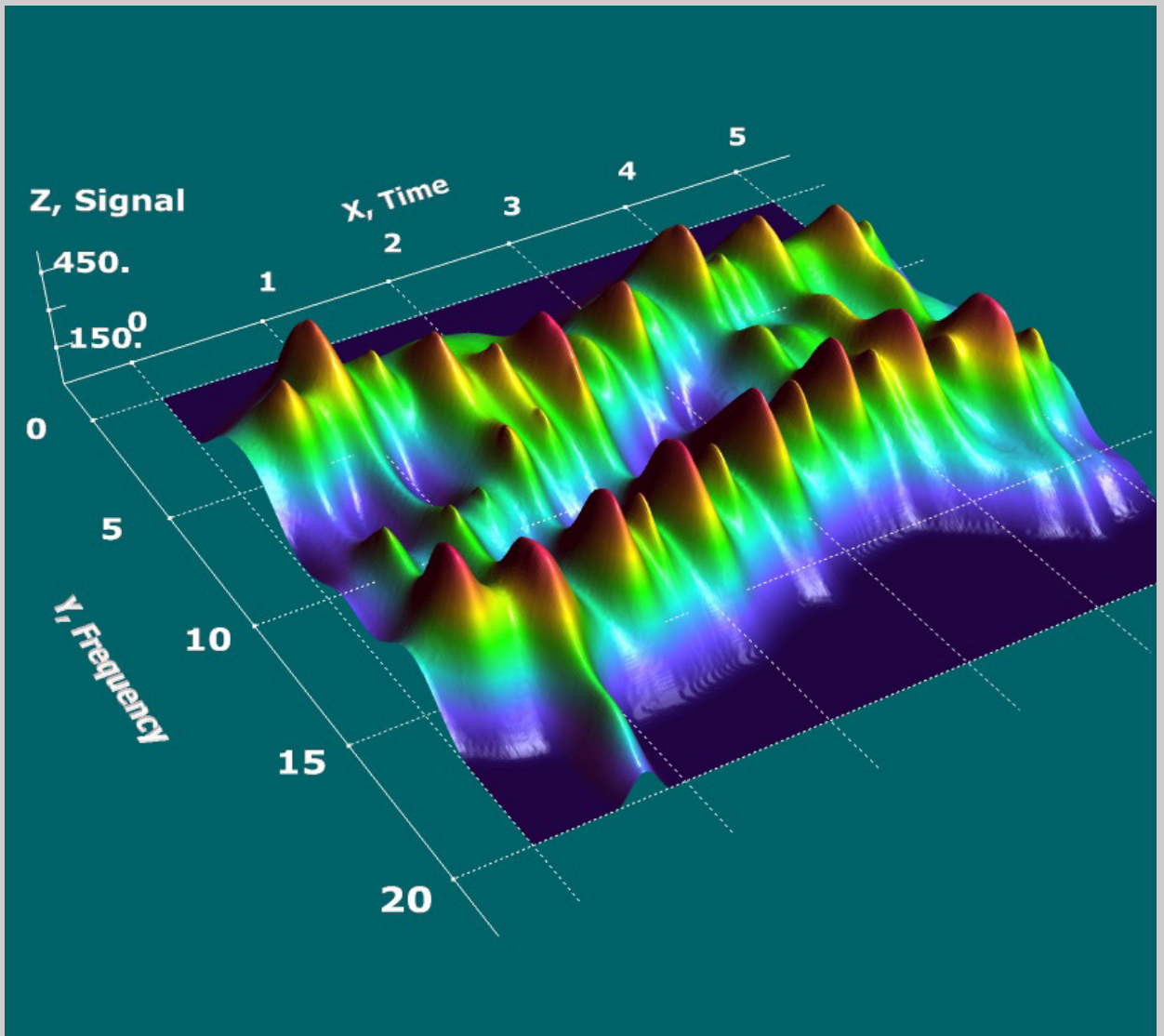


ScienceGL

3D Spectroscopy for EEG



ScienceGL Software

Advanced visualization in Electroencephalography

3D visualization software for EEG and biofeedback

Electroencephalography (EEG) can significantly benefit from the 3D real time data representation. 3D spectroscopy is known to be important in identification of the short lasting spectral features and their characteristics in time and frequency domain. The software helps the user to perform faster and more accurate extraction of signal spectral features by means of 3D spectroscopy. The EEG visualization and analysis software tools, developed by ScienceGL, are useful for Neurodiagnostics, Neurology, Neuromonitoring, Biofeedback, and similar applications.

Features:

- 3D surface type visualization of time resolved FFT spectra
- 3D Photo-realistic representation
- Fast hardware accelerated graphics
- Multiple Layer spectra for correlation analysis
- Interactive measurement tools
- Interactive movement and rotation of images in real time with mouse
- Zoom, Pan in all directions
- Coloring and shadowing for maximum data perception.
- Real time visualization during data acquisition with live 3D update
- Continuous scrolling mode
- Multiple channels
- During session and post session analysis
- Detailed correlation plots
- Data filters

Interactive Tools:

- 3D markers
- Volume Cube
- Distance with plane
- Distance with 3D Pins
- Intersection read out plane (free movable)
- Orthogonal XYZ Planes
- Mouse position read out
- Range of interest ROI selection

Optional Modules

- Measurement reports
- AVI animation output
- Multiple image format support
- Custom features

Platform:

- Windows XP, 2K, NT, 9x
- Turn key application or component
- C#, .NET, ActiveX.

