Scatter plots Created using Maple 14.01 Jake Bobowski > restart; with(StringTools) : *FormatTime*("%m-%d-%Y, %H:%M"); "08-04-2012, 21:04" (1) Scatter plots a useful for plotting experimental data. In Maple, you have to load the *Statistics* package to generate a scatter plot. > with(Statistics) : Here's some sample data. > t := [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12];y := [1.02, 4.3, 8.6, 16, 22, 34, 45, 60.2, 80.1, 96, 125, 144];dy := [.3, .3, .5, 2, 2, 2, 4, 4, 6, 10, 20, 20];nops(t);nops(y);nops(dy);t := [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]*y* := [1.02, 4.3, 8.6, 16, 22, 34, 45, 60.2, 80.1, 96, 125, 144] dy := [0.3, 0.3, 0.5, 2, 2, 2, 4, 4, 6, 10, 20, 20]12 12 12 (2) This is the scatter plot previously generated in "scatter plots.mw". > ScatterPlot(t, y, yerrors = dy, axes = boxed, view = [0 .. 14, 0 .. 175], labels = [typeset("time (s)"), typeset("position (m)")], labeldirections = ["horizontal", "vertical"], symbol = circle, symbolsize = 20, thickness = 2, tickmarks = [8, 8], colour = blue, axesfont = [*Times*, 12], *labelfont* = [*Times*, 14], *axis* = [*gridlines* = [*thickness* = 2]]);







