

SIMULINK

Computation

Visualization

Programming

SIMULINK 2 Late Breaking News

Version 2

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SIMULINK 2

Late-Breaking News

- 2 Printing the Contents of a Scope Window
- 3 Using Block Diagrams as an S-Function
- 3 Platform-Specific Issues

Printing the Contents of a Scope Window

To print the contents of a Scope window, open the **Scope Properties** dialog by clicking on the **Properties** icon, the right-most icon on the Scope toolbar:



On the **Properties** dialog box, choose the **Settings** tab, and select the **Save data to workspace** check box:



When your simulation is completed, the data is written in the variable specified on this dialog box in the MATLAB® workspace (the default variable name is ScopeData).

You can then use the MATLAB `plot` command to plot the data, and the MATLAB `print` command to print the resulting plot. Note that the Scope saves the time vector as the first column of the saved data.

For example, these commands run the `vdp` model for 20 seconds and plot the output that appears on the Scope block:

```
sim('vdp', 20);           % run vdp for 20 seconds
                          % you could also choose Start
                          % from the Simulation menu

t=ScopeData(:, 1);       % first column is time
y=ScopeData(:, 2:end);   % the outputs are the last columns
plot(t, y);              % plot the data
print                     % print the resulting plot
```

Using a Block Diagram as an S-Function

The ability to use a block diagram as an S-function is not implemented in SIMULINK® 2. There is no workaround; work is in progress to reimplement this functionality or an equivalent for a later release.

Platform-Specific Issues

Using an MGA Matrox Board

If your computer has an MGA Matrox board, you might find that some circles (SIMULINK block outlines) are drawn in the wrong window when opaque dragging is in effect and you drag a window over a SIMULINK model window. If this is the case, right-click on the desktop, select the **Properties** item from the popup menu, then the **MGA Settings** tab, then the **Advanced** option, then the **Performance** tab. The **Circle and Ellipse Acceleration** option should *not* be selected.

Microsoft Windows and Lost Windows

Microsoft Windows users may find that an open window does not appear on the desktop because that window's position is beyond the bounds defined by the size of the monitor. You can display all open windows by selecting an option from the bar that appears along the bottom of the desktop. Right-click either on an unoccupied area or on the clock on that bar. Then, select either **Cascade**, **Tile Horizontally**, or **Tile Vertically**. These options display all windows on the desktop.