

**Erratum: Anomalous scaling and large-scale anisotropy in magnetohydrodynamic turbulence:
Two-loop renormalization-group analysis of the Kazantsev-Kraichnan kinematic model
[Phys. Rev. E **85**, 065301(R) (2012)]**

N. V. Antonov and N. M. Gulitskiy
(Received 10 March 2013; published 19 March 2013)

DOI: [10.1103/PhysRevE.87.039902](https://doi.org/10.1103/PhysRevE.87.039902)

PACS number(s): 47.27.eb, 47.27.ef, 05.10.Cc, 99.10.Cd

Equation (9) for the two-loop correction $\Delta_{n,l}^{(2)}$ to the scaling dimension of the composite field (3) contains an error. The correct equation reads

$$\begin{aligned} \Delta_{n,l}^{(2)} = & -\frac{2n(n-2)}{125} - \frac{n(n+3)}{30} + \frac{22l(l+1)}{375} - \frac{3(n-2)}{175} \left(-\sqrt{3}\pi + \frac{82}{15} \right) [2n(n-4) + 3l(l+1)] \\ & - \frac{19(n-2)}{350} \left(-\sqrt{3}\pi + \frac{1568}{285} \right) [n(n+3) - 2l(l+1)]. \end{aligned} \quad (9)$$

The difference is in the last line of the expression. Thus, the inequality in the text above Eq. (11) should read

$$\partial \Delta_{n,l}^{(2)} / \partial l \simeq (2l+1)(0.0053n + 0.0482) > 0,$$

whereas, Eq. (11) should read

$$\Delta_{n,0}^{(2)} \simeq -0.0041n^3 - 0.0474n^2 - 0.0553n. \quad (11)$$

The main conclusions of the paper remain unchanged: The anomalous scaling and the hierarchy of anisotropic contributions are enhanced by the two-loop correction.

The authors are indebted to M. Jurčišin for pointing out the error to us.