Linear Algebra: Polynomial Regression

Determine the coefficients of the polynomial $y = a_2 x^2 + a_1 x + a_0$ that best fit the data below (also contained in the ME2004_PolynomialData.mat file):

x	1	3	5	7	10
y	2.2	5.0	5.5	6.1	6.6

Use the fit() function and any postprocessing commands. Perform the curve fit by supplying the proper fitType argument (do not attempt to linearize the data).