\frac{2\omega_{ab}z\sinh^{-1}(az)}{az}\right) \right] \\ & - \frac{\mu^2}{2\pi} \sum_{\omega_a < \omega_b} |\langle a | R_2^f(0) | b \rangle|^2 \left[\frac{1}{2} \omega_{ab}^2 - \frac{\omega_{ab}}{4z\sqrt{1+(az)^2}} \sin\left(\frac{2\omega_{ab}z\sinh^{-1}(az)}{az}\right) \right]. \end{aligned} \quad (4)$$

The conclusions of the paper remain in spite of these changes.