Poster Presentation

CavInfo – A New Software Generation for Displaying Cavities, Cavity Fields and Cavity Logs

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CavInfo - A new software generation for displaying cavities, cavity fields and cavity logs

The abbreviation CavInfo stands for cavity information system and is the name for the new generation of software for displaying cavities as well as cavity fields and cavity logs on generally available PCs. The posters will illustrate the numerous and varied display options that are possible when applying the different PC programs making up the recently introduced CavInfo series.

The first component of the CavInfo series is the visualization program CavView. This program allows the user to view and examine cavities as well as determine the differences between cavities at different points in time. A three-dimensional display of a cavity can also be created with CavView as well as volume graphs, volume tables and much more.

CavMap enables the simultaneous presentation of several cavities as a cavity field. It is possible to display entire cavity fields in horizontal and vertical sections as well as in perspective views. CavMap can be used for instance to monitor and display the relationships between neighbouring cavities and to show the topography and geology. The professional version of CavMap is suitable for use as an operations information system as it has an open architecture and moreover its functions are specially adapted to cavity fields.

The third component is the 3D-animation program CavWalk. CavWalk enables the user to take a three-dimensional walk throughout a cavity. With cavity walls no longer presenting a physical barrier, the user can glide into the deepest of hidden leached parts of a cavity.

Finally CavLog enables the display, assessment and output of all logs recorded during a cavity survey, i.e. the entire range from temperature log or gamma-gamma log to dew-point and moisture log. It is possible to correlate data of the shape and the development of a cavity with the recorded logs.