FP_GUI interface description

FP_GUI.tcl accepts two command line parameters: database and origin id.

If there is only one parameter, it is assumed to be the path to database.

If there is no parameters, database name is loaded from the parameter file FP_GUI.pf.

Buttons

Open dbe (procedure 'open_dbe' in source code)

Dbe is called with the path provided in 'database' entry field at the top of the window:

```
dbe <dbpath>
```

Save new db (procedure 'new_db' in source code)

Selects a record from the `origin` table; joins with `assoc` and `arrival` tables; writes the result to a new database; creates a descriptor file.

Open dbpick (procedure 'open_dbpick' in source code)

Starts `smartpick_classic` with the new database name.

Calculate focal mechanism ('calculate' in source code)

runs `aeic_dbaddema` & `dbfpfit`

View results ('show_results' in source code)

Runs `fpplot` to generate a ps file; then starts ghostscript.

Update fplane table ('update_fplane' in source code)

Updates the `fplane` table of the current database using data from the `fplane` table of the new database.

Print results ('print_results')

Sends the postscript file generated with 'View results' to a postscript printer.

Send a problem report ('report_problem')

Allows the user to send an e-mail to a maintainer. The e-mail address is set in 'Maintainer' variable of FP_GUI.pf file.

Minimize output window ('minimize_log'), maximize output window ('maximize_log'), create output window ('create_log').

These grey buttons are used to manipulate the output window.

Quit ('quit')

Deletes the output window and quits

Entry fields

Database

Enter path to a database

Origin

Orid, origin id

Waveforms

Choose between `op/bak/mig`. This parameter is used by 'save new db ' while generating the descriptor file.

Output window

The output window contains the output and error messages generated by GUI and external programs called from GUI. The output window can be minimized and maximized using 'minimize output window' and 'maximize output window' buttons. In case it was destroyed, the window can be created with 'create output window' button.