Polynomial fit

Created using Maple 14.01 Jake Bobowski

> restart; with(StringTools) : with(Statistics) : with(plots) : FormatTime("%m-%d-%Y, %H:%M"); "03-04-2013, 22:51"

(1)

First, enter some data and uncertainties in the *y*-values. X := [1, 2, 3, 4, 5, 6];

Y := [6.2, 16, 27, 62, 95, 130]; errY := [0.5, 2, 4, 5, 8, 10]; X := [1, 2, 3, 4, 5, 6] Y := [6.2, 16, 27, 62, 95, 130]errY := [0.5, 2, 4, 5, 8, 10]

(2)

Plot the data.

dataPlot := ScatterPlot(X, Y, yerrors = errY, axes = boxed, view = [0..8, 0..150], labels = ["X", "Y"], labeldirections = ["horizontal", "vertical"]) : display(dataPlot);



