

Feature	Free					Academic Packages					Near Surface/Geotechnical Series			
	EMIGMA BASIC	EMIGMA for Academics	FEM	Potential Fields	Complete PREMIUM	Complete Professional	Resistivity IP	FEM	Magnetics					
BASIC tools														
Database backbone	*	*	*	*	*	*	*	*	*	*	*	*	*	
Unlimited Survey Size	*	*	*	*	*	*	*	*	*	*	*	*	*	
Plotting	*	*	*	*	*	*	*	*	*	*	*	*	*	
Data editing	*	*	*	*	*	*	*	*	*	*	*	*	*	
Raw Gravity Corrections	*	*	*	*	*	*	*	*	*	*	*	*	*	
Data merging	*	*	*	*	*	*	*	*	*	*	*	*	*	
Trend removal	*	*	*	*	*	*	*	*	*	*	*	*	*	
Co-ordinate grid translations	*	*	*	*	*	*	*	*	*	*	*	*	*	
Decimation filters	*	*	*	*	*	*	*	*	*	*	*	*	*	
Averaging filters	*	*	*	*	*	*	*	*	*	*	*	*	*	
Interpolation filters	*	*	*	*	*	*	*	*	*	*	*	*	*	
Spatial filters -1D/2D	*	*	*	*	*	*	*	*	*	*	*	*	*	
mean,median,Gaussian,spline	*	*	*	*	*	*	*	*	*	*	*	*	*	
Gridding/gradients gridding	*	*	*	*	*	*	*	*	*	*	*	*	*	
Local - Natural Neighbor, Shepard, Delauney	*	*	*	*	*	*	*	*	*	*	*	*	*	
Global - Minimum Curvature, Splines	*	*	*	*	*	*	*	*	*	*	*	*	*	
rectangular grid cells	*	*	*	*	*	*	*	*	*	*	*	*	*	
Contouring	*	*	*	*	*	*	*	*	*	*	*	*	*	
Data surfaces	*	*	*	*	*	*	*	*	*	*	*	*	*	
3D Visualizer	*	*	*	*	*	*	*	*	*	*	*	*	*	
PseudoShow	*	*	*	*	*	*	*	*	*	*	*	*	*	
Export functions	*	*	*	*	*	*	*	*	*	*	*	*	*	
data,images	*	*	*	*	*	*	*	*	*	*	*	*	*	
Mapping tools - Geotiff Import/Export	*	*	*	*	*	*	*	*	*	*	*	*	*	
raster calibration, annotation, underlays	*	*	*	*	*	*	*	*	*	*	*	*	*	
SURVEY STYLES														
ground	*	*	*	*	*	*	*	*	*	*	*	*	*	
airborne	*	*	*	*	*	*	*	*	*	*	*	*	*	
borehole	*	*	*	*	*	*	*	*	*	*	*	*	*	
marine	*	*	*	*	*	*	*	*	*	*	*	*	*	
cross borehole	*	*	*	*	*	*	*	*	*	*	*	*	*	
POTENTIAL FIELD PROCESSING														
total field, components, derivatives	*	*	*	*	*	*	*	*	*	*	*	*	*	
derivative calculation	*	*	*	*	*	*	*	*	*	*	*	*	*	
upward continuation	*	*	*	*	*	*	*	*	*	*	*	*	*	
downward continuation	*	*	*	*	*	*	*	*	*	*	*	*	*	
wavelength filters	*	*	*	*	*	*	*	*	*	*	*	*	*	
Reduction-to-the-Pole	*	*	*	*	*	*	*	*	*	*	*	*	*	
FFT, enhanced FFT, equivalent source	*	*	*	*	*	*	*	*	*	*	*	*	*	
magnetic Compensation	*	*	*	*	*	*	*	*	*	*	*	*	*	
gradient de-Rotation	*	*	*	*	*	*	*	*	*	*	*	*	*	
INVERSION														
