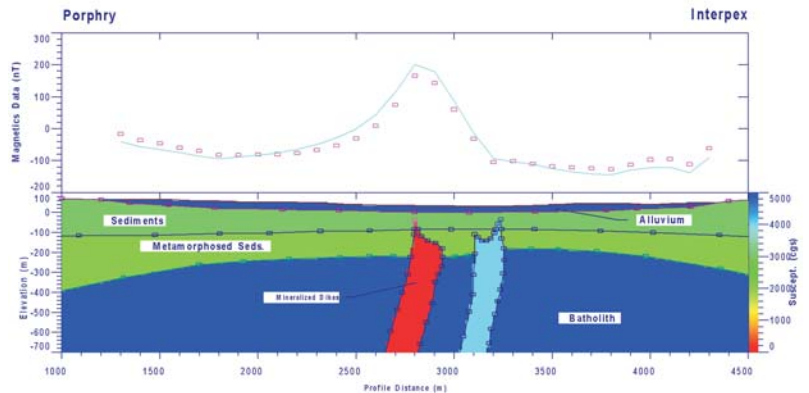
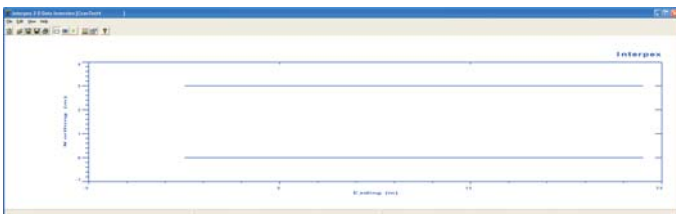


IX2D-GM

2D Grav/Mag Interpretation

IX2D is an interactive 2-D gravity and magnetics forward modeling and inversion package based on polygonal models. It has the following features:

- Supports gravity or magnetics data.
- Supports density for gravity data and susceptibility and remanent magnetization for magnetics data.
- Inversion parameters include density or susceptibility and vertical and/or horizontal movement of selected vertices or bodies.
- Polygons can be bodies or layers. Layers are bodies that close at virtual infinity on the left, right and bottom.
- Polygon bodies can be 2-D or truncated along strike at specified distances in and out of the profile/viewing plane.
- Forward algorithm is based on the Rasmussen and Pedersen method.
- Inman-style Ridge Regression is used for nonlinear least-squares fitting (inversion).
- Remanent magnetization is specified as inclination, declination and Koenigsberger ratio.
- Magnetics data can be magnetic field or gradient data for total field or x, y or z.



Features Include:

- Real-time forward modeling while moving vertices, moving or rotating bodies.
- Inverse modeling with selected parameters.
- Control over free parameters.
- Locking together of vertices.
- User friendly prevention of illegal bodies.
- Hotkeys allow quick changes to graphics - show locks, free vertices or color fill.
- Toolbar buttons offer quick access to most-used functions.
- Virtually no limit on size of data or model.
- Automatic and user-specified labels.
- User-specified line colors.
- Annotated color fill for body parameters.
- Spreadsheet data editors with copy & paste.
- Spreadsheet model editors.
- Optional grid lines on display.
- ASCII File import and export of data, synthetics and models.
- Import of MAGIX Plus/MAGIX XL files.

Gravity/Magnetics Data Entry/Edit

Data Set Name: Porphyry

X Unit: Meters

Z Unit: Meters

Use Masked Points? Magnetics Data

No.	East	North	Station	Surface	Magnetics	Mask?
1	1300.0	0.0000	1300.0	66.000	-16.303	
2	1400.0	0.0000	1400.0	67.000	-35.603	
3	1500.0	0.0000	1500.0	65.000	-45.662	
4	1600.0	0.0000	1600.0	63.000	-59.456	
5	1700.0	0.0000	1700.0	60.000	-69.266	
6	1800.0	0.0000	1800.0	58.000	-82.322	
7	1900.0	0.0000	1900.0	55.000	-82.329	
8	2000.0	0.0000	2000.0	52.000	-80.320	
9	2100.0	0.0000	2100.0	52.000	-79.940	
10	2200.0	0.0000	2200.0	53.000	-75.948	
11	2300.0	0.0000	2300.0	50.000	-66.025	
12	2400.0	0.0000	2400.0	45.000	-52.464	
13	2500.0	0.0000	2500.0	40.000	-30.136	
14	2600.0	0.0000	2600.0	38.000	8.9547	

Sensor Elevation: Same as Surface From Sea Level Above Surface

Buttons: Insert Cell, Delete Cell, Insert Row, Delete Row, Column Math: Add To, Multiply By, OK, Cancel

