Problem set 4

Problem 5:
No of sample points taken :2000
Filter order :5
Mue limit obtained is :5.31
Mue value is µ1=0.5
Mue value is µ2=1.5

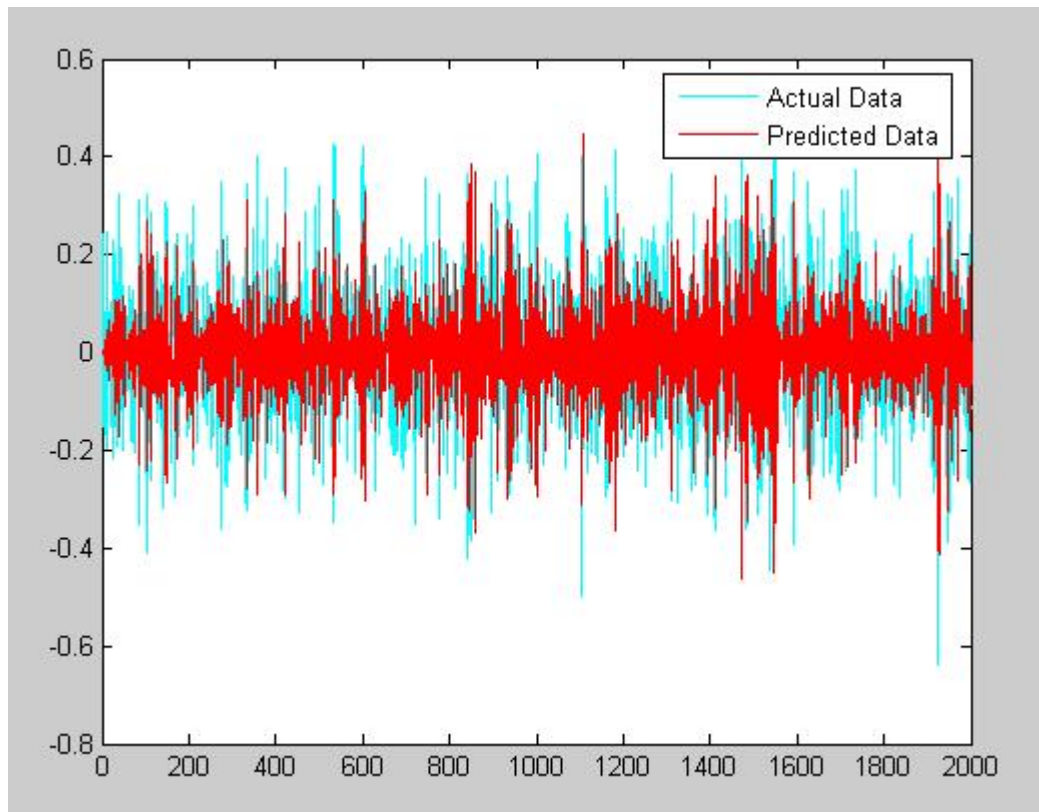1.Plots for filter order 5 and mue value 0.5

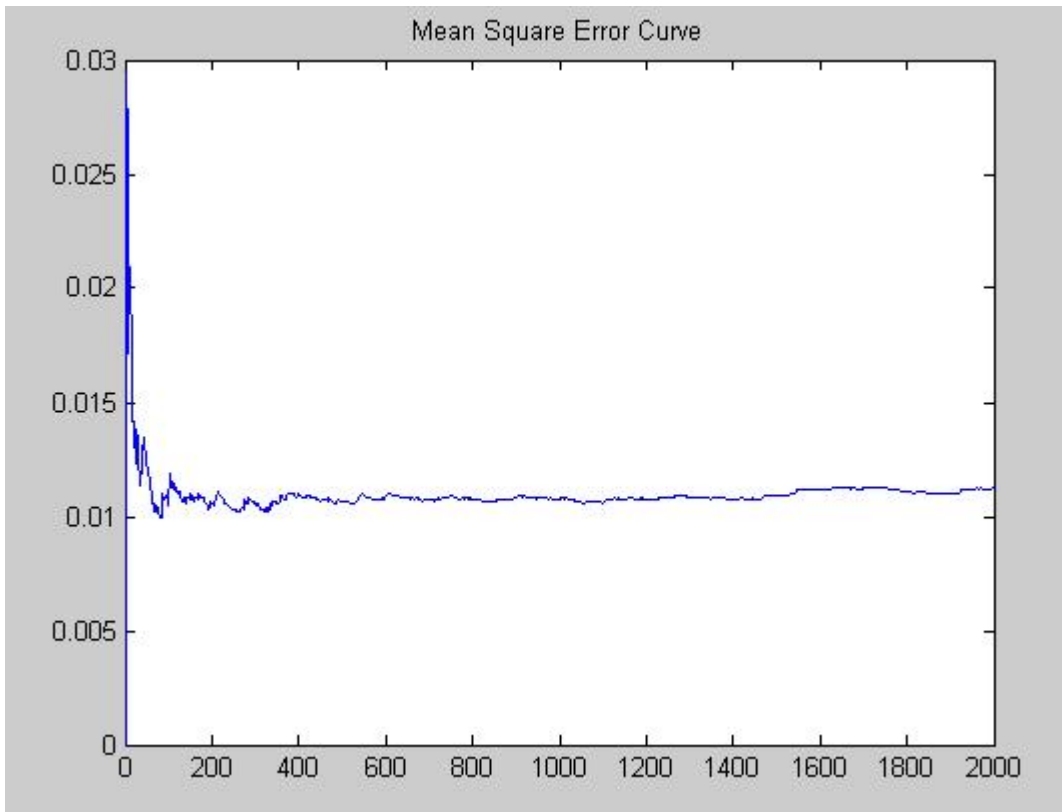