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

Feature	Premium Series													
	Gravity	Magnetics	FEM	TEM	Potential Fields	Airborne FEM[1]	Airborne TEM+VEM[1]	Res / IP	CSAMT	MT/VLFR	MMR	Oil & Gas	GROUND & Borehole	Complete Premium
						[1]includes Magnetics								
BASIC tools														
Database backbone	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Unlimited Survey Size	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Plotting	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Data editing	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Raw Gravity Corrections	x	x			x								x	x
Topographic Corrections for Gravity and/or Magnetics	x	x			x							x	x	x
Data merging	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Trend removal	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Co-ordinate grid translations	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Decimation filters	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Averaging filters	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Interpolation, Outlier filters	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Spatial filters -1D/2D														
mean,median,Gaussian,spline	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Gridding/gradient gridding														
Local - Natural Neighbor,Shepard, Delauney	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Global - Minimum Curvature. Splines	x	x	x	x	x	x	x	x	x	x	x	x	x	x
rectangular grid cells	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Contouring	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Data surfaces	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3D Visualizer including CAD import/export	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PseudoShow	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Export functions - Data (Measured and Simulated), Im	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Mapping tools - GeotiffImport/Export, .dxf import/export, kml	x	x	x	x	x	x	x	x	x	x	x	x	x	x
raster calibration, annotation, underlays														
SURVEY STYLES														
ground	x	x	x	x	x	x	x	x	x	x	x	x	x	x
airborne	x	x			x	x	x			o		x		x
borehole	x	x	x	x	x			x		o	x	x	x	x
marine	x	x	o	o	x	o	o	o	o	o		x		o
cross borehole			o					o					o	o
POTENTIAL FIELD PROCESSING														
total field, components, derivatives														
derivative calculation	x	x			x	x	x					x	x	x
upward continuation	x	x			x	x	x					x	x	x
downward continuation	x	x			x	x	x					x	x	x
wavelength filters	x	x			x	x	x					x	x	x
Reduction-to-the-Pole		x			x	x	x					x	x	x
FFT, enhanced FFT, equivalent source														
INVERSION														
Imaging														
Apparent resistivity inversions			x	x		x	x	x				x	x	x
Senggiel Depths for Airborne FEM						x	x					x	x	x
Airborne TEM CDI							x					x	x	x
layered 1D inversions[3]														
Smooth Overparametrized			x	x		x	x	x	x	x		x	x	x
Discrete Underparametrized			x	x		x	x	x	x	x		x	x	x
Thickness constraints			x	x		x	x	x	x	x		x	x	x
Resistivity bounds			x	x		x	x	x	x	x		x	x	x
Entire surveys			x	x		x	x	x	x	x		x	x	x
TEM.CSAMT.Resistivity MultiStation, MultiComponent				x			x		x			x	x	x
Section contouring and display			x	x		x	x	x	x	x		x	x	x
3D volume display and slicing			x	x		x	x	x	x	x		x	x	x
3D inversions[2]														
Constrained Linear inversion	x	x			x		x	x	x	x		x	x	x
Inversion for Gradients	x	x			x		x					x	x	x
3D starting model	x	x			x		x	x	x	x		x	x	x
Inversion grid starting model	x	x			x		x	x	x	x		x	x	x
Airborne	x	x			x		x			o		x		x
Ground	x	x			x		x	x	x	x		x	x	x
Borehole	#	#			#		#					#	#	#
Multi dataset Inversions	x	x			x		x					x	x	x
Suite of Models														
plate suite			x	x		x	x		x	x	x	x	x	x
layer suite			x	x		x	x	x	x	x	x	x	x	x
prism suite	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Quasi-3D for Potential Fields														
3D Extended Euler	x	x			x	x	x					x	x	x
Filtering	x	x			x	x	x					x	x	x
Clustering	x	x			x	x	x					x	x	x
Magnetization Vectors		x			x	x	x					x	x	x
MODELLING														
3D Prisms	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2D Prisms	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3D Thin-Sheets - 2 algorithms			x	x		x	x	x	x	x		x	x	x
Polyhedra models	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Multiple Prisms	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Multiple Plates			x	x		x	x	x	x	x	x	x	x	x
Linear (Weak) Algorithms[4]	x	x			x			x				x	x	x
Non-Linear Algorithms	x	x	x	x	x	x	x	x	x	x	x	x	x	x
High Accuracy Inductive Plates			x	x		x	x				x	x	x	x
Scattering Interactions		x	x	x	x	x	x	x	x	x		x	x	x
Frequency-to-Time transforms			x	x		x	x	x			x	x	x	x
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, CSAMT, MT or resistivity** | **# : Release 2013** | **3: for FDEM, TDEM, CSAMT or Resistivity** | **4: for gravity,magnetics or resistivity** | **o : upgrade option** | **☒: included feature**