

Erratum: Mean magnetic field renormalization and Kolmogorov's energy spectrum in magnetohydrodynamic turbulence [Phys. Plasmas, 6, 1455, 1999]

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In our paper we committed some errors. The corrections are given below.

1. In Eq. (13), K should be replaced by k .
2. Eqs. (16) and (17) should be replaced by the following equations:

$$\begin{aligned}\delta B_{(0)}^{++} &= k \int_{\mathbf{p}+\mathbf{q}=\mathbf{k}} d\mathbf{q} \left(\frac{E(q)}{4\pi q^2} \right) \left[-a_2(k, p, q) \frac{X_{(0)}(p) + B_{(0)}^{++}(p)}{2X_{(0)}(p)} - a_4(k, p, q) \frac{B_{(0)}^{+-}(p)}{2X_{(0)}(p)} \right. \\ &\quad \left. + a_1(k, p, q) \frac{B_{(0)}^{+-}(p)}{2X_{(0)}(p)} - a_3(k, p, q) \frac{X_{(0)}(p) - B_{(0)}^{++}(p)}{2X_{(0)}(p)} \right] / denr, \\ \delta B_0^{+-} &= k \int_{\mathbf{p}+\mathbf{q}=\mathbf{k}} d\mathbf{q} \left(\frac{E(q)}{4\pi q^2} \right) \left[-a_2(k, p, q) \frac{B_{(0)}^{++}(p)}{2X_{(0)}(p)} - a_4(k, p, q) \frac{X_{(0)}(p) - B_{(0)}^{++}(p)}{2X_{(0)}(p)} \right. \\ &\quad \left. + a_1(k, p, q) \frac{X_{(0)}(p) + B_{(0)}^{++}(p)}{2X_{(0)}(p)} + a_3(k, p, q) \frac{B_{(0)}^{+-}(p)}{2X_{(0)}(p)} \right] / denr,\end{aligned}$$

with

$$denr = [-kX_{(0)}(k) + pX_{(0)}(p) - qX_{(0)}(q)].$$

3. Eqs. (24) and (25) should be replaced by

$$\begin{aligned}\delta B_{(n)}^*(k') &= \int_{\mathbf{p}'+\mathbf{q}'=\mathbf{k}'} d\mathbf{q}' \left(\frac{E(q')}{4\pi q'^2} \right) \left[-a_2(k', p', q') \frac{X_{(n)}^*(sp') + B_{(n)}^*(sp')}{2X_{(n)}^*(sp')} - a_4(k', p', q') \frac{B_{(n)}^{*+-}(sp')}{2X_{(n)}^*(sp')} \right. \\ &\quad \left. + a_1(k', p', q') \frac{B_{(n)}^{*+-}(sp')}{2X_{(n)}^*(sp')} - a_3(k', p', q') \frac{X_{(n)}^*(sp') - B_{(n)}^*(sp')}{2X_{(n)}^*(sp')} \right] / denr, \\ \delta B_0^{*+-} &= k \int_{\mathbf{p}'+\mathbf{q}'=\mathbf{k}'} d\mathbf{q}' \left(\frac{E(q')}{4\pi q'^2} \right) \left[-a_2(k', p', q') \frac{B_{(n)}^*(sp')}{2X_{(n)}^*(sp')} - a_4(k', p', q') \frac{X_{(n)}^*(sp') - B_{(n)}^{*+-}(sp')}{2X_{(n)}^*(sp')} \right. \\ &\quad \left. + a_1(k', p', q') \frac{X_{(n)}^*(sp') + B_{(n)}^*(sp')}{2X_{(n)}^*(sp')} + a_3(k', p', q') \frac{B_{(n)}^{*+-}(sp')}{2X_{(n)}^*(sp')} \right] / denr,\end{aligned}$$

with

$$denr = [-k'X_{(n)}^*(sk') + p'X_{(n)}^*(sp') - q'X_{(n)}^*(sq')].$$