



Post-Stack Seismic Data Processing

KINGDOM TracePAK

KINGDOM's TracePAK combines analytical tools and algorithms, enabling geoscientists to process and analyze stacked 2D and 3D seismic data. 57 different volume computations are available, ranging from time-to-depth conversion to deconvolution. TracePAK can also generate velocity volumes from time-depth grid pairs.

The most popular transforms are:

- Hilbert
- Phase Rotation
- Instantaneous Phase and Instantaneous Frequency

Geoscientists can also calculate the survey spectrum and statistics, extract individual traces to text or SEG Y, and compute or extract wavelets.

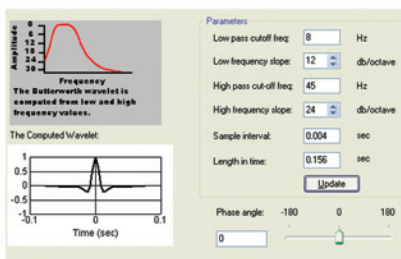
The trace calculator has 30 operators. You can compute differences between volumes (near minus far stacks, for example), ratios of amplitudes, arctangents, peak detection, etc. Operators can be applied to a single seismic volume or single trace or to a set of volumes or traces in 2D or 3D.

Benefits

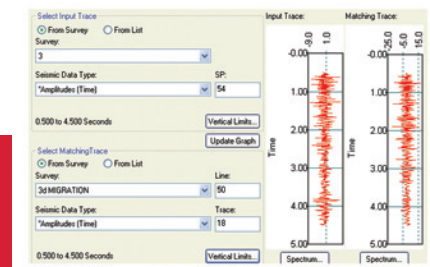
- Increase productivity and accuracy.
- Reduce project cycle times.
- Decrease risk and costs.

TracePAK Key Features

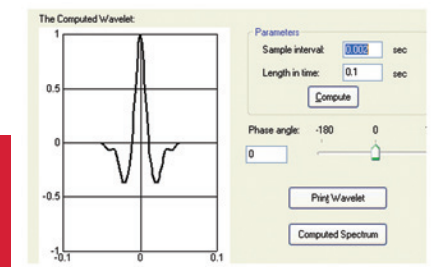
- Create summary analyses of survey: histogram of amplitudes, amplitude and phase spectrums, and amplitude trend.
- Survey Statistics including histogram of amplitudes, phase, phase spectrum and amplitude trend.
- Trace Calculator.
 - Multiple trace processes: Hilbert attributes, Phase Rotation, AGC, Time <-> Depth Conversion, Filters, Peak to Trough Ratio, Whitening, Matching Filters, Inversion, Despiking, Scaling, Resample



Butterworth Bandpass



Matching Dialog Box



Computed Wavelet



About Us

Since 1984, Seismic Micro-Technology, Inc. (SMT) has provided the upstream E&P industry with innovative software solutions that have changed the game for ease of use, cost-effectiveness and total integration. We developed the first geoscience interpretation tools for the Windows® environment to help fast-track interpretation, collaboration and decision-making while delivering exceptional accuracy and consistency. Today, SMT is the global leader for geoscientific interpretation software- now used by geoscientists in 100 countries.

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TOLL FREE +1 877.768.9432

USA +1 713.464.6188

UK +44 (0) 20.8240.6524

Singapore +65 6220.1089

Canada +1 403.303.3365

Russia +7 495.980.89.82

Dubai +971 4.3266300

Rio +55 21.9298.3389

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