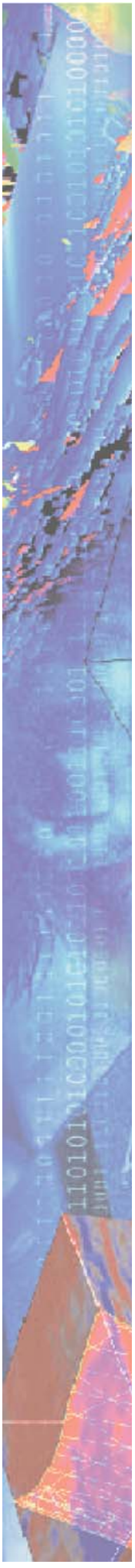


New Features available in TrapTester release 5.4

Since the release of TrapTester5.3 there have been 9 incremental upgrades dealing with more than 90 implementation issues and major enhancements. While some of these have been reactive improvements to workflows suggested by users many have been for major functional additions that are suitable to be released on an incremental basis. This document describes the highlights of the 5.3+ release and the forthcoming 5.4 release due end of Q1 2007.

All 5.3+ upgrades and the 5.4 release are available at no extra cost to customers with current M&S contracts for TT5.3 and where relevant, optional modules.

Highlights of the incremental upgrades 5.3+

Release of TrapTester on Windows

The Windows version of TrapTester was first released at version 5.303. In all functional respects the Windows release is identical to the Linux and Solaris versions. Moreover, projects created and modified in Windows are cross compliant with Linux and Solaris projects.

FaultED

FaultEd has been significantly enhanced to incorporate an interim solution for fault restoration prior to forward modelling. There have also been improvements to the display and trimming of observation grids and improvements to the output for Fraca and conversion of ED objects to Fracture Network Objects within TrapTester.

OpenWorks Links

Formalisation of OpenWorks direct links and full support of R2003.12 on Solaris. The OpenWorks links are now split for individual support of R2003.0+ and R2003.12+. Note that on Linux, only R2003.12 is truly supported.

OpenSpirit Links

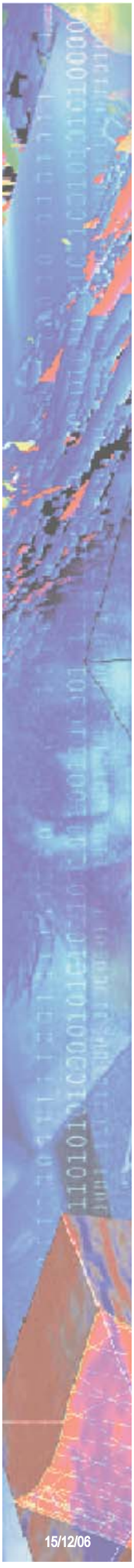
OpenSpirit client for 2.8 and 2.9 OpenSpirit Servers. This is the next release of the TrapTester OpenSpirit direct link and is compatible with OpenSpirit-2.8+ server systems. It makes use of the added functionality available in OpenSpirit 2.8, namely 2D horizon and fault import. This version of the OpenSpirit link also includes bug fixes and speed enhancements

GeoFrame Links

Support for the GeoFrame direct binary links has now been extended to include GeoFrame 4.2 and 4.3 on Solaris.

North Beck House, North Beck Lane, Hundleby, Lincolnshire. PE23 5NB
Telephone: 44 (0) 1790 753472 Facsimile: 44 (0) 1790 753527
Email: info@badleys.co.uk Web: www.badleys.co.uk

Badleys
BADLEY GEOSCIENCE LIMITED



Forthcoming upgrades for 5.4

Interpretation on Time-slices

3D survey-based horizon raw data can now be displayed and interpreted on time-slices in the volume display.

Seismic Capture Tool

The Seismic Capture tool has been extended to permit the capturing of 2D seismic data from systems such as OpenWorks, OpenSpirit and GeoFrame, and to permit the extraction of 2D and 3D navigation from the seismic data into a TrapTester survey. The capture tool provides an alternate means of accessing seismic and navigation data.

Seismic Volume Manager

This tool has been extended to permit full 2D and 3D volume header editing.

SEGY Loader

Although it is our intention always to stay current with binary links to OpenWorks, GeoFrame and OpenSpirit we appreciate that it is also useful to be able to use TrapTester as a completely standalone product. To this end we have greatly extended the SEGY Loader to cater for 3D SEGY data and to permit the loading of a much wider range of SEGY variants.

Links to 2DMove and Flex-Decomp

It is now possible to export data from the TrapTester Volume-Editor's seismic section display in a form suitable for direct loading into Midland Valley's 2DMove and Badley's Flex-Decomp applications.

Arbitrary Seismic Lines

The value of sampling a seismic cube in arbitrary ways is an established practice for interpretation in structurally complex areas. TrapTester now supports a flexible and comprehensive system for generating arbitrary seismic lines. The lines are created in sets that may be defined as point-to-point, parallel or radial. There is no limit to the number of sets that can be defined. The OpenWorks direct-link has been extended to permit the transfer of arbitrary line data.

3D Well Attribute Curves

Visualization of well data has been greatly enhanced by the ability to display the actual curve data on the 3D canvas of the Volume Editor. A related feature is a function to sample the seismic amplitude along a well path. The amplitudes may then be visualized as though they were a regular well curve.

Support for Culture Data

TrapTester 5.4 introduces a set of non-geological objects that are used to display and represent "culture". Culture is an all encompassing term that allows the user to load and display geographic and block boundaries as well as terrains and air-photo or satellite images.

Database Explorer

The IDB editor has now been replaced by the Database Explorer. The Database Explorer has been designed to have a more Windows-like look and feel with all objects belonging to a tree structure. It is extensible for objects and treats all data in a common way. As well as being a tool for visualizing data relationships and activation/deactivation/deletion of objects it is also forms a common location for editing object related data and for launching objects into applications.

Horizon Surface Meshes

Traditionally TrapTester has been used primarily in normal faulted environments. While reverse faults have been properly catered for in terms of geometric and fault seal analysis, surface meshes of reverse faulted horizons have been incomplete. TT5.4 introduces a methodology for creating complete reverse faulted models. In addition there is also support for sparse horizon data and all horizon modelling parameters can be held fixed and unique on an horizon by horizon basis.

FaultED

Considerable enhancements are now available to FaultED users. Strain and stress related attributes are now computed in wells and on horizon surfaces which is a more intuitively useful location for the results of an analysis compared with the older observation grid method. Technically this represents a significant advance and although computationally it is more expensive it has the additional benefit of providing an ED-based horizon and/or fault restoration.

Intersection Modelling

TrapTester 5.4 provides the facility to perform intersection modelling for "selected" faults as opposed to all faults loaded in the Volume Editor.

North Beck House, North Beck Lane, Hundleby, Lincolnshire. PE23 5NB
Telephone: 44 (0) 1790 753472 Facsimile: 44 (0) 1790 753527
Email: info@badleys.co.uk Web: www.badleys.co.uk

Badleys
BADLEY GEOSCIENCE LIMITED