Fig 1.plot of actual data and predicted data.
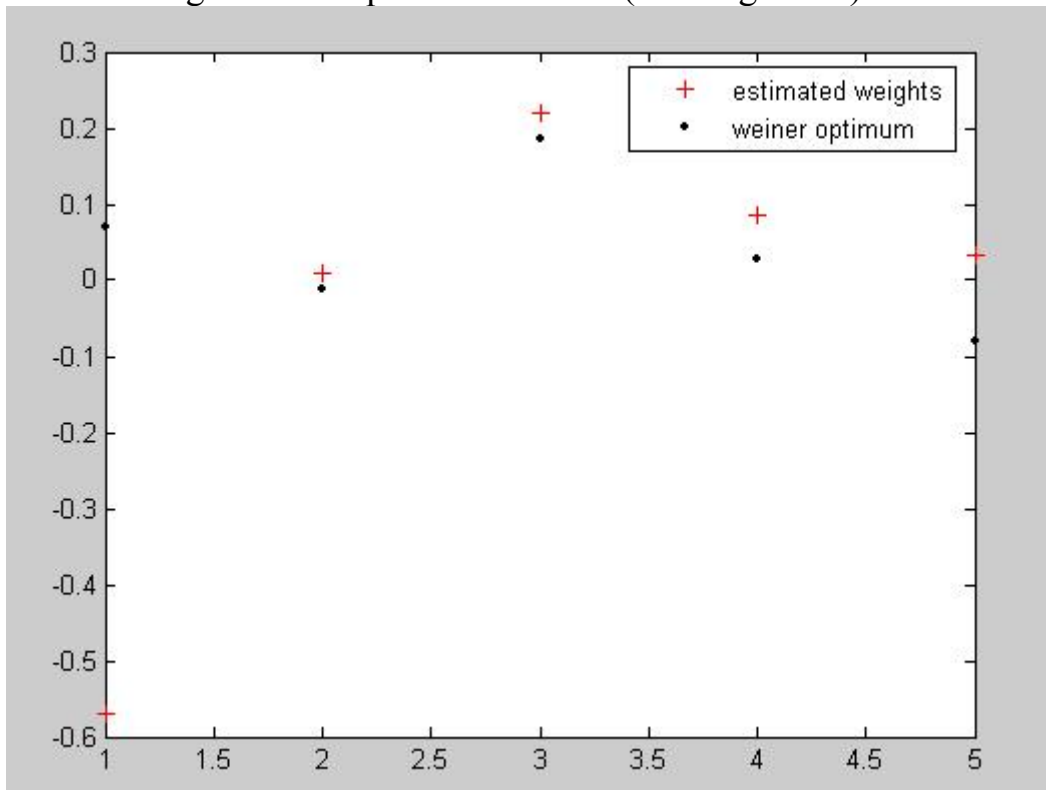
Fig 2. mean square error