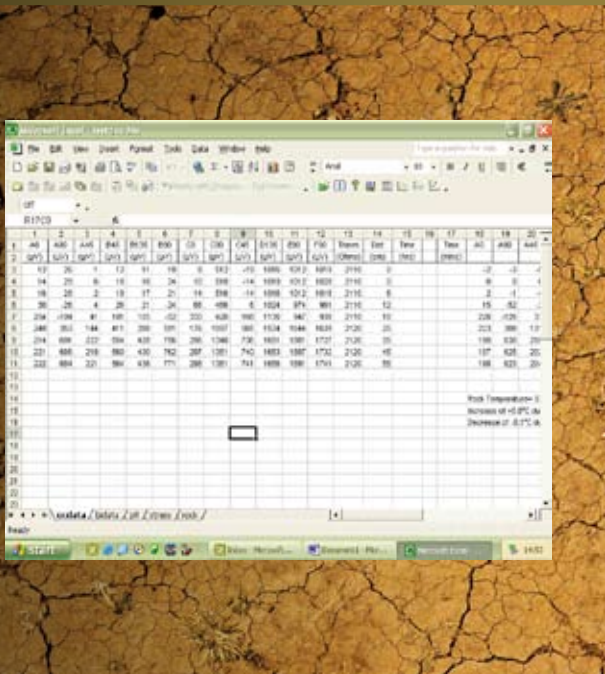# Stress Analysis

ISOTROPIC ANALYSIS PROGRAM

FEATURES

- Calculates absolute rock stresses or rock stress changes for data obtained from CSIRO Hollow Inclusion Cells
- User friendly tool bar used to convert, calculate & generate data plots
- Overcoring & biaxial conversions
- Calculate stress magnitude & direction
- Rock property calculations
- Generate overcoring & biaxial graphs automatically
- Data is imported and exported very easily
- Multiple work sheet ready

APPLICATIONS

Stress Analysis is an isotropic analysis software designed to calculate absolute rock stresses or stress changes for data obtained from CSIRO Hollow Inclusion Cells. Calculated stress components and those principle stresses are entered into numerical models for scope and mine design. Stress measurements are very useful in optimising mine design.

The CSIRO HI Cells are used for obtaining measurement in both rock or concrete. Hence they're suitable for applications including mines, dams, bridges, tunnels, underground storage caverns.

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MADE IN AUSTRALIA

ISO 9001 CERTIFIED

TECHNICAL SPECIFICATIONS

- Installed on a PC's hard drive running any Microsoft operating system including XP Professional
- Add in macro program operating through Microsoft Excel
- Latest version

OPERATING PRINCIPLE

The program is easily installed onto PC and ready to run. The user friendly tool bar allows the user to automatically generate graphs, calculate six stress components, find the three principles stress and their orientations. The operator enters the raw data and simply highlights the data of interest and the program calculation a statistically mobile result.

Stress 2005

Below: Sample of plotted biaxial and overcore graphs

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All specifications subject to continuous improvement
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