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**SG2PS (STRUCTURAL GEOLOGY TO POSTSCRIPT CONVERTER) – A  
GRAPHICAL SOLUTION FOR BRITTLE STRUCTURAL DATA  
EVALUATION AND PALEOSTRESS CALCULATION**

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***ABSTRACT***

The aim of this work was to create an open source cross platform application to process brittle structural geological data with seven paleostress inversion algorithms published by different authors and formerly not available within a single desktop application. The tool facilitates separate processing and plotting of different localities, data types and user made groups, using the same single input file. Simplified data input is supported, requiring as small amount of data as possible. Data rotation to correct for bedding tilting, rotation with paleomagnetic declination and *k*-means clustering are available. RUP and ANG stress estimators calculation and visualisation, resolved shear direction display and Mohr circle stress visualisation are available.

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