

Erratum: Transverse Thermophotovoltaics from Nonreciprocal Plasmon Drag in Metal **[Phys. Rev. Lett. 136, 176901 (2026)]**

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In the original Letter, the symmetry relation for the photon flux factor was incorrectly given. The correct symmetry should be

$$\Phi(-\mathbf{q}, -\omega) = -\Phi(\mathbf{q}, \omega). \quad (1)$$

Using this relation, together with $N_{21}(-\omega) = -N_{21}(\omega)$, Eq. (A23) in the End Matter is revised with an additional overall negative sign:

$$\sum_{\mu\nu} v_{\mu}(\mathbf{k}, \mathbf{q}) v_{\nu}(\mathbf{k}, \mathbf{q}) D_{\text{neq}, \mu\nu}^{<}(-\mathbf{q}, -\omega) = -\frac{i|\gamma_0|}{\epsilon_0 \omega^2} \Phi(\mathbf{q}, \omega) [\mathbf{v}(\mathbf{k}, \mathbf{q}) \cdot \hat{\mathbf{q}}]^2 N_{21}(\omega). \quad (2)$$

Applying the residue theorem to integrate over the electron energy E in Eq. (A22) of the End Matter, the electric current reduces to

$$I_e = -\frac{4e_0}{\eta} \int \frac{d^2\mathbf{k}}{(2\pi)^2} v_x(\mathbf{k}) \int_{q>k_0} \frac{d^2\mathbf{q}}{(2\pi)^2} \int_{-\infty}^{\infty} \frac{d\omega}{2\pi} L(\mathbf{k}, \mathbf{q}, \omega) M(\mathbf{k}, \mathbf{q}, \omega) N_{21}(\omega). \quad (3)$$

Using again the symmetry in Eq. (1) and $N_{21}(-\omega) = -N_{21}(\omega)$, this expression simplifies further to

$$I_e = -\frac{4e_0}{\eta} \int dX \Delta_x(\mathbf{k}, \mathbf{q}) L(\mathbf{k}, \mathbf{q}, \omega) M(\mathbf{k}, \mathbf{q}, \omega) N_{21}(\omega), \quad (4)$$

with $\Delta_x(\mathbf{k}, \mathbf{q}) = v_x(\mathbf{k} + \mathbf{q}) - v_x(\mathbf{k})$. The electron velocity $v_x(\mathbf{k}, \mathbf{q}) = [v_x(\mathbf{k}) + v_x(\mathbf{k} + \mathbf{q})]/2$ appearing in Eq. (2) of the original Letter should be replaced by $[v_x(\mathbf{k} + \mathbf{q}) - v_x(\mathbf{k})]/2$. The expressions for the electronic transition factor L , the photon interaction strength M , and the Bose-Einstein distribution difference N_{21} remain unchanged.

Figure 1 shows the corrected version of Fig. 2(b) from the original Letter. The magnitude of the curve calculated using Eq. (4) is approximately a factor of 10 smaller than that of the original curve obtained from Eq. (2) of the original Letter. Based on the corrected equation, the drift velocity at $\eta = 0.1$ meV is approximately -0.05 pm/s, which corresponds to a current density of 0.14 fA/m.

The corrections to Eq. (2) and Fig. 2(b) of the original Letter do not affect its main physical findings or conclusions.

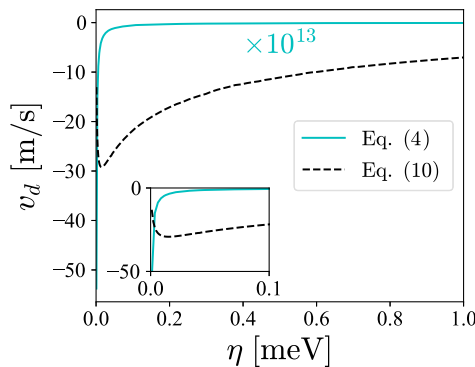


FIG. 1. Correction to Fig. 2(b) of the original Letter. For visual clarity, The newly calculated curve from Eq. (4) of the Erratum is scaled by a factor of 10^{13} . The dashed black curve corresponds to Eq. (10) of the original Letter.