## **ERRATA**

## Energy Spectrum of Homogeneous and Isotropic Turbulence in Far Dissipation Range [Phys. Rev. Lett. 72, 344 (1994)]

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After publication of our article [1], U. Frisch (see also [2]) pointed out that we rediscovered a composite expansion that appeared over forty years ago in Batchelor [3]. This expression has been largely overlooked in the literature, but see [4–6]. Our expression differs from that of Batchelor in several essential respects. It is based on the Kolmogorov  $\frac{4}{5}$  law and is derived from principles of analytic function theory. As a result no free constants appear. In addition the Reynolds number dependence of the inertial and dissipative ranges is explicitly included in the results.

Several transcriptional errors appeared in [1] and we take this opportunity to correct these: (20) should read

$$\frac{E(\kappa)}{A} = -5\kappa^{7/6}K_{17/6}(\kappa) + \kappa^{13/6}K_{23/6}(\kappa);$$

(18) should read

$$= A[\kappa^{1/6}K_{11/6}(\kappa) - \kappa^{-5/6}K_{5/6}(\kappa)];$$

(21) should read

$$\frac{E(\kappa)}{A} \sim \sqrt{\frac{\pi}{2}} e^{-\kappa} \kappa^{5/3} \left(1 + \frac{20}{9\kappa}\right).$$

Very minor modifications to Figs. 2 and 4 do not warrant replotting them here.

- [1] L. Sirovich, L. Smith, and V. Yakhot, Phys. Rev. Lett. 72, 344 (1994).
- [2] D. Lohse and A. Muller-Groeling (to be published).
- [3] G. Batchelor, Camb. Philo. Soc. 47, 359 (1951).
- [4] S. Panchev, Random Functions and Turbulence (Pergamon, New York, 1971).
- [5] A. S. Monin and A. M. Yaglom, Statistical Fluid Mechanics: Mechanics of Turbulence (MIT, Cambridge, 1975), Vol.2.
- [6] H. Effinger and S. Grossmann, Z. Phys. 66, 289 (1987).