leapfrog®

FAST, DYNAMIC GEOLOGICAL MODELLING

FILE TYPES

Leapfrog Geo 4.5

Leapfrog Geo 4.5 Inputs

- Drillholes
- Meshes/Surfaces
- Points
- Polylines
- GIS Data
- 2D Grids
- Structural Data
- Geophysical Data
- Maps
- Image
- Historical Sections
- MODFLOW and FEFLOW Flow Models
  (with Hydrogeology Module)

Leapfrog Geo 4.5 File Types (Imports)

ELEVATION GRIDS

- Arc/Info ASCII Grid Files (*.asc, *.txt)
- Arc/Info Binary Grid Files (*.adf)
- Digital Elevation Model Files (*.dem)
- Surfer ASCII or Binary Grid Files (*.grd)
- SRTM Files (*.hgt)
- ESRI.hdr Labelled Image Files (*.img, *.bil)
- GeoTIFF Image Files (*.tiff, *.tif)

GIS VECTOR DATA

- Shape Files (*.shp)
- MapInfo Files (*.tab, *.mif)
- ESRI Personal GeoDatabase Files (*.mdb, *.accdb)
- MapInfo Batch File (*.xml)
- ESRI Geodatabase (*.gdb)

2D GRIDS

- Arc/Info ASCII Grid (*.asc, *.txt)
- Arco/Info Binary Grid (*.adf)
- Digital Elevation Model (*.dem)
- Intergraph ERDAS ER Mapper 2D Grid (*.ers)
- ESRI .hdr Labelled Image (*.img, *.bil)
- SRTM .hgt (*.hgt)
- Surfer ASCII or Binary Grid (*.grd)

DRILLHOLE DATA

- CSV Text File (*.csv)
- ASCII Text File (*.asc)
- Plain Text Files (*.txt)
- Data Files (*.dat)
- TSV Text Files (*.tsv)

Files can be imported:

- From files stored locally
- Via ODBC (*.mdb, *.accdb)
- Via acQuire (*.sel)

POINTS

- CSV Files (*.csv)
- ASCII Text Files (*.asc)
- DXF Files (*.dxf)
- Leapfrog Geo 3D Point Data files (*.pl3, *.ara)
- Via ODBC (*.mdb, *.accdb)

STRUCTURAL DATA/LINEATIONS

- CSV Text Files (*.csv)
- ASCII Text Files (*.asc)
- Plain Text Files (*.txt)
- Data Files (*.dat)
- Via ODBC (*.mdb, *.accdb)

MAPS/PHOTOS/CROSS SECTIONS

- PNG Files (*.png)
- JPEG Files (*.jpg, *.jpeg)
- TIFF and GeoTIFF Files (*.tiff, *.tif)
- Windows Bitmap Files (*.bmp)
- Graphics Interchange Format Files (*.gif)

MESHES

- Leapfrog Files (*.msh, *.ara)
- Gocad Files (*.ts)
- DXF Files (*.dxf)
- Surpac Files (*.str, *.dtm)
- Gemcom Files (*.tri)
- Datamine Files (*pt.asc, *tr.asc)
- Micromine Files (*MMpt.dat, *MMtr.dat)
- DXF Polyface Files (*.dxf)
- Alias Wavefront Object Files (*.obj)
- Vulcan Files (*.00t) (with Maptek Link)

POLYLINES

- Datamine Polylines (*.asc)
- Surpac String Polylines (*.str)
- Gemcom Polylines (*.asc)
- Micromine Polylines (*.str, *.asc)
- MineSight Polylines (*.srg)
- Gocad Polylines (*.pl, *.ts)
- Drawing Interchange Polylines (*.dxf)
- Leapfrog Polylines (*.lfpl)
- Leapfrog Polylines (*.csv, *.txt)

GEOPHYSICAL DATA

- DFN FIles (*.dfn)
- UBC Grids (*.msh, *.nev)

BLOCK MODELS

- CSV + Text Header (*.csv, *.csv.txt)
- CSV with Embedded Header (*.csv)
- Isatis Block Model Files (*.asc)

