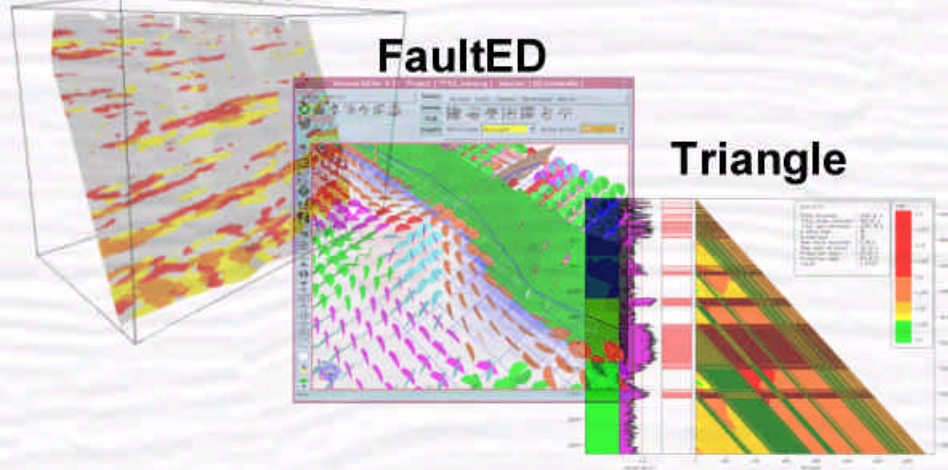


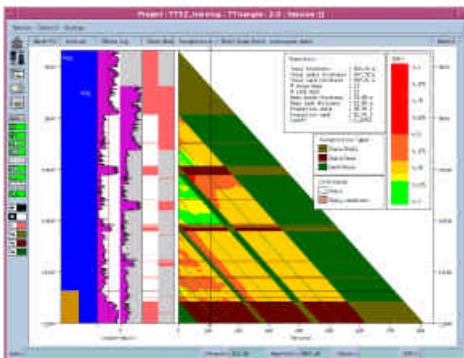
TrapTester 5.2

inc. FAPS

CurveMapper



Available NOW!



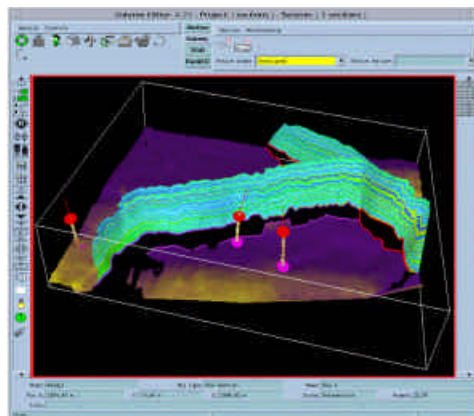
Triangle

The popular 1D fault seal analysis tool (still available for Windows as "Triangle") has been written to be part of the TrapTester software suite (see left). TrapTester's new Triangle uses the TT well database and existing TT well import links with OpenWorks and GeoFrame to source property curves. The main use of Triangle will be as a quick look standalone fault seal program or for the investigation of sensitivity issues arising from 3D fault seal analysis in TT.

CurveMapper

A great new tool which simplifies and speeds up the fault seal analysis workflow. You can now generate property maps on fault surfaces without the requirement to model detailed isochores (see right).

CurveMapper uses a combination of the mapped horizons and the property curves directly observed from wells to produce upthrown and downthrown fault property maps. These maps incorporate the vertical and lateral variation in Vshale (or other attribute) formerly modelled by isochored intervals, with the difference that the spatial variation is computed at the resolution of the well curve.



FaultED

TrapTester now contains an integrated system for modelling the 3D strains and stresses associated with observed fault displacements, implemented as a new extra-cost module within TrapTester (see left).

FaultED is a boundary element model based on



elastic dislocation theory and is in part the result of an industry and government funded research and development project. Given a framework model in TrapTester, FaultED is used to predict the relative density, orientation and failure mode of fracture suites.

SEG Y Loader

As part of ongoing investment into bringing structural analysis tools into the seismic domain there is now a 2D SEG Y data loader available for TT5.2. This will be extended to handle 3D in the near future. The SEG Y-data is converted into our proprietary BGL seismic format and is stored under the project directory.

