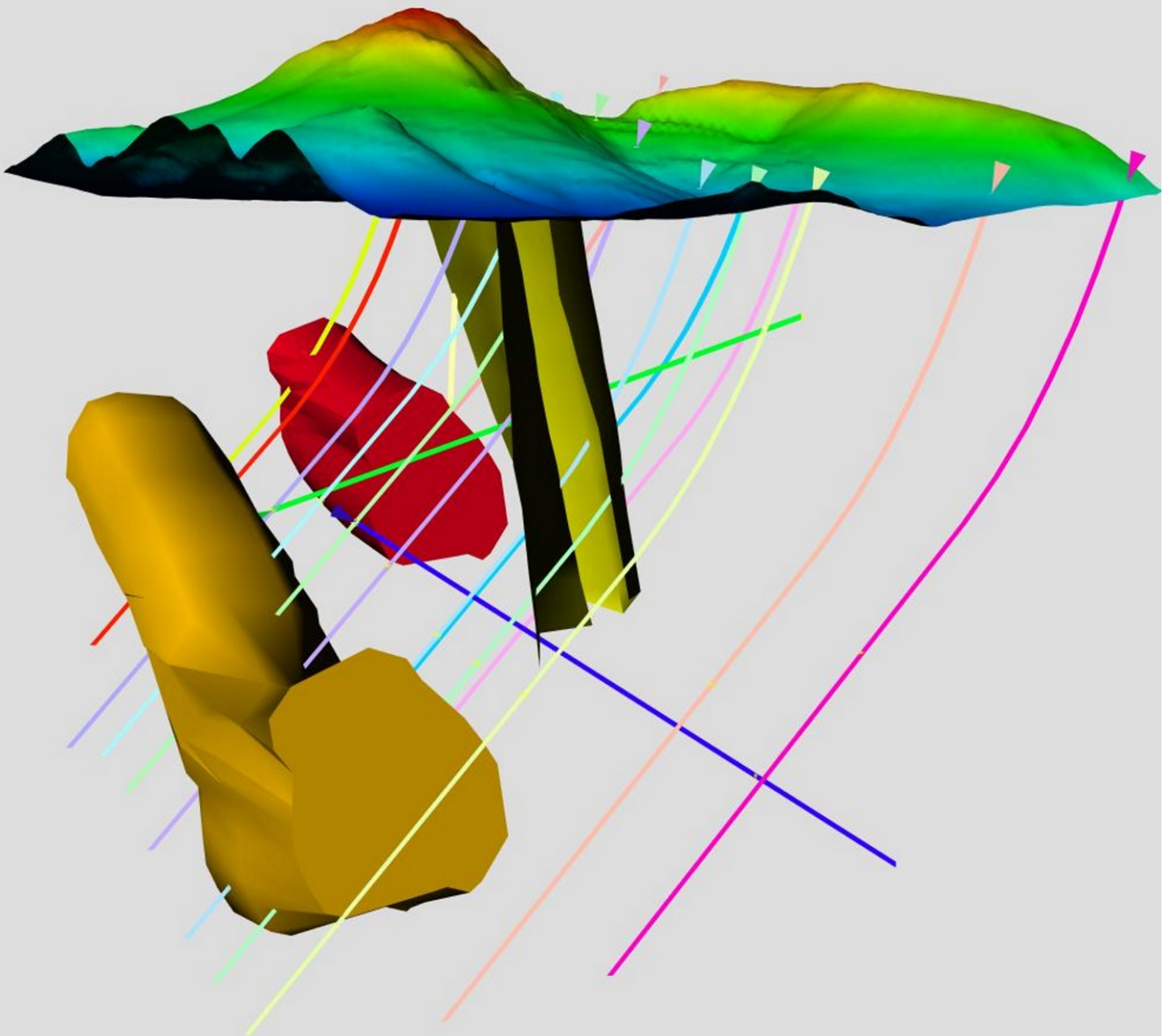




FRACTAL TECHNOLOGIES



FracSIS DRILL HOLE DESIGNER

- Interactively position collar and target locations
- Copy/Paste survey data of existing and planned holes
- Apply movement constraints to collar and target locations
- Snap collar and target location to existing objects and grids
- Export planned drill hole data files to applications

FracSIS Drill Hole Designer

The Drill Hole Designer provides on-screen interactive drill hole planning in an integrated 3D environment. Designing a hole is easy - you click on a target object, or on a collar location, set the depth, azimuth, dip and extension and your hole is done. You can define both target and collar, and the Designer returns azimuth, dip and length of hole. You can even select an existing or planned hole, copy its survey data, and apply it to any other planned holes.

Drill Hole Designer eliminates the need to enter collar coordinates, survey azimuths and dips and downhole intervals into separate files before they can be viewed, as is the case in current mining and exploration packages.

The Drill Hole Designer is a new feature of FracSIS Professional will be released with Version 5.1 later in 2006.

Features

- Drill Hole Designer is fully integrated into FracSIS Professional and can use all lines, points, solids, grids, drill holes and objects as reference points for drill hole planning.
- Drill Hole Designer works on a separate layer, or multiple separate layers, so that different classes or programs of holes can be handled independently.
- Drill holes can be designed by azimuth, dip and depth from collar or target. They can also be located by selecting both collar and target, which reports azimuth, dip and depth. The extension from the target point to the bottom of hole is also defined.
- A cutting plane can be inserted in any orientation and used as a surface on which to define targets. This applies to early exploration areas where no target objects are available.
- The survey data of an existing or designed hole can be copied and used to define the trace of a planned hole. This information can also be applied while fixing either the collar or target of the planned hole. This enables holes that have been surveyed in detail to be used as templates in areas where an existing hole path can be used to predict future behaviour.
- Drill holes can be moved and copied. This enables detailed planning of one hole to be applied to a sequence of similar holes. A coordinate grid can be set at any orientation and line spacing, and used to snap holes at regular intervals.
- Drill holes can be moved while applying constraints to hold the collar or target fixed to enable multiple holes to be planned from or to a single point. The depth of any hole can be varied while holding the survey data constant.
- Individual survey point data can be edited, deleted or added to vary the path of a designed hole. Holes can commence from a point on a drill hole path, enabling the planning of wedges.