imaging	*	*	*	*	*	*	*	*	*	*	*	*	*	
Apparent resistivity inversions	*	*	*	*	*	*	*	*	*	*	*	*	*	
Sengpiel Depths for Airborne FEM	*	*	*	*	*	*	*	*	*	*	*	*	*	
Airborne TEM CDI	*	*	*	*	*	*	*	*	*	*	*	*	*	
layered 1D inversions ³	*	*	*	*	*	*	*	*	*	*	*	*	*	
Smooth Overparametrized	*	*	*	*	*	*	*	*	*	*	*	*	*	
Marquardt	*	*	*	*	*	*	*	*	*	*	*	*	*	
Thickness constraints	*	*	*	*	*	*	*	*	*	*	*	*	*	
Resistivity bounds	*	*	*	*	*	*	*	*	*	*	*	*	*	
Entire surveys	*	*	*	*	*	*	*	*	*	*	*	*	*	
TEM MultiStation, MultiComponent	*	*	*	*	*	*	*	*	*	*	*	*	*	
Section contouring and display	*	*	*	*	*	*	*	*	*	*	*	*	*	
3D volume display and slicing	*	*	*	*	*	*	*	*	*	*	*	*	*	
3D inversions ²	*	*	*	*	*	*	*	*	*	*	*	*	*	
Constrained Linear inversion	*	*	*	*	*	*	*	*	*	*	*	*	*	
Inversions for Gradients	*	*	*	*	*	*	*	*	*	*	*	*	*	
3D starting model	*	*	*	*	*	*	*	*	*	*	*	*	*	
Inversion grid starting model	*	*	*	*	*	*	*	*	*	*	*	*	*	
Airborne	*	*	*	*	*	*	*	*	*	*	*	*	*	
Ground	*	*	*	*	*	*	*	*	*	*	*	*	*	
Borehole	#	#	#	#	#	#	#	#	#	#	#	#	#	
Multi dataset Inversions	*	*	*	*	*	*	*	*	*	*	*	*	*	
Suite of Models	*	*	*	*	*	*	*	*	*	*	*	*	*	
plate suite	*	*	*	*	*	*	*	*	*	*	*	*	*	
layer suite	*	*	*	*	*	*	*	*	*	*	*	*	*	
prism suite	*	*	*	*	*	*	*	*	*	*	*	*	*	
Quasi-3D for Potential Fields	*	*	*	*	*	*	*	*	*	*	*	*	*	
3D Extended Euler	*	*	*	*	*	*	*	*	*	*	*	*	*	
Filtering	*	*	*	*	*	*	*	*	*	*	*	*	*	
Clustering	*	*	*	*	*	*	*	*	*	*	*	*	*	
Magnetization Vectors	*	*	*	*	*	*	*	*	*	*	*	*	*	
MODELLING														
3D Prisms	*	*	*	*	*	*	*	*	*	*	*	*	*	
2D Prisms	*	*	*	*	*	*	*	*	*	*	*	*	*	
3D Thin-Sheets	*	*	*	*	*	*	*	*	*	*	*	*	*	
Polyhedra models	*	*	*	*	*	*	*	*	*	*	*	*	*	
Multiple Prisms	*	*	*	*	*	*	*	*	*	*	*	*	*	
Multiple Plates	*	*	*	*	*	*	*	*	*	*	*	*	*	
Linear (Weak) Algorithms ²	*	*	*	*	*	*	*	*	*	*	*	*	*	
Non-Linear Algorithms	*	*	*	*	*	*	*	*	*	*	*	*	*	
High Accuracy Inductive Plates	*	*	*	*	*	*	*	*	*	*	*	*	*	
Scattering Interactions	*	*	*	*	*	*	*	*	*	*	*	*	*	
Frequency-to-Time transforms	*	*	*	*	*	*	*	*	*	*	*	*	*	
system specific/bandwidth limited/calibrated	*	*	*	*	*	*	*	*	*	*	*	*	*	
XHOLE Tools														
Tomography	*	*	*	*	*	*	*	*	*	*	*	*	*	
3D Modelling	*	*	*	*	*	*	*	*	*	*	*	*	*	
grounded/ungrounded electric antennae	*	*	*	*	*	*	*	*	*	*	*	*	*	
