

## Quick Transforms with Automatic Update

With SigmaPlot's Quick Transforms (Analysis > Quick Transforms, or the Shift-F10 keys), you can enter a one-line transform equation

- by clicking into the worksheet, and into the function palette.
- with the keyboard.

The screenshot shows a SigmaPlot worksheet with columns 1 and 2 containing data. Column 1 has values from 1,000 to 10,000, and column 2 has values from 6,000 to 150,000. A 'Quick Transform' dialog box is open, showing the equation  $col(2)=col(1)^2 + 5*col(1)$ . The dialog has checkboxes for 'Updating', 'Auto On', and 'Auto On'. Below the dialog is a 'Functions' palette with buttons for 'col', 'cell', 'block', and various mathematical functions like '+', '-', '\*', '^', 'abs', 'exp', 'log', 'sort', 'inv', 'mean', 'min', 'max', 'stddev', 'stderr', 'int', 'prec', 'round', 'data', 'gaussian', 'random', 'cos', 'sin', 'tan', 'arccos', 'arcsin', 'arctan', 'total', 'sum', 'diff', and 'factorial'.

	1	2	3	4	5	6	7
1	1,000	6,000					
2	2,000	14,000					
3	3,000	24,000					
4	4,000	36,000					
5	5,000	50,000					
6	6,000	66,000					
7	7,000	84,000					
8	8,000	104,000					
9	9,000	126,000					
10	10,000	150,000					

The Quick Transforms equations will be saved in the Notebook.

To see if a worksheet has Quick Transforms attached, open the worksheet, and open the Quick Transform edit box.

### Automatic Update:

You see the "Auto on" and "Updating" checkboxes.

If these are on, the transform values will be recalculated and updated upon each change in the source data - col(1) in this case.

### Important:

To enable this, you must set the "Enable auto updating of transforms" checkbox in Main > Options > General. You can also modify the recalculation delay there (in seconds).

