

Interactive comment on “Site effect classification based on microtremor data analysis using concentration–area fractal model” by A. Adib et al.

Anonymous Referee #1

Received and published: 8 October 2014

The improvement of the figure, in particular the explicit values of the fits and the R2 are significant. The rationale of the “linear-portion” are better demonstrated.

Nevertheless, the text is still uncomplete. The “linear-portion” in a log-log plot is not a signature of multifractal but it could also be a fractal by scale! Again the reference Agterberg et al., 1996 is never arguing on such “linear-portion”. In order to demonstrate the “multifractal” nature of their data, Agterberg et al., 1996 used different statistical moments. For each moment, a single power-law is demonstrated empirically (only one linear fit) but the exponent is different.

The reference Spalla et al. 2010 is new but not complete. Please add the full reference.

Interactive comment on Nonlin. Processes Geophys. Discuss., 1, 1133, 2014.

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