

LEAPFROG GEO



leapfrog<sup>®</sup>

FAST, DYNAMIC GEOLOGICAL MODELLING

# FILE TYPES

Leapfrog Geo 4.3

## Leapfrog Geo 4.3 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 4.3 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 (\*.lfp)
- 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 4.3 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 4.3 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)

## 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)

## 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)

## 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)

## 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)