Errata: Hydrodynamic Theory of Electron Transport in a Strong Magnetic Field[1]

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The following errors are to be corrected:

1. In Eq. (2.15c) the minus sign should be replaced by a plus sign.

2. Eq. (2.16) should read

$$\Omega_{ij}(\mathbf{k}) = (a_{i,-\mathbf{k}}, \hat{\mathbf{k}} \cdot \mathbf{j}_{\mathbf{k}}^{j})(a_{j,-\mathbf{k}}, a_{j,\mathbf{k}})^{-1}$$

3. Eq. (2.19b) should read

$$\Gamma_{\alpha,\mathbf{k}}^{5} = [j_{\alpha,\mathbf{k}}^{\varepsilon} - (h/\rho)\, j_{\alpha,\mathbf{k}}^{\rho}]/\rho C_{v}$$

4. In Eqs. (2.21a)–(2.21e) the second integral sign should be deleted.

5. In Eqs. (2.22a) and (2.22b) the factor in front of the integral should be $\rho C_{v}/k_{\mathrm{B}} T^{2}$, not $1/(\rho C_{v} k_{\mathrm{B}} T^{2})$.

6. Some terms were left out of Eq. (A.4a). For clarity we rewrite here the entire corrected equation. It should be noted that the correct form was used in the calculation.

$$z_{\mu}^{(2)}(k) = \frac{z_{\mu}^{(0)}}{2[2(z_{\mu}^{(0)})^{2} + \omega_{h}^{2}]} \left\{ -\frac{\gamma}{\rho\chi_{T}} k^{2} \left[1 + \frac{\omega_{\mathrm{B}}^{2}}{(z_{\mu}^{(0)})^{2}} \hat{k}_{z}^{2} \right] \right.$$

$$\left. + 2\omega_{\mathrm{B}} \left(1 + \frac{\omega_{p}^{2}}{(z_{\mu}^{(0)})^{2}} \hat{k}_{z}^{2} \right) (v_{3\mu} k_{\perp}^{2} + v_{4\mu} k_{z}^{2}) \right\}$$

$$+ \frac{1}{2[2(z_{\mu}^{(0)})^{2} + \omega_{h}^{2}]} \left\{ (z_{\mu}^{(0)})^{2} \left[v_{2\mu} k^{2} + k_{\perp}^{2} \left(v_{1\mu} + \frac{v_{0\mu}}{3} \right) + \frac{4}{3} v_{0\mu} k_{z}^{2} \right] \right.$$

$$+ \omega_p^2 \hat{k}_z^2 k_\perp^2 \left(v_{1\mu} + 3v_{0\mu} - \frac{2\omega_B}{z_\mu^{(0)}} v_{4\mu} - 4v_{2\mu} \right)$$

$$- \omega_B^2 \left(1 + \frac{\omega_p^2}{(z_\mu^{(0)})^2} \hat{k}_z^2 \right) (v_{1\mu} k_\perp^2 + v_{2\mu} k_z^2)$$

$$+ \omega_p^2 v_{2\mu} k^2 + \omega_B^2 \left(v_{2\mu} k_\perp^2 + \frac{4}{3} v_{0\mu} k_z^2 \right) \Big\}$$

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