



Interactive comment on “Open Plot Project: an open-source toolkit for 3-D structural data analysis” by S. Tavani et al.

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The motivations of the software sounds clear: there is a lack of integrated 3D software for structural analysis. This is true. I think the software should be “published” as it is now. It will be improved, if needed, latter using the comments of the users. I have few comments or questions:

Maybe the abstract could be more explicit about what the software does and does not.

Response: We thank the reviewer for this comment. We agree and we will consequently rewrite part of the abstract.

What structural data can be analysed?

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Response: This is specified in the user manual, which is attached as supplementary material. In order to be more explicit examples of the meaning of “structural data” will be provided in the text.

The examples are pretty difficult (at least for me) to check. But in any case, the best way to check the software is to use it. I did not have time to do it. But as soon as I will have to analysis structural data, I will check the functionalities. Maybe figures of the different possible plots may help having an idea of what the software does. Besides plotting structural data and analysing them, what can be done exactly? Response A new figure schematically illustrating the main functionalities of the software will be added.

Is it possible to build cross sections? Can we use 3D data (geological map, seismic lines, well data, field data) to build a cross section?

Response: Dip data and polylines (like limits of geological units digitalised on georeferenced images) can be projected on vertical multipanels following user-defined directions. The results are automatically exported as vector graphic files.

What can be extracted from the loaded images? Is there a digitizing tool?

Response: Vectors and polylines can by digitalised, this will be highlighted in the new figure and in the text.

Maybe the softwares that are usually used by structural geologist (stereographic projection, 3D modeller . . .) should be cited to compare the present software to them.

Response: We agree and these software will be cited.

Interactive comment on Solid Earth Discuss., 2, 375, 2010.

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