curve (learning curve)

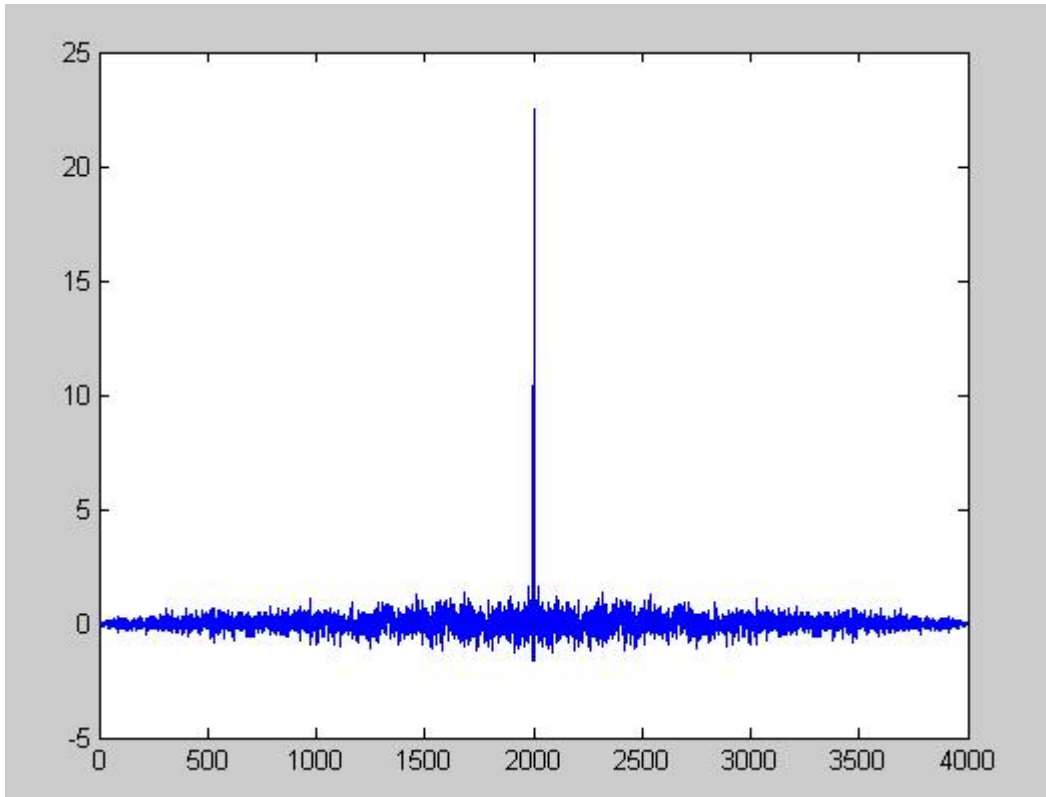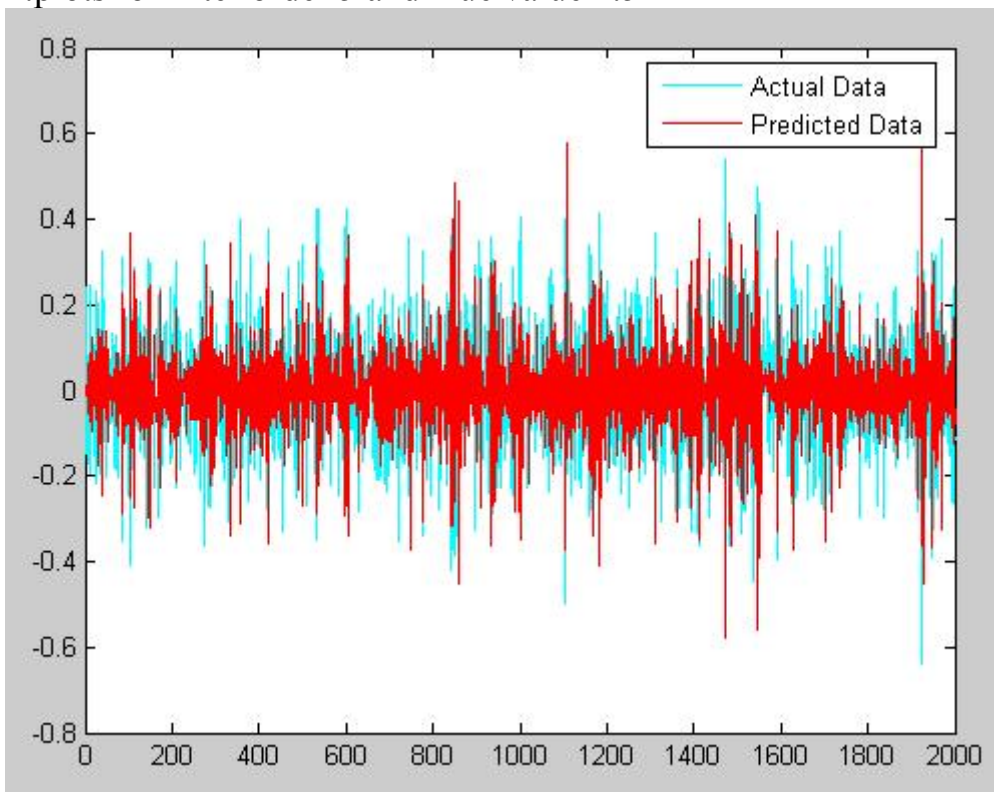Fig 3 . convergence values of weights .

