

Interactive comment on “Geomorphometry of drainage basins: a global view from the Shuttle Radar Topography Mission” by P. L. Guth

P. Guth

pguth@usna.edu

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I appreciate the thoughtful comments:

1. Will add mention in the text of Figures 4b and 4c, which address basin area on p. 1932.
2. Will clarify the explanation of Figure 6 which is difficult to understand, both in the caption and in the text on p. 1933, lines 21 & 22.
3. On page 1935 in Conclusions, the meaning/intent of “Because most parameters depend on the scale of the data used for computation(s), these results cannot be compared to other studies” will be clarified to state that parameters like slope depend on

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the spacing of the DEM, or some length parameters are fractal.

4. On page 1934 line 18 in the Discussion, author Suzanne Wechsler (2007) is now cited as “She”, on page 1939 line 12, the canonized Robert E. Horton is now spelled with an “o”.

5. Reviewer’ suggestions:

- Reviewer suggested to halve the Fig. 8 matrix, from a square to a triangle, to eliminate redundancy; I prefer to keep it, because it is easier to follow a single parameter by using a row of column, instead of having to do a pivot in the middle. Per the Evans review, the figure is also changed to place related variables closer together.

- As suggested, title of the paper changed

- Redundant “geo” in “geomorphometry” struck in most cases (I think a few should stay).

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 1929, 2011.

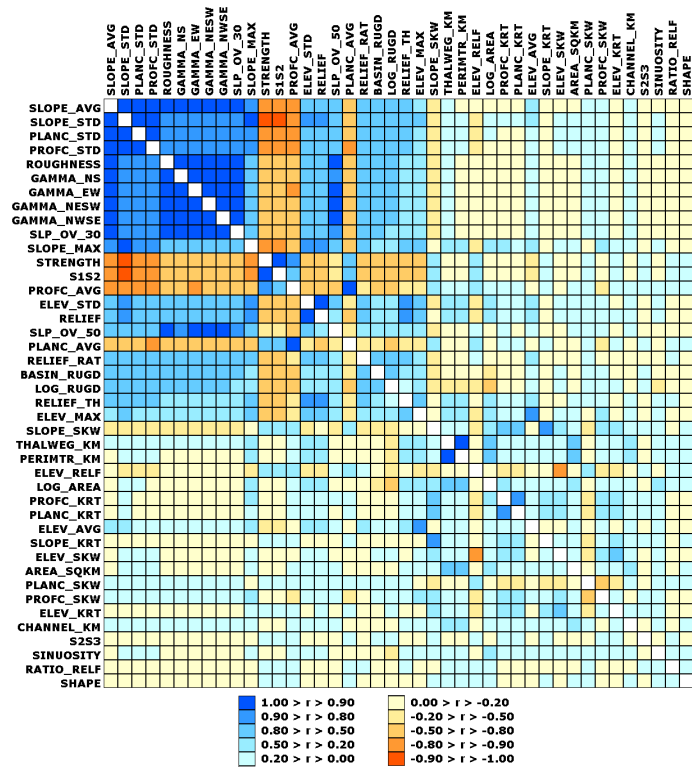


Fig. 1. Revised Figure 8