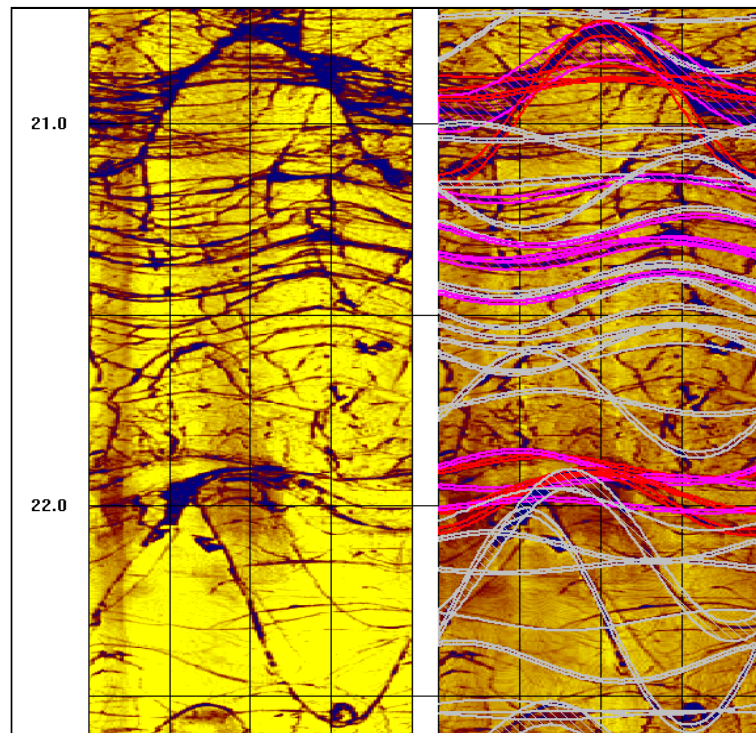


Sinepick performs automated picking of acoustic televiewer (ATV) scans, both amplitude and time, and optical televiewer (OTV) scans. The algorithm is also suitable for oriented core imagery and for downhole resistivity scans.

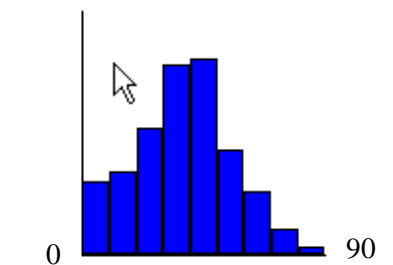
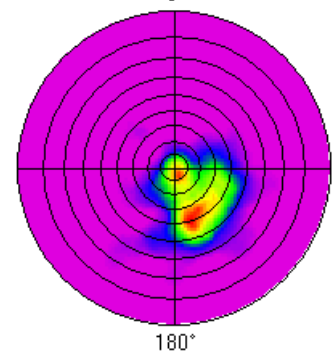
Sinepick operates in three modes: filtering mode, sinusoid mode and breakout mode. In **filtering mode**, Sinepick suppresses centralisation stripes, to expedite structure picking. In **sinusoid mode**, Sinepick interprets dip, strike, and thickness of planar features (fractures, joints, bedding), intersected by the hole. In **breakout mode**, Sinepick interprets the orientation of tensile failure features (180° apart, tracking parallel to the drill hole axis) indicative of the ambient stress regime.

Sinepick is WellCAD compatible, i.e. accepts WellCAD files as input, and creates WellCAD files as output. A Sinepick module for WellCAD is under development.

Sinepick breakout interp.



Wulff Plot - LH - Type
Depth: 20.01 [m] to 456.00 [m]

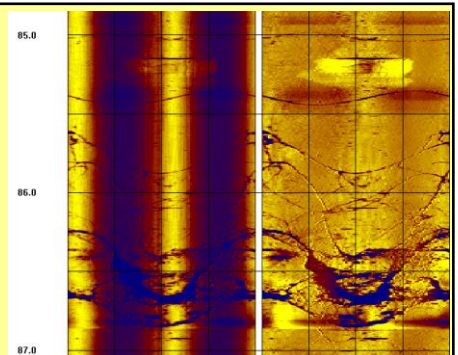


Dip histogram for Sinepick interp.

The benefits offered by Sinepick are

- (i) speed combined with acceptable accuracy,
- (ii) consistency, and
- (iii) flexibility

Sinepick is particularly well-suited for rapid identification of joint sets, for example: the dip and strike of populations will be well characterised on a stereo net. This can be valuable for data QC as well as for first-pass geotechnical interpretation.



Original (left) and de-stripped scans

Further information

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