Geo image Loader

There is now a facility for the display of PNG image-based data on 2D or 3D sections (see right). This facility is designed mainly for interpretation/mapping from sand box model images but can be used for any image based data.

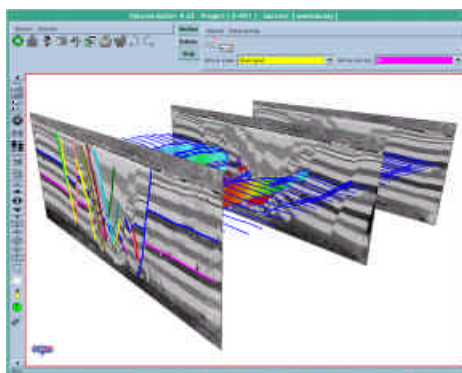


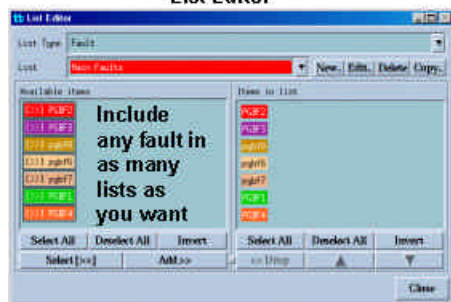
Image from a sandbox model digitised within TrapTester courtesy of Prof. Ken McClay and Liz Baker at Royal Holloway, University of London.

Enhancements and improvements

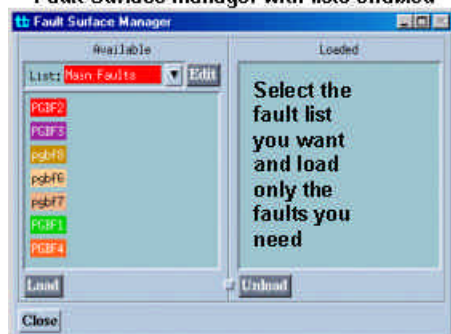
Data Lists

TrapTester 5.2 now implements data-lists for faults, horizons and wells. This improves the management of large datasets and enables the user to organise data more effectively. Most TrapTester applications make use of the new the data-list interface (see below).

List Editor



Fault Surface manager with lists enabled



Direct-Link Configuration

Links to 3rd party systems such as OpenWorks

Seismic Access Definitions

TrapTester 5.2 now gains access to seismic data, regardless of its origin, through "seismic access definitions". Using these definitions, management of seismic data within TrapTester has become much simpler and more powerful.

These definitions describe the source system (eg OpenWorks), the source project and seismic file name, maximum amplitude and other parameters. Rows, Columns, Time-slices and 2D lines can all have different definitions assigned to them. It is possible to create, modify and delete the definitions at any time.

Project Backup

The project backup procedure now permits the user to exclude certain components of the project from the backup or to form the backup only from certain components: framework database (fdb), attribute database (fdb), seismic cache and related files (sdb) and the project resources (.faprc).

You can now create smaller backups, for example by excluding the seismic data or only including the fault framework database.

Logarithmic Colourmaps

The TrapTester colour-map editor has been improved in a number of ways to make it easier to use and more suitable for screen capture. Display Methods, as used in the Volume-editor to control the attribute display on horizon and fault surfaces, can now use logarithmic-scale colour maps.

Contrast Stretch

Seismic data as displayed on sections in the Volume-Editor can now be processed. (Select section, then use <MB3 popup->Section->Process Seismic<.) Currently the only supported process is

and GeoFrame have traditionally been set up in the TrapTester configuration file (faps.conf). Though this is still the case, there is a new and simple interface to set up user-specific links without editing any files through the new configuration wizard. This greatly simplifies the set-up of multiple configurations.

“Contrast Stretch” – this process redistributes the colours in the colour map so that the most frequently occurring amplitudes are distinguished as much as the least frequently occurring. This has the effect of highlighting detail that may be hidden when much of the amplitudes fall in narrow ranges.

To find out more about the latest version of the software, or to arrange training to update your skills, [contact us!](#)

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