magnetic dipole antennae	*	*	*	*	*	*	*	*	*	*	*	*	*	

Notes: 1 : includes magnetics 2: for gravity,magnetics or resistivity #: Release 2011

Feature	Premium Series											
	Gravity	Magnetics	FEM	TEM	Potential Fields	Airborne FEM ¹	Airborne TEM-FEM ¹	Res / IP	CSAMT	MT/VLFR	GROUND & Borehole	Complete Premium
BASIC tools												
Database backbone	*	*	*	*	*	*	*	*	*	*	*	*
Unlimited Survey Size	*	*	*	*	*	*	*	*	*	*	*	*
Plotting	*	*	*	*	*	*	*	*	*	*	*	*
Data editing	*	*	*	*	*	*	*	*	*	*	*	*
Raw Gravity Corrections	*	*	*	*	*	*	*	*	*	*	*	*
Data merging	*	*	*	*	*	*	*	*	*	*	*	*
Trend removal	*	*	*	*	*	*	*	*	*	*	*	*
Co-ordinate grid translations	*	*	*	*	*	*	*	*	*	*	*	*
Decimation filters	*	*	*	*	*	*	*	*	*	*	*	*
Averaging filters	*	*	*	*	*	*	*	*	*	*	*	*
Interpolation filters	*	*	*	*	*	*	*	*	*	*	*	*
Spatial filters -1D/2D	*	*	*	*	*	*	*	*	*	*	*	*
mean,median,Gaussian,spline	*	*	*	*	*	*	*	*	*	*	*	*
Gridding/gradients gridding	*	*	*	*	*	*	*	*	*	*	*	*
Local - Natural Neighbor, Shepard, Delauney	*	*	*	*	*	*	*	*	*	*	*	*
Global - Minimum Curvature, Splines	*	*	*	*	*	*	*	*	*	*	*	*
rectangular grid cells	*	*	*	*	*	*	*	*	*	*	*	*
Contouring	*	*	*	*	*	*	*	*	*	*	*	*
Data surfaces	*	*	*	*	*	*	*	*	*	*	*	*
3D Visualizer	*	*	*	*	*	*	*	*	*	*	*	*
PseudoShow	*	*	*	*	*	*	*	*	*	*	*	*
Export functions	*	*	*	*	*	*	*	*	*	*	*	*
data,images	*	*	*	*	*	*	*	*	*	*	*	*
Mapping tools - Geotiff Import/Export	*	*	*	*	*	*	*	*	*	*	*	*
raster calibration, annotation, underlays	*	*	*	*	*	*	*	*	*	*	*	*
SURVEY STYLES												
ground	*	*	*	*	*	*	*	*	*	*	*	*
airborne	*	*	*	*	*	*	*	*	*	*	*	*
borehole	*	*	*	*	*	*	*	*	*	*	*	*
marine	*	*	*	*	*	*	*	*	*	*	*	*
cross borehole	*	*	*	*	*	*	*	*	*	*	*	*
POTENTIAL FIELD PROCESSING												
total field, components, derivatives	*	*	*	*	*	*	*	*	*	*	*	*
derivative calculation	*	*	*	*	*	*	*	*	*	*	*	*
upward continuation	*	*	*	*	*	*	*	*	*	*	*	*
downward continuation	*	*	*	*	*	*	*	*	*	*	*	*
wavelength filters	*	*	*	*	*	*	*	*	*	*	*	*
Reduction-to-the-Pole	*	*	*	*	*	*	*	*	*	*	*	*
FFT, enhanced FFT, equivalent source	*	*	*	*	*	*	*	*	*	*	*	*
magnetic Compensation	*	*	*	*	*	*	*	*	*	*	*	*
gradient de-Rotation	*	*	*	*	*	*	*	*	*	*	*	*
INVERSION												
