

Interactive comment on “A multi-scale soil water structure model based on the pedostructure concept” by E. Braudeau et al.

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Dear Dr. Braudeau,

With great pleasure, I read your manuscript "A multi-scale "soil water structure" model based on the pedostructure concept" that you submitted to Hydrology and Earth Systems. I attach my hand-written mainly editorial comments in a pdf file and would like to suggest the following for improving your fine manuscript:

The objective underlying your study should clearly be mentioned at the beginning of the abstract section after a brief introductory statement.

Page 1117, lines 3-5: I did not understand what you wanted to say in this sentence, and the meaning of the 100cm³ soil sample is not clear.

C122

The appropriate term for soil water potential would be soil water pressure head or matric potential, but not suction pressure.

On page 1130, l. 14, I do not understand what you mean by referring the W1500 (apparently the soil water content at -1500 kPa) which is known as the permanent wilting point to the air entry point. Please clarify.

I appreciated the chance to review your manuscript very much.

Sincerely yours,

Ole Wendroth

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Please also note the Supplement to this comment.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 1111, 2009.