



Interactive  
Comment

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

### **Anonymous Referee #1**

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The improvement of the figure, in particular the explicit values of the fits and the  $R^2$  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.

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

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Discussion Paper

