

Interactive comment on “A mechanistic model for electrical conduction in soil–root continuum: a virtual rhizotron study” by Sathyanarayan Rao et al.

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Dear Editor,

We thank the two reviewers for their kind comments regarding the scientific relevance of the paper and for constructive criticism. It has helped restructure the paper thereby improving its quality. The responses to specific comments were addressed as short comments before. Here we add the revised version of the paper that takes into account for all the comments received by the two reviewers and is added as a supplement with the new proposed title:

C1

"Process based virtual rhizotron experiments to investigate the impact of maize roots on ERT derived effective electrical conductivity of the soil–root continuum"

New changes include:

1) A table of symbols as appendix (P.30) 2) Updated Figure 2 (P.23) 3) Restructuring of section 4 and 5 of the paper.

Best regards, Sathyanarayan Rao

Please also note the supplement to this comment:

<https://www.biogeosciences-discuss.net/bg-2018-280/bg-2018-280-AC2-supplement.pdf>

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2018-280>, 2018.

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