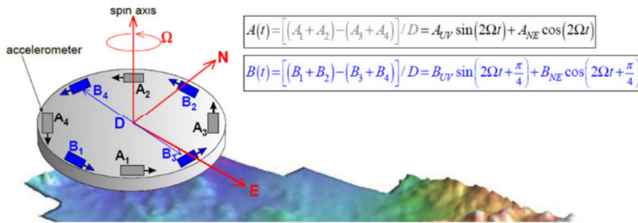


All tools GDB, Petrel, ESRI-ready

- INTREPID supports multi-band databases
- Support for Geosoft.GDB
- Support for Petrel/Eclipse semi-regular 3D grids
- Direct access to Intrepid from Oasis Montaj
- Directly merge Petrel grid files

Gridding

- Akima, nearest neighbour, bi-cubic spline or minimum curvature (MINQ)
- Expanded multi-dataset gridding
- Variable density gridding (gravity)
- Full tensor gridding (SLERP) & tensor grid refinement using linear differentials (MITRE)
- Special Support for FALCON

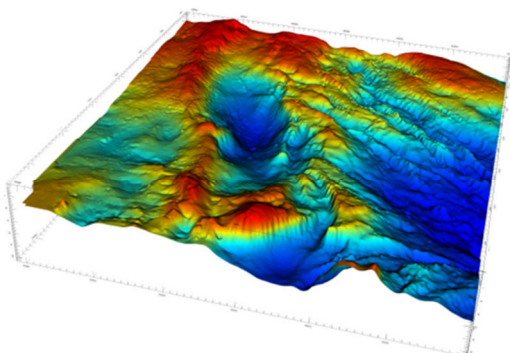


Line Filter

- Spectral, Spatial Convolution & Specials
- full tensor grid FFT, spectral tensor grids
- low, high, band pass, band reject, integration
- Vertical & horizontal derivative
- Upward, downward and variable continuation
- Fourier Hilbert, Fuller, smoothed Fuller
- Variable RTP, vertical & horizontal component

2D / 3D Grid Filter

- FFT, Spatial convolution and tensor convolution
- Variable RTP, full tensor grid FFT
- low, high, band pass, integration
- Vertical & horizontal derivative, continuation
- AS, TH Derivative, Directional Cosine, Hilbert Transform, Matched Filter, Butterworth, Gaussian, Susceptibility



Processing Tools

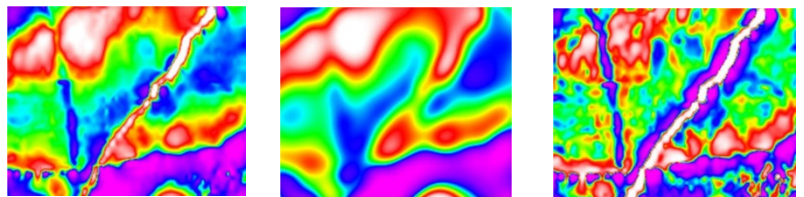
- Multi-survey clever data extraction
- Clever visualization and editing of tensor/vectors
- Filtering: Line, grid and voxel
- Leveling: Marine & airborne
- Gradient gridding
- Gravity corrections
- Grid merge with minimal propagation of errors, micro-leveling (100's of grids)
- Radiometrics processing

Gravity Supported Tools

- Land, Marine, Airborne
- Scintrex, MGL, LCR, GT, ZLS, FTG/AGG systems, etc
- Future-proofed meter data (via .ddf data description files)
- Contains a dedicated structure for FALCON data preserving all recorded components.
- Intuitive combined graphical representation of all (XY and UV) for both complements (A & B)

Inversion / Interpretation Tools

- Spectral Depth Filtering
- Depth to basement (eg., Euler and more)
- Multi-scale edge detection (worms)
 - auto-creation of fault networks
- Dykes swarm characterization (Naudy)
 - for tensor mag / gravity profile data
 - Strike/Dip/Tilt
- Export of 3D structural geology elements from geophysics to *GeoModeller*: dykes, faults, surfaces



Spectral Depth Filtering method to estimate the depth of your geophysical sources. Shown left to right: Input TMI split into signals from deep sources and shallow sources.

New features !

- 'Sea-g', exclusive App for Micro-g Lacoste marine gravity meters
- **Anisotropic clustering** - applied for: surface thinning, fault surfaces
- **Basalt sill modelling** and identification – heterogeneous characterization
- **Multi-threaded terrain correction** method for tensor data Variable drape height continuation for FTG tensor data
- **3D Explore visualisation** for editing & visualisation of 2D/3D grids, voxets, meshes & databases (includes tensors, vectors)
- **3D Explore**: Linked DB-table, profile, spectral and grid views.
- Transparency slider.
- **3D visuals** of Worme, Naudy and Euler results