713 881 8900
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10811 S Westview Circle Dr.
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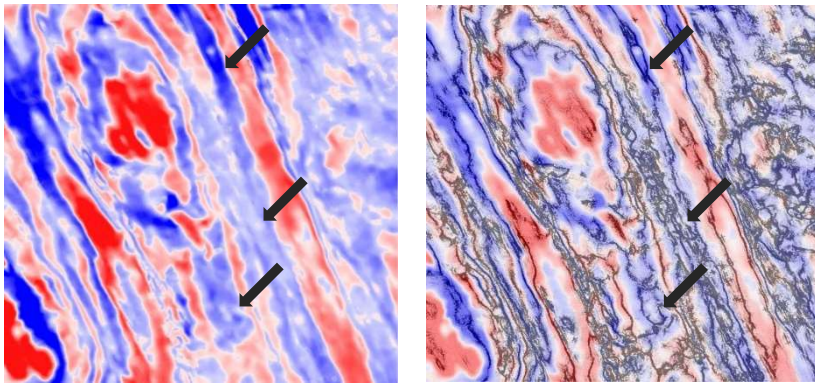Houston Texas 77043 USA

Structural Attributes
via Coherency / Curvature

The **Coherence attribute** extracts discontinuities from a seismic stack.

Depth slice of seismic amplitude

Seismic & Coherence

Flexible input options
- Time- or depth-migrated
- Partially stacked common offset or azimuth
- Frequency-limited stacks

Applications for interpretation
- Detect minor faults and fractures
- Quantify fault/fracture density
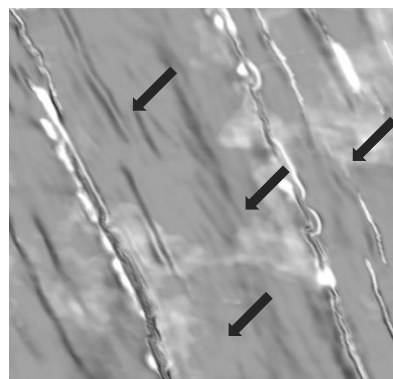- Identify buried channels, deltas, and reefs

Curvature attributes emphasize the bending of reflectors in a seismic stack.

Diverse selection of curvature attributes
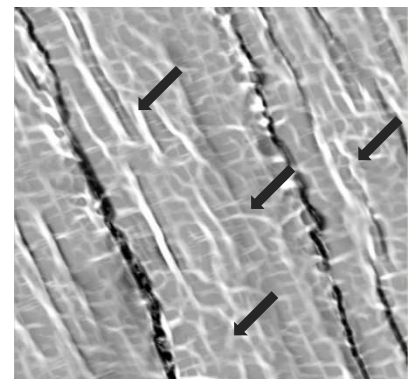- Curvedness
- Most positive/negative curvature
- Major/minor principal curvature
- Mean/Gaussian curvature
- Dip/strike curvature
- Shape index

Applications for interpretation
- Delineate faults, fractures, and folds
- Quantify fault displacement
- Identify fault connectivity
- Classify brittle/ductile fault deformation

Horizon slice of seismic amplitude

Most negative curvature