

Diffraction tomography for biomedical imaging with diffuse photon density waves: errata

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In our recent Letter¹ there appeared several errors in printing. On p. 573, the title should read as follows: "Diffraction tomography for biomedical imaging with diffuse-photon density waves." Notice that it is *biomedical* not *biochemical*. On p. 573, line 6 in the second paragraph in the left-hand-side column, "In this Letter present a ..." should read as "In this Letter we present a ..." On p. 573, line 4 in the third paragraph in the left-hand-side column, "(DDPW)" should read as "(DPDW)."

On p. 573, lines 3–5 below Eq. (1) in the right-hand-side column, " $T_{\text{abs}}[\mathbf{r}, U_0(\mathbf{r}, \mathbf{r}_s, \omega)] = [\delta\mu_a(\mathbf{r})v/D_0]U_0(\mathbf{r}, \mathbf{r}_s, \omega)$ for absorbing objects" should read as " $T_{\text{abs}}[\mathbf{r}, U_0(\mathbf{r}, \mathbf{r}_s, \omega)] = [-\delta\mu_a(\mathbf{r})v/D_0]U_0(\mathbf{r}, \mathbf{r}_s, \omega)$ for absorbing objects." Notice the minus sign on the right-hand-side of this equation.

On p. 573, lines 5–6 below Eq. (1) in the right-hand-side column, " $T_{\text{scatt}}[\mathbf{r}, U_0(\mathbf{r}, \mathbf{r}_s, \omega)] = [\delta\mu'_s(\mathbf{r})3D_0k^2/v - \nabla \ln(\delta\mu'_s + \mu'_{s0})] \cdot \nabla U_0(\mathbf{r}, \mathbf{r}_s, \omega)$ for scattering objects" should read as " $T_{\text{scatt}}[\mathbf{r}, U_0(\mathbf{r}, \mathbf{r}_s, \omega)] = [\delta\mu'_s(\mathbf{r})3D_0k^2/v]U_0(\mathbf{r}, \mathbf{r}_s, \omega) - \nabla \ln(\delta\mu'_s + \mu'_{s0}) \cdot \nabla U_0(\mathbf{r}, \mathbf{r}_s, \omega)$ for scattering objects." Notice $U_0(\mathbf{r}, \mathbf{r}_s, \omega)$ is directly associated with the first term on the right-hand-side of the equation.

On p. 574, the exponential term on the left-hand-side of Eq. (4) " $\exp(-mz_j)$ " should read as " $\exp(-imz_j)$."

Reference

1. X. D. Li, T. Durduran, B. Chance, A. G. Yodh, and D. N. Pattanayak, *Opt. Lett.* **22**, 573 (1997).