

Interactive comment on “A new theoretical interpretation of Archie’s saturation exponent” by Paul W. J. Glover

Anonymous Referee #2

Received and published: 1 April 2017

Dear Editor The comments for se-2017-5 are given as follows:

Comments to the Author Manuscript ID: se-2017-5 Title: A new theoretical interpretation of Archie’s saturation exponent Author: Paul W. J. Glover

The classical Archie’s law is an important expression to describe the relationship between electrical property and the porosity of rocks. In this paper, the author builds a new theory to extend Archie’s law and make it more completely, so that it can be applied to the n-phase medium. Although there is a Table listed to make a comparison of these two theories, I do not think it is enough to show the advances and validities of the new theory. It is better to give a simulated analysis in the paper at least. However, the author has presented that there is no data here, so hope to see the related paper soon, which interests me the best.

C1

Best wishes.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/se-2017-5/se-2017-5-RC2-supplement.pdf>

Interactive comment on Solid Earth Discuss., doi:10.5194/se-2017-5, 2017.

C2