

Yappari tutorial

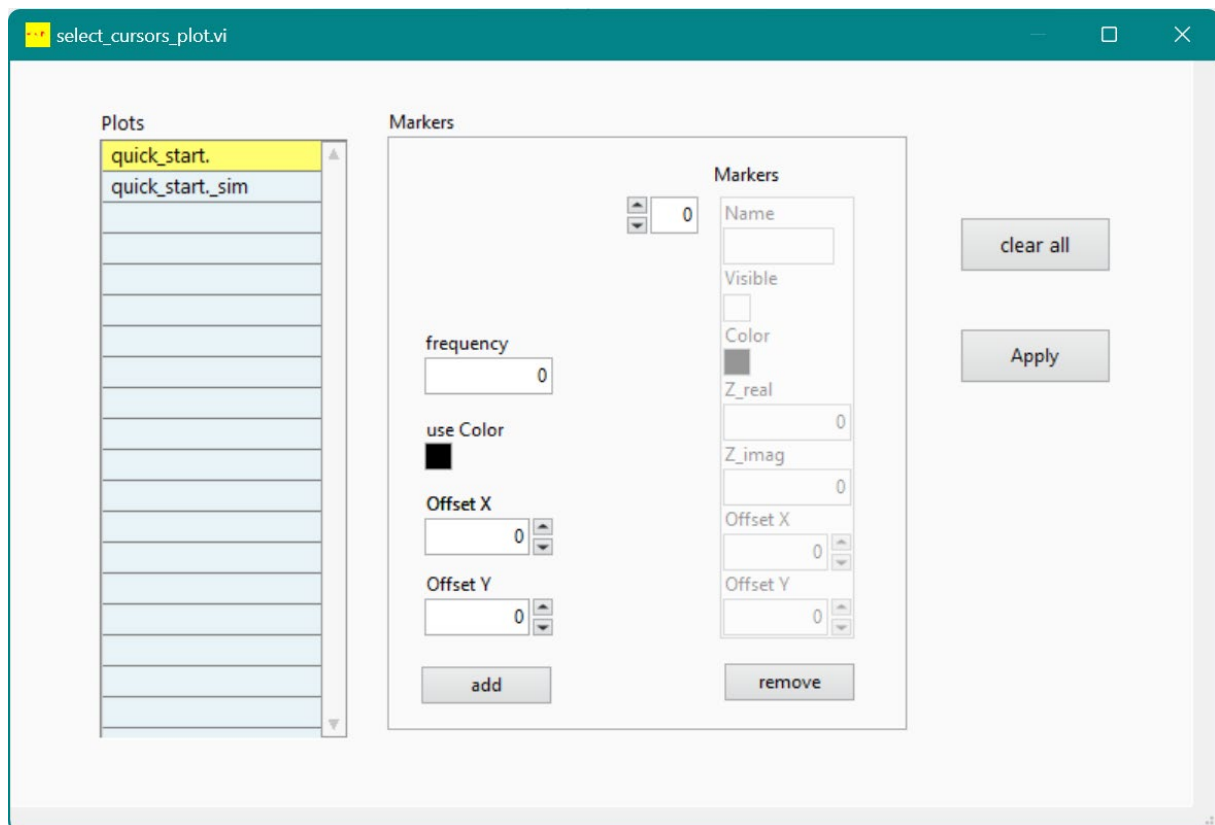
Tweak Nyquist plots

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Version used : 5.1.81

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 added to up to 24 plots shown in the Nyquist graph. Some problems will appear if the datasets have the same names and I see no reason to have that. Once 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).

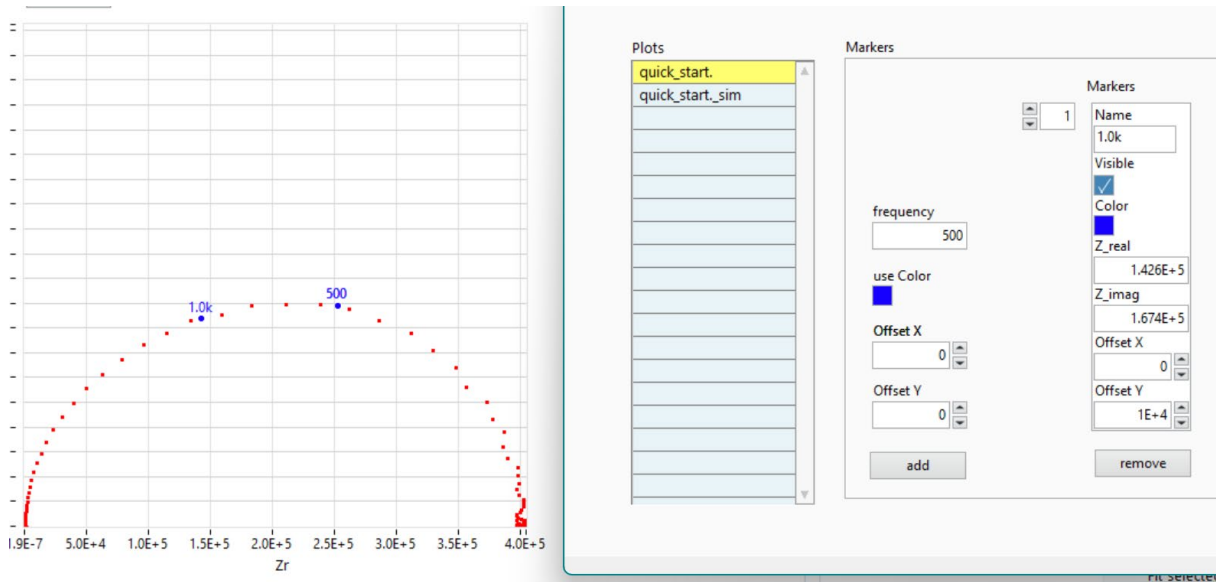


The commands are applied to selected datasets. As of this writing only one dataset can be selected but I plan to modify this later on.

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. 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_r 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 (as such, it is a good idea to start this routine with the Nyquist plot shown in the main window).



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 24 datasets kept in memory, so you can change the markers to a dataset without affecting the others if there are less than 24 datasets. 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 as long as the dataset is plotted.