Results of the EXFOR-Editor Development and Testing

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By tradition the improvement and development of the EXFOR-Editor functions were based on the feedbacks and proposals of the users. We thank everybody who expressed an opinion how our editor could be improved.

So, we consequently have a new modification of the EXFOR-Editor 2.4. Basic corrections of our program concern the work with the main editor window, reaction window, data table mode and graphical presentation of numeric data. We'd like to focus your attention on them. They might make easier the process of the EXFOR data compilation.

The navigation through the EXFOR-file was improved. A tree structure of an opened file with key words on the left side of the main editor window was also extended by the code words. A click by the left mouse button on any node of the file structure tree places the cursor in the twelfth position for the selected key or code word in the edited area.

An additional help just from LEXFOR reference was implemented in the reaction window. It is based on the idea of Victor Zerkin and pictures that we prepared for him for the last meeting.

Some improvements were made in the data table mode. The deletion of several data columns at once is possible now.

The selection of the first data column number to import into data table is implemented now. This option is available in import mode from the tables of EXCEL or WORD format.

The view of the window with information about errors in numerical data was changed. It could help to detect the position of the error value.

As for the graphic presentation of numeric data the bugs in plotting of relative errors were corrected. Also the possibility of source image use as a background for curves was implemented. It could be loaded from an image file, clipboard or as a screen shot. A primary image processing is available as follow: zooming, area cutting, rotation and skewing.

The new versions of JANIS Trans Checker, EXFOR dictionaries, X4+ Converter are also included. We thank Victor Zerkin NRDC IAEA and Nicolas Sopperra, NEA DATABANK for fruitful cooperation.

So the main activity of our Center in the area of software development for EXFOR compilation is the following:

– Maintenance and improvement of the existing version of the EXFOR-Editor.

– Development of the compiling software in the direction of comprehensive control of input/ information