

# ***Interactive comment on “On soil textural classifications and soil texture-based estimations” by Miguel Ángel Martín et al.***

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We appreciate very much the overall positive opinion of this reviewer and specific comments that are helpful for the manuscript improvement. As the Reviewer suggests, we can clarify the description of the part of the methodology that is already published, i.e. the iterated function formalism. The discrepancy in the numbers of samples will be eliminated. The first phrase of the “Materials and methods” section is not only identical to the one presented at Martín et al. (2017a), it also does not properly reflect the focus and objective of the manuscript. We will eliminate it. The list of all triplets will be included in the end of the section 2.2 as recommended by this Reviewer. The second and the third columns in Table 1 will be swapped to prevent the confusion in the table explanation in the text. “Between reflected” just needs to be changed to “reflected.”

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The caption in Fig. 2 have two errors; the abbreviation “mkm” on the vertical axis has to be changed to “%”, and the same abbreviation at the horizontal axis has to be changed to “mm”. Page 6|line 28 will be reformulated as suggested. The ‘3-3-2’ triplet will be mentioned in the Fig. 1. caption before “(b)”. The Table 2 title reformulated to “Percentage of samples for which simulated and measured particle size distributions are not different at the 0.05 significance level.”. All the misspellings are corrected. Thanks again for the thorough and constructive review.

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