

***Interactive comment on* “Predicting the soil water characteristic curve from the particle size distribution based on a pore space geometry containing slit-shaped spaces” by Chen-chao Chang and Dong-hui Cheng**

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Dear Reviewers and Editor,

We are very grateful to editor and reviewers for their constructive comments and suggestions on our manuscript entitled “Predicting the soil water characteristic curve from the particle size distribution based on a pore space geometry containing slit-shaped spaces”. (Manuscript ID: hess-2017-668). We will revise the manuscript according to the comments of reviewers. The main revisions for our manuscript are as follows:

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1. Adding more fine-textured soils to validate the proposed model.
2. Comparing proposed model with other improved model (the improved model in Meskini-Vishkaee et al. (2014) may be a good choice) and add the predicted results and discussions.
3. Adding the process of transforming Young-Laplace equation to Eq. (4) in revised manuscript.
4. The discussions corresponding to the silt-shaped spaces will be added in our revised manuscript.
5. Revising the other small points suggested by reviewers. Looking forward to hearing from you.

Best regards,

Dong-hui Cheng

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