

Interactive comment on “The referential grain size and effective porosity in the Kozeny–Carman model” by K. Urumović and K. Urumović Sr.

Anonymous Referee #2

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This paper explores an interesting subject, showing the behaviour of porous media with grain sizes varying from silty clay to gravels, comparing the results from pumping tests and the KC equation for samples taken at different depths.

I believe that the visual comparison of the values of field and laboratory, shown in the paper, helps demonstrate the arguments outlined by the authors.

I recommend the publication of this paper.

Corrections that should be made: Page 4, line 31 says "...effective porosity n..." and should be "...effective porosity ne..." In figure 6, it is not indicated what does Kt stands for (tested hydraulic conductivity).

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., doi:10.5194/hess-2015-524, 2016.