

Development of Software for Input and Editing of Experimental data in EXFOR format – New Version of the EXFOR Editor

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There is a brief description of a new version of the EXFOR-Editor V1.10. We would like to present the main changes of the program. The detailed description of this version will be given on the Workshop.

The software was developed on the basis of the following items:

- feedbacks and suggestions of the users;
- conclusions and actions of NRDC meeting in 2010;
- changes in the documentation of the EXFOR-LEXFOR.

First we would like to thank all the community and the members of NDS for the timely feedbacks. Most of them were taken into account. The order of working with experimental data tables was considerably improved:

1. While defining the accuracy of data representation the bugs were corrected.
2. The suggestions of Victor Zerkin on validating input digital data were implemented.
3. Saving the author representation of digital data during the work in the mode of DATA Table was realized too.

Two items of the conclusions and actions of NRDC meeting in Sapporo referred to the development of the EXFOR –Editor had been implemented in our program:

- An automatic addition of reference information under STATUS keyword was implemented according to item A48;
- A new function – creation of “dummy” Entry was added according to item A60. The creation of “dummy” Entry was realized in the Wizard mode.

The changes in EXFOR-LEXFOR documentation were taken into account in the new version. According to the new rules we have improved input and editing of the following Keywords: AUTHOR, ERR-ANALYS, MONIT-REF, REL-REF, REFERENCE, SAMPLE, STATUS.

In this version of the Editor we have prepared the special dialog windows for input and editing of the following Keywords: ASSUMED, EXP-YEAR, INC-SPECT, LEVEL-PROP, MISC-COL.

In the presented version we have taken into account the following suggestions of the users:

- The dictionaries are available for viewing and searching from the main window of the EXFOR Editor;
- A user can mark and insert several words from dictionaries simultaneously;
- A number of Subentries for processing is enlarged;
- There is a special button for merging editing files;
- A user can automatically change the number in the ENTRY and all SUBENTRIES of the editing file.

It should be noted that all users’ feedbacks are registered and are going to be implemented while our software development is realized.

In this version of the EXFOR-Editor the new versions of Checker CHEX and JANIS Trans Checker programs are used. We thank Victor Zerkin NRDC IAEA and Nicolas Sopperra, NEA DATABANK for fruitful cooperation.

We are going to continue the development of the EXFOR-editor. The new version of EXFOR-Digitizer with all bugs and feedbacks implementation is also being prepared.