

***Interactive comment on* “Review article: Kinematic models of the interplanetary magnetic field” by Christoph Lhotka and Yasuhito Narita**

Anonymous Referee #2

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The article is a very nice tutorial overview of the subject. The grammar and spelling need to be reviewed, an example: page 3, line 19 "useful took" presumably should be "useful tool". I will leave this for the editorial staff and authors to go through this instead of providing an incomplete list.

For the physics discussion, last section should really be expanded a little more to be a re view rather than a tutorial. I would like to see a little more discussion of the two dimensional treatment, turbulent diffusion, as well as pickup ion effects on pages 16 and 17. A comprehensive review should include a basic discussion of the models. Authors already have a lot of the references in there. Including the model equations and a basic discussion of how they incorporate the higher order effects would make this review a good one stop overview read. I would like to see an expanded section 3.

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I had minor comments on figures and captions but the other referee has already discussed them in more detail than I was planning.

Interactive comment on Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2018-133>, 2018.

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