PROBLEM 2

I used the Generberg-Marquardt method to find best-fit parameters.

Initial χ^2 is 3272, so the same as in pt.2 of q1. χ^2 just goes down from there.

I finally get a X2 of ~2579

The bast-fit parameters with my and one:

ranamerers	C1.017
6.787793764573899580e+01	2.800812060070191623e-02
2.233585550723501956e-02	1.667495319816963980e-05
1.186385715442713484e-01	5.342314704841942758e-05
5.825513405803299516e-02	
2.105784762710451508e-09	5.073528840485232657e-13
9.691547163761465855e-01	3.021548158404688657e-04
	6.787793764573899580e+01 2.233585550723501956e-02 1.186385715442713484e-01

Curvature metrix will simply be the lhs outputted from by fit-Im-clean function.