

## Comments on SE ms. by Healy and Ruup

231  $\mu$  is often used for the friction coefficient: change it to something else

235 is gamma intersection angle? If so, point it out.

249 and 252 S and T are commonly used for the principal stresses.

279 tests of bimodality and quadrimodality appears to be fine and merit the publication of the manuscript.

318-324 Good discussion of the Chimney Rock data set, a detail of which is hard to find in any place in the literature. I don't have anything to say about the data from central Italy attributed to Roberts, 2007. Sorry, I am too lazy to dig it out!

372 The word "probably" is unnecessary.

374-376 The main results are worthy in a statistical sense as I mentioned above. Perhaps that is why the authors find a better fit with the synthetic datasets. Given that most map-scale natural faults evolve or grow by interaction, splaying, coalescence, and in some cases, reactivation under progressive material and stress rotation, naturally they are much more complex (Aydin and Zhong; Rock Fracture Knowledgebase). I don't expect the authors discuss all of these mechanisms in one manuscript, but they may just point out why most natural faults are more complicated.

By the way, I like the interactive review system and I don't mind my name and comments being open to the authors and the public.

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