

Duplicate Graph

To run this script

Select **Scripts > Graphs > Graph_Duplicate** from the Menus.

Or, in versions that support the script, you can run the utility directly from this page using this button.

Description

This script will make a duplicate of a graph. Make the graph you want to duplicate the active window and run the script as shown below.

The dialog box is titled "Graph API Test Duplicate". It features a close button in the top right corner. The controls are organized into several sections:

- New Graph Name:** A text input field containing "API Test_1".
- New Graph Type:** Radio buttons for "Rectangular" (selected), "Smith", "Tabular", and "Polar".
- Rectangular or Tabular Complex Modifiers:** Radio buttons for "Mag" (selected), "Mag(db)", "Real", "Imaginary", "Angle", and "Unwrapped Angle".
- Smith or Polar Complex Modifiers:** Radio buttons for "Complex" (selected) and "Conjugate".
- Change Measurement Settings:** Includes checkboxes for "Change Ports" and "Change Source". Below "Change Ports" are "To Port" and "From Port" dropdowns, both set to "1". Below "Change Source" is a "New Data Source" dropdown set to "Results".
- Trace Settings:** Includes radio buttons for "Default" (selected), "Use Current", and "Change All". It also has "Symbol Interval" and "Line Thickness" dropdowns (set to "a" and "thin" respectively), and a checkbox for "Show Arrows (Smith or Polar only)".

At the bottom of the dialog are "OK" and "Cancel" buttons.

The dialog has the following groups of controls:

- New Graph Name: Enter new graph name. It will default to a reasonable value.
- New Graph Type: Select the destination graph type.
- Rectangular or Tabular Complex Modifiers: If you destination graph is one of these types, you can change the complex modifier for the measurements on the new graph. These options will disable if the destination graph is not one of these.
- Smith or Polar Complex Modifiers: If you destination graph is one of these types, you can change the complex modifier for the measurements on the new graphs. These options will disable if the destination graph is not one of these.
- Change Measurement Settings: This section is typically done for s-parameter type measurements where you can change the port combinations for all the measurements on the graph. This might be useful if measuring $S(1,1)$ from many sources and want to duplicate to $S(2,1)$. However for measurement type, you can change to use any different data source. If that source doesn't support the measurement, you will get an error when simulating next.

- Trace Settings: Change how the traces are displayed for each measurement on the new graph. You can either use the current settings, go back to default settings or change the settings. If Change All is selected, the options the right are enabled to change how the traces display.