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

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Received and published: 15 September 2014

1) Comment: Cheng and Agterberg (1996), Sim et al (1999), Goncalves et al (2001) are not using classification method for more than 3 classes but detection tool for extreme data (2 classes, as shown in all plots of those articles). The article from Afzal et al. (2010) proposes to extend the Concentration-Area method to more than two classes without theoretical justification. More than a theoretical work, this article should point out at least a discussion about the justification for the case of more than 2 classes, in the framework of fractal/multifractal. Also the authors should state clearly that their use of the C-A method is extended from the initial version from Cheng et al., 1994. 1) Answer: Cheng et al (1994) did not use any limitation for the C-A method entitled a bi-fractal method. They introduced the model for bi-fractal and multifractal natures (see

2) Comment: Figure 3: the scale is still missing. 2) Answer: Please replace the new figure 3, the new figure has been attached.

3) Comment: Figure 8: The points without names will improve the lisibility of the figure and the comparison with figure 9. 3) Answer: The new figure has been attached.

4) Comment: Figure 9: The figure would be more easy to interpret in color using the same color legend than figure 8. 4) Answer: The new figure 9 has been prepared and
attached to the E-mail. Please replace it with the earlier.

Please also note the supplement to this comment:
http://www.nonlin-processes-geophys-discuss.net/1/C473/2014/npgd-1-C473-2014-supplement.zip

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