

HW6 tuesday, 26-nov-2013
due, thursday last day of class (dec 5 - BEFORE CLASS)

1. solve (again) the sphere fit problem from hw5, but form the normal equations by sequential addition. when the estimation is complete, go through the loop one more time to compute the residual. report parameters and $v^T W v$. no other error prop. necessary.
2. fit two lines to the following data, and constrain the lines to be at right angles to each other. ($m_1 = -1/m_2$)
x & y are observations. sigma x, sigma y are 0.5

line 1: (20.5,9.8), (51.5,22.4), (95.3, 38.1)
line 2: (11.2,84.4), (22.2,57.5), (36.3, 23.0)