

ADDENDUM

Zonal flow and streamer generation in drift turbulence**G Manfredi¹, C M Roach² and R O Dendy²**¹ Laboratoire de Physique des Milieux Ionisés, Université Henri Poincaré, BP 239,
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Abstract

The apparent factor of $\sqrt{2}$ discrepancy between our analytical growth rate for zonal flows in equation (20) of G Manfredi *et al* 2001 *Plasma Phys. Control. Fusion* **43** 825–837 and that of Diamond P H and Shevchenko A I 2000 *Phys. Plasmas* **7** 1349 has now been fully resolved.

A notational error impinged only on the comparison itself, and does not affect any of the other results presented. The following minor corrections should be made: (i) The expression

$$\frac{(1 + k_z^2 \rho_s^2) |\phi_2|}{B \rho_s c_s} \rightarrow N_0^{\frac{1}{2}}$$

above equation (20) in [1] was the source of the apparent discrepancy, and should be replaced by

$$\frac{\sqrt{2}(1 + k_z^2 \rho_s^2) |\phi_2|}{B \rho_s c_s} \rightarrow N_0^{\frac{1}{2}}.$$

As a result of this correction, the factor of $\sqrt{2}$ should be removed from the numerator of equation (20), and the sentence following equation (20) should be modified to read: ‘Equation (20) **agrees exactly** with the result in equation (15) of [2], which was obtained using quite different methods.’ The authors are grateful to C N Lashmore-Davies and A Thyagaraja for pointing this out. (ii) The fourth sentence in the first paragraph of the Conclusions section should read: ‘Making the same approximations as were assumed in [2,3], we have obtained an analytic linear growth rate that **agrees exactly** with that calculated in [2] using different methods.’

References

- [1] G Manfredi, C M Roach and R O Dendy 2001 *Plasma Phys. Control. Fusion* **43** 825–837
- [2] Smolyakov A I, Diamond P H and Shevchenko A I 2000 *Phys. Plasmas* **7** 1349
- [3] Smolyakov A I, Diamond P H and Malkov M 2000 *Phys. Rev. Lett.* **84** 491