Near Surface/Geotechnical Series

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

Premium Series

Feature	Gravity	Magnetics	FEM	TEM	Potential Fields	Airborne FEM[1]	Airborne TEM+FEM	Res/IP	CSEM CSAMT	MT/VLR	MMR	Oil & Gas	GROUND & Borehole	Complete Premium
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
Topographic Corrections for Gravity and/or Magnetics	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), Images, CAD files	x	x	x	x	x	x	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	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
airborne	x	x			x	x	x				o		x	x
borehole	x	x	o	o	x	o	o	x	o	o	o		x	x
marine	x	x	o	o	x	o	o	x	o	o	x		x	x
cross borehole			o					x					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
Sengpiel 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		x	x	x
Section contouring and display			x	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	x
3D inversions[2]														
Constrained Linear inversion	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
Inversion grid starting model	x	x			x			x	x	x		x	x	x
Airborne											o		x	x
Ground	x	x			x			x	x	x		x	x	x
Borehole	x	#			#			#				x	#	#
Multi dataset Inversions	x	x			x			x	x			x	x	x
Suite of Models														
plate suite			x	x		x	x			x	x	x	x	x
layer suite			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
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
Linear (Weak) Algorithms[4]	x	x			x			x				x	x	x
Non-Linear Algorithms			x	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	x	x	x	x
Frequency-to-Time transforms			x	x		x	x			x		x	x	x
system specific/bandwidth limited/calibrated														
XHOLE Tools														
Tomography			x					x				x	x	x
3D Modelling			x					x				x	x	x
grounded/ungrounded electric antennae														
magnetic dipole antennae														

Notes: 2: for gravity,magnetics, CSEM, CSAMT, MT or resistivity   3: for FDEM, TDEM,CSEM,CSAMT or Resistivity   4: for gravity,magnetics or resistivity   o : upgrade option   ⊠: included feature