imaging	*	*	*	*	*	*	*	*	*	*	*	*
Apparent resistivity inversions	*	*	*	*	*	*	*	*	*	*	*	*
Sengpiel Depths for Airborne FEM	*	*	*	*	*	*	*	*	*	*	*	*
Airborne TEM CDI	*	*	*	*	*	*	*	*	*	*	*	*
layered 1D inversions ³	*	*	*	*	*	*	*	*	*	*	*	*
Smooth Overparametrized	*	*	*	*	*	*	*	*	*	*	*	*
Marquardt	*	*	*	*	*	*	*	*	*	*	*	*
Thickness constraints	*	*	*	*	*	*	*	*	*	*	*	*
Resistivity bounds	*	*	*	*	*	*	*	*	*	*	*	*
Entire surveys	*	*	*	*	*	*	*	*	*	*	*	*
TEM MultiStation, MultiComponent	*	*	*	*	*	*	*	*	*	*	*	*
Section contouring and display	*	*	*	*	*	*	*	*	*	*	*	*
3D volume display and slicing	*	*	*	*	*	*	*	*	*	*	*	*
3D inversions ²	*	*	*	*	*	*	*	*	*	*	*	*
Constrained Linear inversion	*	*	*	*	*	*	*	*	*	*	*	*
Inversion for Gradients	*	*	*	*	*	*	*	*	*	*	*	*
3D starting model	*	*	*	*	*	*	*	*	*	*	*	*
Inversion grid starting model	*	*	*	*	*	*	*	*	*	*	*	*
Airborne	*	*	*	*	*	*	*	*	*	*	*	*
Ground	*	*	*	*	*	*	*	*	*	*	*	*
Borehole	#	#	#	#	#	#	#	#	#	#	#	#
Multi dataset Inversions	*	*	*	*	*	*	*	*	*	*	*	*
Suite of Models	*	*	*	*	*	*	*	*	*	*	*	*
plate suite	*	*	*	*	*	*	*	*	*	*	*	*
layer suite	*	*	*	*	*	*	*	*	*	*	*	*
prism suite	*	*	*	*	*	*	*	*	*	*	*	*
Quasi-3D for Potential Fields	*	*	*	*	*	*	*	*	*	*	*	*
3D Extended Euler	*	*	*	*	*	*	*	*	*	*	*	*
Filtering	*	*	*	*	*	*	*	*	*	*	*	*
Clustering	*	*	*	*	*	*	*	*	*	*	*	*
Magnetization Vectors	*	*	*	*	*	*	*	*	*	*	*	*
MODELLING												
3D Prisms	*	*	*	*	*	*	*	*	*	*	*	*
2D Prisms	*	*	*	*	*	*	*	*	*	*	*	*
3D Thin-Sheets	*	*	*	*	*	*	*	*	*	*	*	*
Polyhedra models	*	*	*	*	*	*	*	*	*	*	*	*
Multiple Prisms	*	*	*	*	*	*	*	*	*	*	*	*
Multiple Plates	*	*	*	*	*	*	*	*	*	*	*	*
Linear (Weak) Algorithms ²	*	*	*	*	*	*	*	*	*	*	*	*
Non-Linear Algorithms	*	*	*	*	*	*	*	*	*	*	*	*
High Accuracy Inductive Plates	*	*	*	*	*	*	*	*	*	*	*	*
Scattering Interactions	*	*	*	*	*	*	*	*	*	*	*	*
Frequency-to-Time transforms	*	*	*	*	*	*	*	*	*	*	*	*
system specific/bandwidth limited/calibrated	*	*	*	*	*	*	*	*	*	*	*	*
XHOLE Tools												
Tomography	*	*	*	*	*	*	*	*	*	*	*	*
3D Modelling	*	*	*	*	*	*	*	*	*	*	*	*
grounded/ungrounded electric antennae	*	*	*	*	*	*	*	*	*	*	*	*
magnetic dipole antennae	*	*	*	*	*	*	*	*	*	*	*	*

3 : for FDEM, TDEM or Resistivity

o : upgrade option

• : included feature