

Compare versions in 4.2

| | Viewer | Pro | Pro Geophysics |
|---|--------------------------|---------------------|----------------------------|
| Pricing | Free | \$995/yr | Starts from \$2500/yr |
| | Download | Buy | Contact Us |
| Open format data file | | | |
| Read and write open format geoh5 files | Y | Y | Y |
| Visualization and data editing | | | |
| Object types: drillholes/wells; curves/polylines; wireframe surfaces; 2D grids; 3D block models; regular, tensor, and octree 3D grids; topographically-draped, crooked-line 2D sections | Y | Y | Y |
| Import, visualize, annotate, save, and distribute 3D geoscientific and mining data, models, and embedded documents/files | Y | Y | Y |
| Data types: scalar, vector, text, categorical, and boolean | Y | Y | Y |
| Tabular display of data values linked to visualization | Y | Y | Y |
| Map and 2D profile views | Y | Y | Y |
| Advanced interactive model clipping and slicing | Y | Y | Y |
| Drape points, curves, and surfaces on surfaces | Y | Y | Y |
| Texture drape geoinages and grids on surfaces | Y | Y | Y |
| 2D cross plot | Y | Y | Y |
| GDAL coordinate reference system transformations | - | Y | Y |
| Image registration to geographic locations | - | Y | Y |
| Create and edit objects in 2D and 3D | - | Y | Y |
| Scripting | - | Y | Y |
| Import | | | |
| acQuire GIM Suite database | Y | Y | Y |
| AMIRA TEM | Y | Y | Y |
| ASCII | Y | Y | Y |
| AutoCAD DXF, DWG | Y | Y | Y |
| Datamine | Y | Y | Y |
| ESRI | Y | Y | Y |
| Geoinages BMP JPG TIF (.w) | Y | Y | Y |
| Geosoft XYZ, GRD, GDB | Y | Y | Y |
| GOCAD objects | Y | Y | Y |
| ioGAS | Y | Y | Y |
| Maxwell plates | Y | Y | Y |
| net CDF | Y | Y | Y |
| ODBC drillholes | Y | Y | Y |
| Open Mining Format | Y | Y | Y |
| Raster GeoTIFF, ERS, GRD | Y | Y | Y |
| SEG-Y 2D / 3D | Y | Y | Y |
| VP models | Y | Y | Y |
| UBC-GIF | Y | Y | Y |
| Export | | | |
| Any objects to open source GEOH5 | Y | Y | Y |
| Curves to Geosoft GDB and ESRI SHP | - | Y | Y |
| Points, curves, surfaces, 2D grids, and block models to Open Mining Format | - | Y | Y |
| Points, curves, and surfaces to AutoCAD DXF | - | Y | Y |
| Points, curves, and surfaces to GOCAD ASCII files (mx) | - | Y | Y |
| Drillholes: collar, survey, interval, and point log to CSV files | - | Y | Y |
| Data tables export to CSV | - | Y | Y |

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| | Viewer | Pro | Pro Geophysics |
|---|--------|-----|----------------|
| Export (cont'd) | | | |
| 2D Grid to TIFF and ERS | - | Y | Y |
| Block Models to UBC grid and model, and ASCII (csv.txt) – Leapfrog-friendly | - | Y | Y |
| VP Models | - | Y | Y |
| UBC observation files | - | - | Y |
| Drillholes | | | |
| Advanced drillhole analysis, design, and targeting | - | Y | Y |
| Compute distance to drillholes and visualize on geological model | - | Y | Y |
| Desurvey drillholes | - | Y | Y |
| Data processing | | | |
| Property transfer between Points, Curves, Surfaces, 2D Grid, and Block Model objects | - | Y | Y |
| Minimum curvature gridding | - | Y | Y |
| Fourier domain filtering | - | Y | Y |
| K-means clustering | - | Y | Y |
| Gravity corrections | - | Y | Y |
| Trend removal | - | Y | Y |
| Geophysical Survey Design | | | |
| Ground gravity and magnetics | - | Y | Y |
| Airborne gravity and magnetics | - | Y | Y |
| DC/IP | - | Y | Y |
| Seismic reflection | - | Y | Y |
| Geophysical modelling and inversion | | | |
| Live connection to Maxwell | - | Y | Y |
| EM loop modelling | - | Y | Y |
| 3D grid/block model designer with increasing cell size with depth and padding | - | Y | Y |
| Unlimited gravity, magnetic (TMI), and gravity gradient forward modelling | - | Y | Y |
| Unlimited gravity, magnetic, and gravity gradient inversion | - | Y | Y |
| API for running inversions on on-premise or cloud-hosted HPC environments | - | - | Y |
| Magnetic component and remanent magnetization modelling and inversion | - | - | Y |
| Geologically-constrained inversion | - | - | Y |
| Assign 3D grid/block model cells to geological units | - | - | Y |
| Geological contact and depth to basement inversion | - | - | Y |
| Physical property inversion across all methods | - | - | Y |
| 1D EM data inversion | - | - | Y |
| User interface to UBC-GIF, VP Suite, and SimPEG programs* | - | - | Y |
| Prepare data, create 3D grids, incorporate physical property constraints and run inversions for UBC-GIF and VP Suite programs | - | - | Y |
| Connectivity | | | |
| Python API | Y | Y | Y |
| Live connection to Geoscience INTEGRATOR data management system | Y | Y | Y |
| Live connection to Python including geoapps, plus Python UI creation tools | - | Y | Y |
| Live connection to ioGAS | - | Y | Y |
| Live connection to Maxwell | - | Y | Y |

* UBC-GIF: GRAV3D, GG3D, MAG3D, MVI, DCIP2D, DCIP3D, MVI, OCTGRVDE, OCTMADGE
DCIPOctree, E3DMT (MT/ZTEM), and TDocTree (TEM).

VP Suite: VPmg, VPem1D

SimPEG: MVI, Gravity, DC, IP