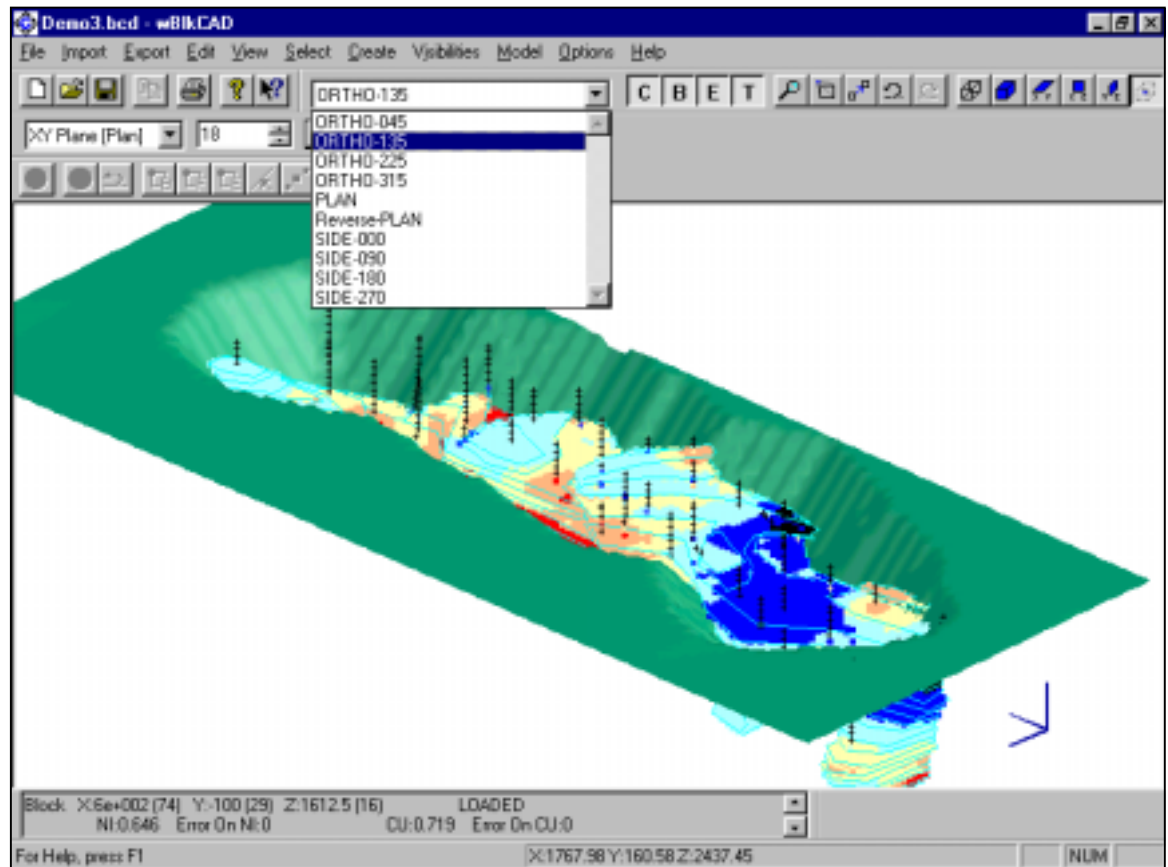


BLKCAD

Block resources modeling



- ◆ Vein, massive, disseminated or multilayered deposits
- ◆ Tonnage/grade(s) of small blocks on a 3D grid
- ◆ Limits: bench outlines and/or top/bottom surface
- ◆ Control over power of 1/d and search ellipsoid
- ◆ Global or local resources

Features

- ◆ Input ASCII file of composites with coordinates and grade(s). Composites can be generated from drill hole data file with the COMPOS DOS application supplied with BLKCAD. Supports varying density in each composite (either input or calculated from grades). No limits on the number of variables (this is for cement people). Input ASCII file is read through a data parser. Composites are shown as points colored according to grade(s).
- ◆ Input ASCII file of rock/ore limits as bench outlines. File can be generated as a result of geological modeling in SECTCAD or made of imported plines from AutoCAD with GEOSTAT.LSP supplied with BLKCAD. Name, color and priority number are assigned to each set of limits read.
- ◆ Input ASCII file of top/bottom surface control points or gridded model. Those files are either derived from a survey system or Quicksurf models in AutoCAD.
- ◆ Full control over block grid parameters (extension and block size along the three coordinate axes).
- ◆ Automatic selection of composites and blocks within each rock/ore set of limits and, if required, between top and bottom surface.
- ◆ Full control over grade(s) interpolation parameters : rock/ore of composites to interpolate blocks in a given rock/ore, power of inverse distance, orientation and size of search ellipsoid and maximum number of closest composites to use. Blocks are colored according to interpolated grade(s) and can be viewed in perspective, on E-W or N-S sections or benches.
- ◆ Resources from blocks within cut-offs either globally or inside mining limits (stopes, pit expansion, blast, yearly or monthly limit...) on any given slice (E-W or N-S section or bench). Mining limits can have any number of vertices and need not be convex. BLKCAD calculates the exact intersection of mining limits with each block. Snap facilities help digitize in mining limits. Vertices of existing mining figures can be edited on screen (move/add/delete) and resources automatically recomputed from underlying blocks.
- ◆ Saving of tonnage/grade(s) of blocks and/or mining figures as ASCII tables to import in Excel. Saving of mining limits as plines to import in AutoCAD with GEOSTAT.LSP.
- ◆ Full or summary report of calculated resources.

Hardware requirements

Pentium computer with at least 32Mb RAM
Windows 95, 98 or NT
Color monitor with SVGA (800x600) mode

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