

Release notes of XTAP ver 2.41

1. The trouble with execution/installation of XTAP Ver. 2.3 related with the Windows Locale Setting was fixed. Regardless of your Windows Locale settings, you can install and use XTAP without needing to change any settings.

Thanks to the kind reports from several users, we were able to find this problem in XTAP Ver. 2.3. We had provided a temporary solution to it in the past, which consisted of changing the Windows Locale settings. This inconvenient solution is no more needed. If you applied this solution in the past, you can revert back your settings after updating to XTAP Ver. 2.41.

2. Convenient new features for schematic circuit drawing were added.

- Added the features to quickly copy/paste components by holding down the CTRL key and to move them only horizontally or only vertically by holding down the SHIFT key.
- It became possible to show/hide the name of nodes/branches by right clicking them.
- It became possible to disconnect a line of the schematic circuit to place a new component.

Details about these features are available in the user's manual, at pages -27- and -30-. You can find this user's manual at the menu bar of XTAP in the following menu: "Help" --> "How to use (C)".

3. Several features were improved.

- Added the horizontal scrolling feature, which can be used by holding down the SHIFT key and moving the mouse scroll when the mouse pointer is placed over the horizontal scroll bar.
- Added Ramp-initialized sine voltage/current sources and PQ/PV load buses that are exclusive for power-flow calculation.
- Changed the icon of the 3-phase auto transformer with external excitation, Adder (circle), Multiplier (circle), node/branch voltage/current outputs and Control Signal Output blocks.
- Edited the help information of the Hold component.
- Added the feature to change the line pattern of graphs plotted by XPLT and added the Setup menu to the menu bar of XPLT.
- Added a window that shows information about XTAP Ver. 2.41, displayed when launching XTAP.

4. A few test case files were edited.

- Improved the test case file SLD-01.xsf with addition of some analytical models. Details

are available in the PDF file located in "C:\XTAP\work\Examples\SLD-01", if you installed XTAP in the default installation folder ("C: \XTAP").

- Changed the name of the following test case files:
 - SLS-02.xsf (previous name) became STL-03.xsf (new name)
 - SLS-03.xsf (previous name) became STL-04.xsf (new name)

5. The following bugs and troubles were fixed.

- Troubles related with the display of error window after the power-flow calculation finishes and with the Analysis Setup window were fixed.
- Troubles related with the connection of different nodes and with the connection of different Three-phase buses were fixed.
- Troubles related with the display area when editing subcircuits, with the edit of a component's name directly from the schematic circuit when pressing the arrow keys, with the terminal's position when copying/pasting components, with the steady-state initialization of ideal switches and switchers, with Single-Circuit 3-Phase Transposed Line Model (Constant-Parameter), with Three-phase PCS (switching) model and with Point-list Waveform Sources with data inputted from a file were fixed.
- Fixed mistyped text inside the GOV(LPT=03) component.
- Troubles when using the consecutive-analysis feature with more than 1000 cases and when running/stopping several cases when using the consecutive-analysis feature were fixed.
- A trouble related with the underground cable database of XTLC was fixed.
- A trouble regarding the calculation of line parameters by XTLC not running for specific cases was fixed.
- In XTLC, it became possible to calculate line models of underground cables even when the "Triplex group" option is selected. Also, minor calculation error that occurred when using more than 2 triplex groups was corrected.