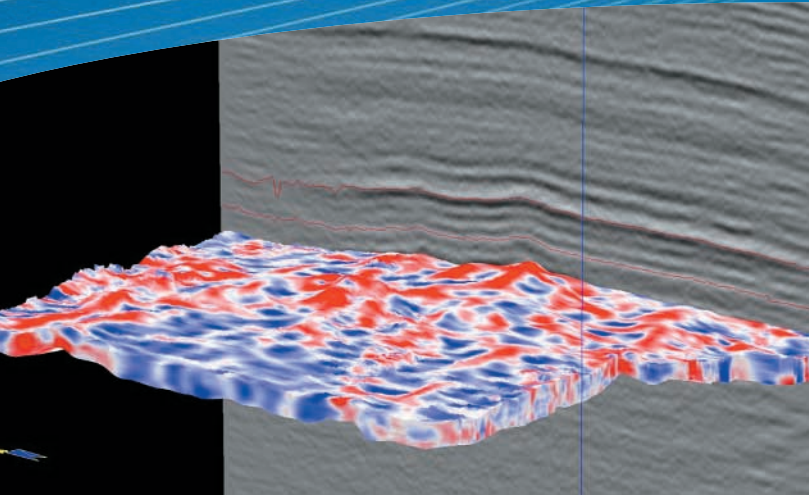


# Volume Curvature

...at your desktop



*Most Positive Curvature*



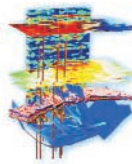
Compared to other attributes, curvature attributes can reveal subtle faults and fine fractures which are normally under the limit of seismic resolution but, in many cases, have significant impact on oil and gas reservoir evaluation, as well as unconventional resources.

Since 2006, volume-based curvature attributes have been developed on dip/azimuth. Although the method has shown good promise, in practice, it is extremely slow.

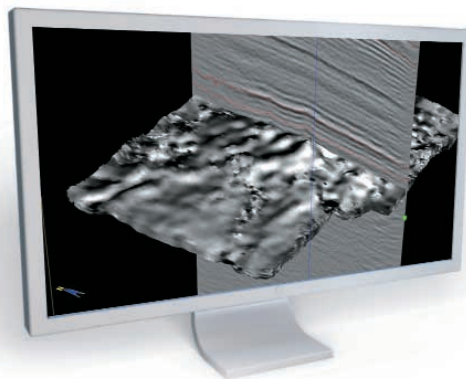
Geomodeling has developed a new scientific method to achieve these results with more accuracy and relatively tremendous speed!

**VisualVoxAt™**

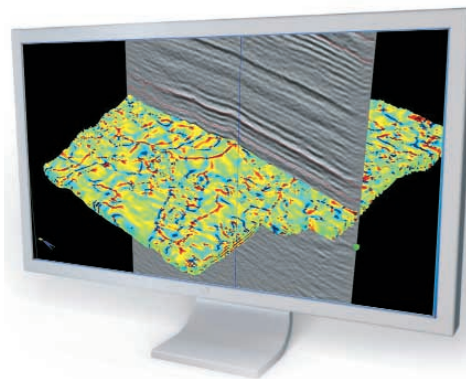
Seismic Attribute Interpretation Software



*Seeing is believing...and seeing the results you've built at your desktop is the critical proof.*

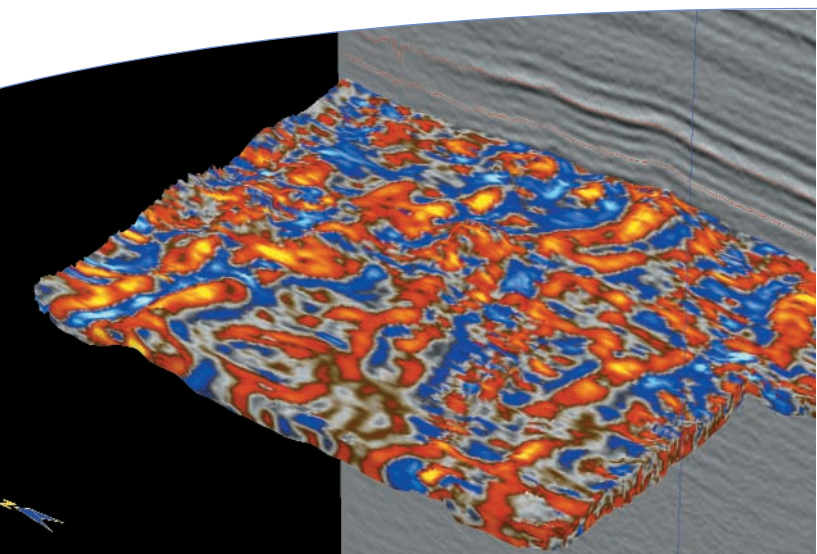


*Lambertian Reflectance*



*Contour*

Innovation = technology + approach



*Dip Curvature*

With Geomodeling's volume curvature module, geoscientists can calculate the following curvature attributes directly from a 3-D seismic volume without picking horizons:

- curvedness curvature
- dip angle
- dip curvature
- strike curvature
- azimuth
- Gaussian curvature
- Lambertian reflectance
- maximum curvature
- mean curvature
- minimum curvature
- most negative curvature
- most positive curvature
- shape index

Let Geomodeling show you how volume curvature detects information that your other attributes cannot show you – and faster - all within our VisualVoxAt software! VisualVoxAt is integrated software for seismic attribute generation, visualization, calibration, classification and interpretation.



[www.geomodeling.com](http://www.geomodeling.com)

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