

Interactive comment on “Constructal theory of pattern formation” by A. Bejan

Anonymous Referee #2

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This review summarizes a number, but not all, of the research on the constructal principle, which was proposed originally by Prof. Bejan. Through using what appears to be simply deduction and the physics principle of constructal theory we arrive at many architectures that are found in nature. This is a real advancement from the empirical ways that have taken over much research activities, but as stated in the conclusion both empirical and theoretical approaches are necessary in engineering and science.

The article is extremely well written and a pleasure to read. The article does lack detail in all areas that it deals with but is well referenced for the interested reader in individual fields. This is an appropriate approach to such a multidisciplinary topic. Some specific comments,

1. It may be my printer but when I printed the document it was messed up. This rarely happen with my printer.

2. Page. 21, first paragraph, flud, should read fluid.

3. The legend in Fig. 11 is very difficult to follow, I cannot make out the sudden expansion or flow over flat plate from the data at all.

In totality I recommend this article for publication in HESS with the very minor changes suggested above.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 3, 1773, 2006.

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