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Erratum: Dispersion of spoof surface plasmons in open-ended metallic hole arrays [Phys. Rev. B 84, 035418 (2011)]

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We have become aware of several transcription errors in our equations. We would like to apologize for these and have described the corrections below. These were not represented in the modeling codes used, nor used for any conclusions drawn. There are six sign errors across three equations [(2a), (2b), and (5)]. Also, we have found four cases where the letter d has been replaced by the letter a across two equations [(4c) and (4d)]. These are reproduced below in both their erroneous and corrected forms:

$$k_z^{m_1,m_2} = \sqrt{k_0^2 + \left(k_x + \frac{2m_1\pi}{d}\right)^2 + \left(k_y + \frac{2m_2\pi}{d}\right)^2} \tag{2a}$$

should read as

$$k_z^{m_1,m_2} = \sqrt{k_0^2 - \left(k_x + \frac{2m_1\pi}{d}\right)^2 - \left(k_y + \frac{2m_2\pi}{d}\right)^2} \tag{2a}$$

$$k_z^{n_1,n_2} = \sqrt{\epsilon_{sub}k_0^2 + \left(k_x + \frac{2m_1\pi}{d}\right)^2 + \left(k_y + \frac{2m_2\pi}{d}\right)^2} \tag{2b}$$

should read as

$$k_z^{n_1,n_2} = \sqrt{\epsilon_{sub}k_0^2 - \left(k_x + \frac{2m_1\pi}{d}\right)^2 - \left(k_y + \frac{2m_2\pi}{d}\right)^2} \tag{2b}$$

$$Q_1^{m_1,m_2,s_1,s_2} = \int_0^a \sin\left(\frac{s_1\pi y}{d}\right)\cos\left(\frac{s_2\pi x}{d}\right)\exp\left[-i\left(k_x + \frac{2m_1\pi}{d}\right)x\right]\exp\left[-i\left(k_y + \frac{2m_2\pi}{d}\right)y\right]dx\,dy \tag{4c}$$

should read as

$$Q_1^{m_1,m_2,s_1,s_2} = \int_0^a \sin\left(\frac{s_1\pi y}{a}\right)\cos\left(\frac{s_2\pi x}{a}\right)\exp\left[-i\left(k_x + \frac{2m_1\pi}{d}\right)x\right]\exp\left[-i\left(k_y + \frac{2m_2\pi}{d}\right)y\right]dx\,dy \tag{4c}$$

$$Q_2^{m_1,m_2,s_1,s_2} = \int_0^a \sin\left(\frac{s_1\pi y}{d}\right)\cos\left(\frac{s_2\pi x}{d}\right)\exp\left[+i\left(k_x + \frac{2m_1\pi}{d}\right)x\right]\exp\left[+i\left(k_y + \frac{2m_2\pi}{d}\right)y\right]dx\,dy \tag{4d}$$

should read as

$$Q_2^{m_1,m_2,s_1,s_2} = \int_0^a \sin\left(\frac{s_1\pi y}{a}\right)\cos\left(\frac{s_2\pi x}{a}\right)\exp\left[+i\left(k_x + \frac{2m_1\pi}{d}\right)x\right]\exp\left[+i\left(k_y + \frac{2m_2\pi}{d}\right)y\right]dx\,dy \tag{4d}$$

$$k_z^{m_1,m_2} = \sqrt{k_0^2 + \left(\frac{k_\parallel}{\sqrt{2}} + \frac{2m_1\pi}{d}\right)^2 + \left(\frac{k_\parallel}{\sqrt{2}} + \frac{2m_2\pi}{d}\right)^2} \tag{5}$$

should read as

$$k_z^{m_1,m_2} = \sqrt{k_0^2 - \left(\frac{k_\parallel}{\sqrt{2}} + \frac{2m_1\pi}{d}\right)^2 - \left(\frac{k_\parallel}{\sqrt{2}} + \frac{2m_2\pi}{d}\right)^2}. \tag{5}$$

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