

# ***Interactive comment on “Monte Carlo Simulations for Uncertainty Estimation in 3D Geological Modeling, A Guide for Disturbance Distribution Selection and Parameterization” by Evren Pakyuz-Charrier et al.***

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Indeed, vMF is a practical distribution and its normal-like properties allows it to be used in most cases. Note that the Kent distribution is a good alternative for anisotropic data. Quaternions are a practical convention for rotations that may ease code implementation indeed. However that would not change the end result. I believe that geoscientists are more concerned with the quality of the end results rather than algorithm optimization. Therefore, the community will ignore/reject what it considers "confusing" or unnecessary.

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Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2017-115>, 2017.

**SED**

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