Yappari tutorial

Tweak Nyquist plots

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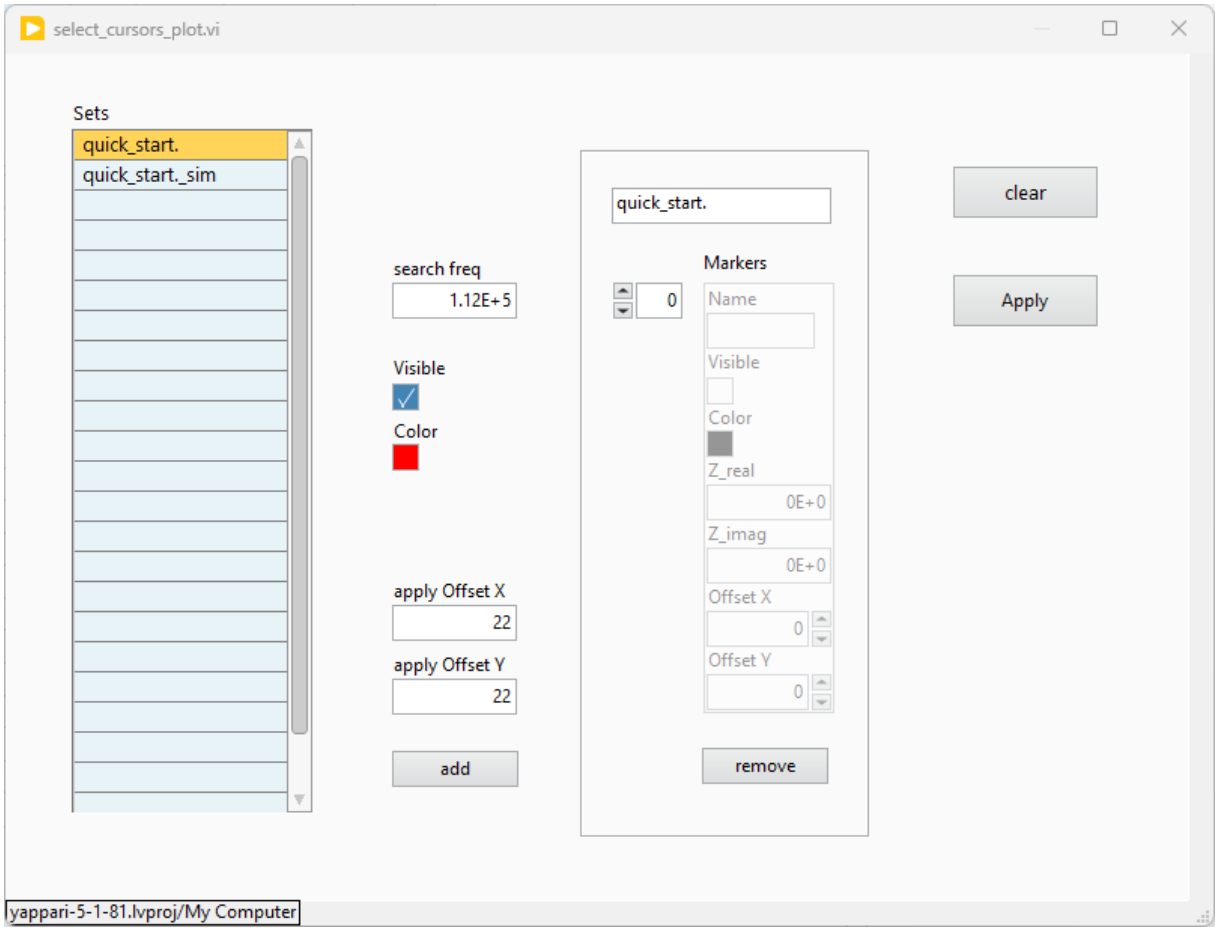
Version used : 5.1.81.1

