

Interactive comment on “Self-similar pattern formation and continuous mechanics of self-similar systems” by A. V. Dyskin

Anonymous Referee #3

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This paper explains how cracks form on heterogeneous materials and how they may grow giving rise to self-similar patterns. The work is interesting and certainly relevant for the readership of HESS. The following minor suggestions would enhance this contribution.

- The abstract may perhaps be shortened, reflecting in a more concise way the main contributions of the article.
- Instead of the word “Chapter” it should say instead “Section” to describe the sections of the manuscript.
- Not being an expert in the field, I struggled understanding some expressions that are not derived in the text. Realizing that it is not possible to include all steps,

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I wonder if the author may provide additional intuitive explanations, say eq. (4), eq. (16) and eq (18).

- I found section 4 a bit hard to follow and I wonder if it could be shortened without affecting the message of the article.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 3, 1879, 2006.

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