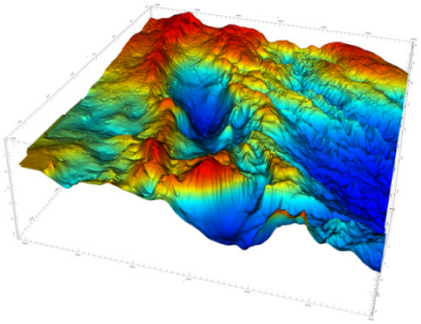
Business Benefits with *INTREPID* software

- ***Generate prospects and delineate targets***
- ***Increase the value of your returns from data acquisition***
- ***Gain highest possible resolution of geology from potential field geophysics data***
- ***Access Full Tensor support***
- ***Innovative and practical interpretation tools***
- ***GeoModeller & Intrepid together: A cost-effective and complete package for exploring and characterizing Minerals, Oil & Gas, Groundwater and Geothermal prospects***



Intrepid is a software suite with extensive capabilities in airborne, ground and marine: magnetics and gravity, plus multi-channel radiometrics data processing.

The stand-alone modules of *Intrepid* deliver comprehensive tools for QC, processing, filtering, interpretation and visualisation of potential field geophysics survey data. *Intrepid* also provides capacity to process, interpret and grid airborne magnetic and gravity gradiometry data; both Full Tensor Gradiometry (FTG) and Falcon data.

Capabilities:

Import, access and export data (Utilities eg., Projection conversion, Survey distance calculator)
Edit, transform and manage data (Spreadsheet editor, Profile editor, Flight path editor)
Line filtering, Grid filtering (FFT, Grid convolution)
Data extraction (sub-sectioning)
Linked Displays of map, tables and profiles (including *3D Explore*)
QC tool kit (Moving Platform: Airborne, Marine processing)
Correct magnetic, gravity and radiometric data with special-purpose tools
Comprehensive Gridding (wide range of algorithms): Variable density gridding, grid gradients, Grid merge and Grid merge Pro
Leveling airborne (Tie-line, micro-leveling, decorrugation, Loop leveling)
Tensor data processing - Full Tensor Gradiometry (FTG) and Falcon
Interpretation tools – Multi-Scale Edge Detection (worming for structural analysis)
Depth to basement methods: Naudy, Murthy and Rao, Euler, Extended Euler and matched filter

Special features:

- **Superior gridding algorithms; Variable Density Gridding**
- All Intrepid tools support **Full Tensors** (Editor, Line/Grid Filter, Levelling, Gridding, Euler etc)
- **Grid-Merge**, best algorithms employed (Geoscience Australia has given a testimonial to this)
- **Automatic modelling** outputs go straight into *GeoModeller* for building *geology from geophysics*
- **WormE** ('Multi-scale edge detection' with depth conversion for UC levels) delivers results from superior algorithms (soon to include auto-calculation of dips data straight from 3D worms)
- Handles **multiple input datasets**
- File manager **Statistics Tool** is essential for QC
- Comprehensive **Land Gravity Networks** tool

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