

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

**O. Wendroth (Referee)**

owendroth@uky.edu

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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 100cm<sup>3</sup> soil sample is not clear.

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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

Department of Plant & Soil Sciences

University of Kentucky

Please also note the [Supplement](#) to this comment.

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

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