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Interactive comment on “Relative tectonic activity classification in Kermanshah area, west Iran” by M. Arian and Z. Aram

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Dear Top editor and Referees

Thank you very much for your kind email and useful comments. We have improved the article by applying your invaluable comments. All modifications are marked as red in the text. Classification of relative tectonic activity (Keller & Pinter, 1996) is our aim for this research in the Kermanshah part of Zagros crush zone. The amount of uplift in this region is different and It can be seen in Figure 10. This uplift is not incompatible with tectonic setting of Zagros crush zone. The amount of uplift is not the same everywhere. This method (combining all indices) is well known and was introduced according to page 149 of the text book (Keller and Pinter, 2002):” each of the indices discussed in this chapter provides a relative classification of tectonic activity useful in

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reconnaissance studies. When more than one index is applied to a particular region, the results are more meaningful than those of any single analysis. This concept was tested by evaluating mountain fronts on the southern flank of the central Ventura Basin in California.” Finally, the authors thank you for your kind review of their paper.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/6/C948/2014/sed-6-C948-2014-supplement.pdf>

[Interactive comment on Solid Earth Discuss.](#), 6, 2007, 2014.

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6, C948–C949, 2014

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