FLOW MODELS
(with Hydrogeology Module)

- MODFLOW Models (*.nam, *.mf, *.mfn)
- FEFLOW Models (*.fem, *.dac)

COLOUR GRADIENTS

- Geosoft Colour Files (*.tbl)
- ERMapper Lookup Tables (*.lut)
- MapInfo Colour Files (*.clr)
- Leapfrog Colour Files (*.lfc)

Leapfrog Geo 4.5 Outputs

- 3D Surfaces and Volumes
- Planned Drillholes
- Drillhole Tables
- Cross Sections
- Images
- Movies
- 3D Scene Files
- Block Models
- Stereonets
- GIS Lines
- Points
- Structural Data
- Polylines

- MODFLOW and FEFLOW Flow Models (with Hydrogeology Module)
- 3D Printed Models
- Publish Project to Central

Leapfrog Geo 4.5 File Types (Exports)

ELEVATION/THICKNESS GRIDS

- Arc/Info ASCII Grid Files (*.asc)
- ESRI .hdr Labelled Files (*.bil)
- ENVI Raster Image Files (*.img)
- Surfer ASCII Grid Files (*.grd)

GIS VECTOR DATA

- Shape Files (*.shp)

MAPS AND PHOTOS

- Geo Tiff Files (*.tif, *.tiff)

DRILLHOLE DATA

- CSV Files (*.csv)

POINTS

- CSV Files (*.csv)
- DXF Files (11/12 [AC1009]) (*.dxf)
- Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

POLYLINES

- Leapfrog Polylines (*.lfpl)
- Leapfrog Polylines (*.csv)
- Drawing Interchange Polylines (*.dxf)

- Surpac String Polylines (*.str)
- Gocad Polylines (*.pl, *.ts)
- MineSight Polylines (*.srg)
- Datamine Polylines (*.asc)
- Micromine Polylines (*.str, *.asc)
- Drawing File (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

STRUCTURAL DATA

- CSV Files (*.csv)

SAVED SCENES (VIEWER/ASPECT)

- Leapfrog Scene (*.lfview)

MOVIES

- Movie Files (*.wmv)

RENDERED IMAGES

- Image Files (*.png, *.jpg, *.jpeg)

MESHES (MODEL SURFACES/OUTPUT VOLUMES/FORM INTERPOLANT SURFACES)

- Leapfrog Files (*.msh)
- Gocad Files (*.ts)
- DXF Files (*.dxf)
- Surpac Files (*.dtm, *.str)
- Gemcom Files (*.tri)
- Datamine Files (*pt.asc, *tr.asc)
- Micromine Files (*MMpt.dat, *MMtr.dat)
- DXF Polyface Files (MineCAD) (*.dxf)
- Alias Wavefront Object Files (*.obj)
- Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

AVAILABLE WITH MAPTEK LINK

- Vulcan (V8) Files (*.00t)
- Vulcan (V7) Files (*.00t)

STEREONETS

- PDF Files (*.pdf)
- Scalable Vector Graphics Files (*.svg)
- PNG Image Files (*.png)

CROSS SECTION LAYOUTS

- PDF Files (*.pdf)
- Scalable Vector Graphics Files (*.svg)
- PNG Image Files (*.png)
- GeoTIFF Files (*.tiff, *.tif)

CROSS SECTION EVALUATIONS

- DXF Files (*.dxf)
- DWG Files (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

GEOPHYSICAL DATA/UBC GRIDS

- Grid (*.msh)
- Properties (*.nev)

BLOCK MODELS

- CSV + Text Header (*.csv, *.csv.txt)
- CSV with Embedded Header (*.csv)
- CSV as points (*.csv)
- Isatis Block Model Files (*.asc)
- Surpac Block Model Files (*.mdl)
- Datamine Block Model Files (*.dm)

FLOW MODELS

(with Hydrogeology Module)

- MODFLOW Models (*.nam)
- FEFLOW Models (*.fem)