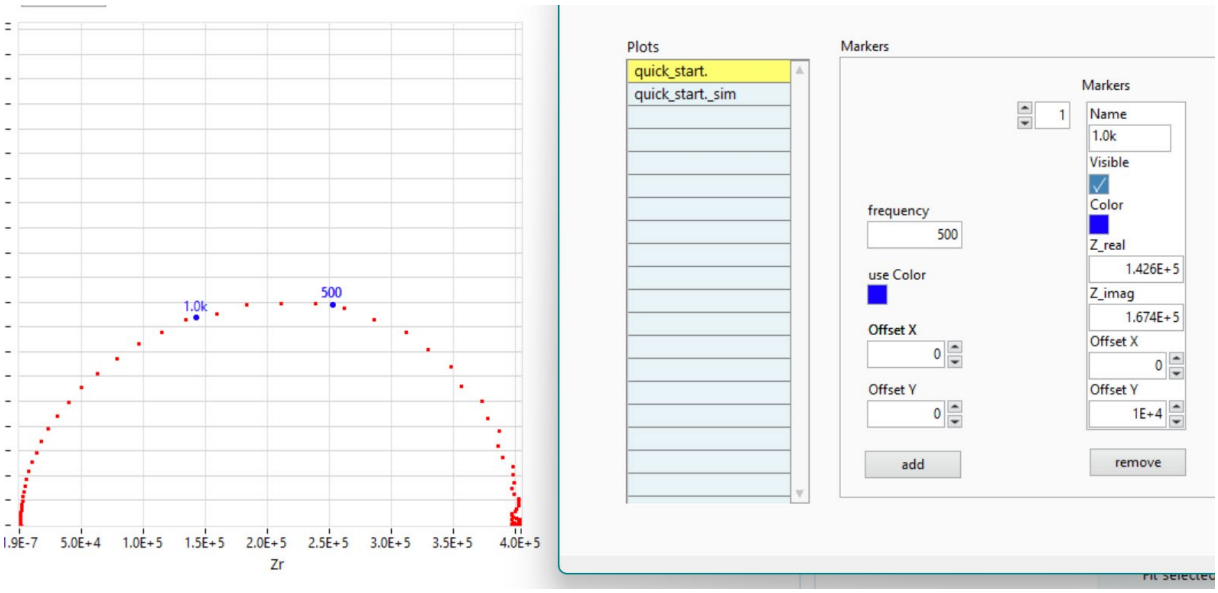
It is often useful to add some notes (or markers), for instance frequencies, on the Nyquist plots. This feature has been added to the version 5.1.81 and notes can be shown in the Nyquist plot (only 24 plots can be edited at a time but more can be seen, if needed). Some problems will appear if two datasets have the same names but I see no reason to have that. Once a dataset has been loaded, the option *Tweak Nyquist plot* appears in the **Advanced** command list. By launching this, a new window will appear, which should contain a list of available datasets to which you can add notes (or markers).



The commands are applied to all selected datasets.

You can directly add the marker text as *Name*, it's position as absolute X and Y values (positive value for Z_imag), the offset of the Name relative to the position of the marker and their color. The marker is a small dot, its color will be the same that the text. There is an array, so you can add as many markers as you like (the upper limit is 32000).

By pressing "Remove" you will erase the marker that is listed in the array for all selected datasets. Alternatively you can add a frequency value on the left side of the panel and press *Add*. This will calculate spline interpolated values for Z_real and Z_im and will be added to the list, in the first position of the array. The Nyquist graph is upgraded in real time in the main window of the program.



Markers are associated with a dataset name, so if that dataset is not plotted the markers will not be shown. There is a "history" of datasets kept in memory, so you can change the markers to a dataset without affecting the others. Note that the markers are not saved into the project xml file.

Two other buttons are available on this screen : Clear all, will remove all the markers associated with the listed datasets and Apply which will save the markers list and will be plotted in the Nyquist plot (if the dataset is plotted).