

Intermittency in fluid and MHD turbulence analyzed through the prism of moment scaling predictions of multifractal models

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*** This is response 2 to Shaun Lovejoy.

All remarks have been taken into account, with changes in this second revision marked in blue, see p. 1, 5, 14–16.

** Figure 4 has been remade with larger fonts and better balance in [X,Y].

** The monofractal limit of a_Q was already mentioned in the text (see line 263), and it is indeed 3, as also found previously in Sardeshmukh et al. (2009). The data in Fig. 4 is not in great agreement with this, but not too bad either.

** Concerning the more general comment, and in particular that of referee 2 number 10, we have added a text (see conclusion), and some references in so doing. We mention that indeed anomalous scaling exponents of structure functions in time should be computed, and their ∞ limit evaluated; this is left for future work. As for the spectrum of singularities (with even unboundedness possibly linked to lognormality, posing the question of lognormal or log-Lévy processes), that would require substantially more work and it will not be undertaken now, for one thing the paper being quite long already.