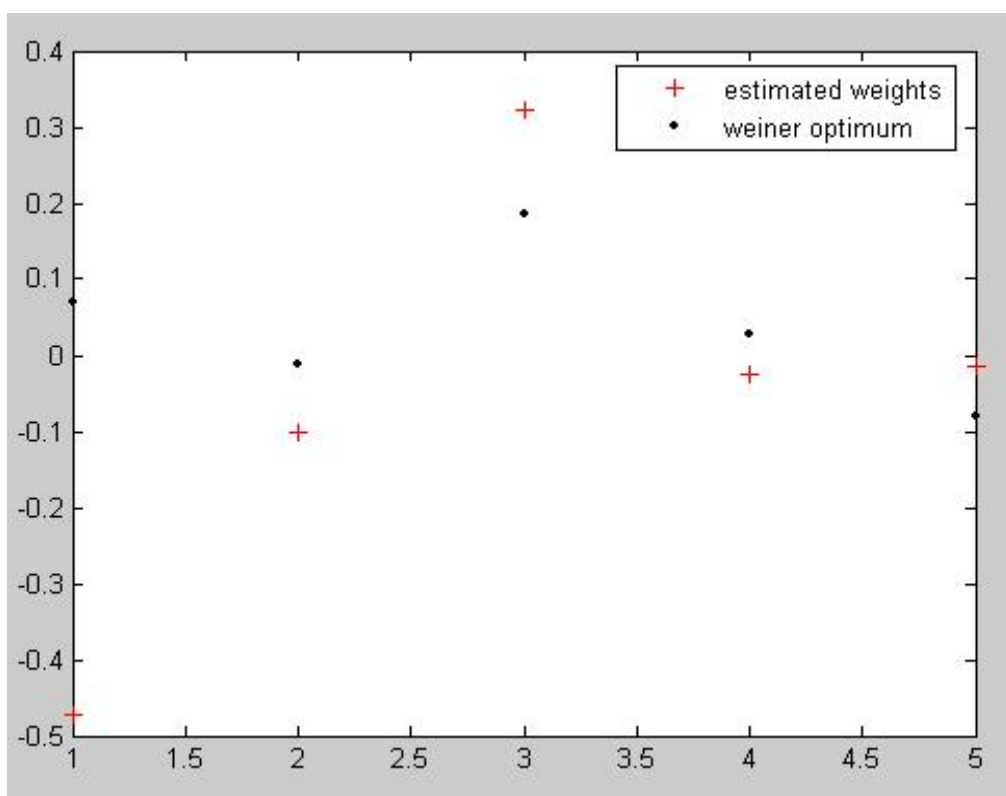Fig 4 . whiteness of error

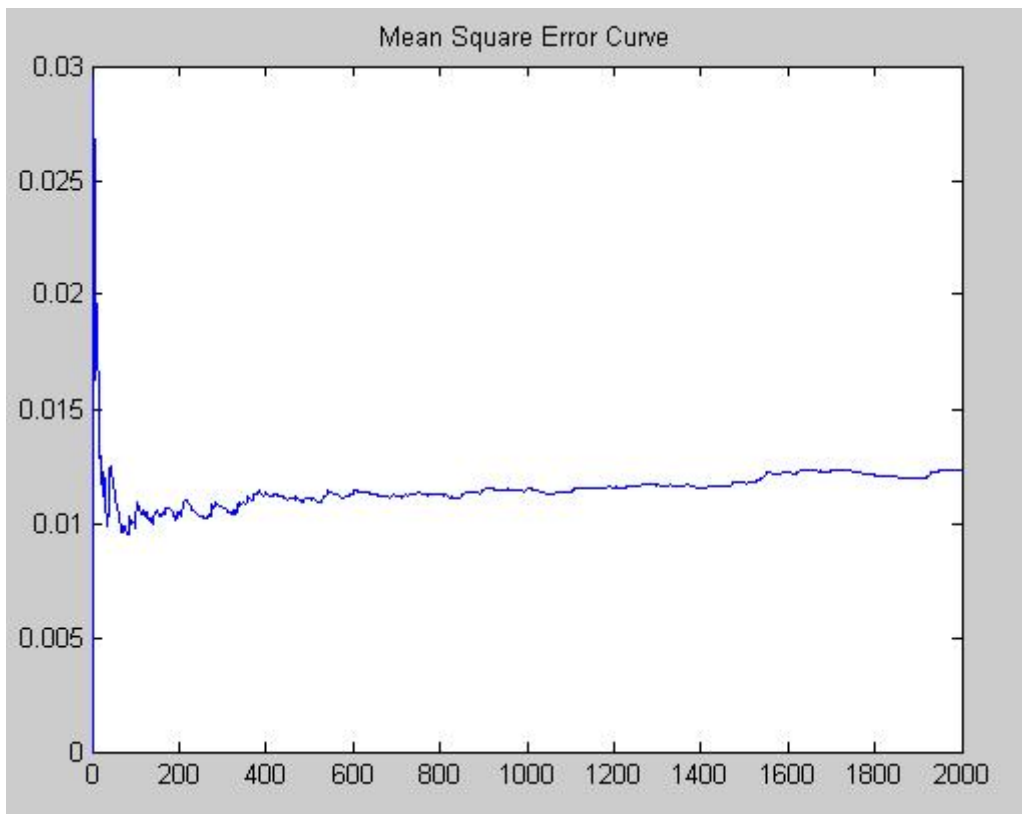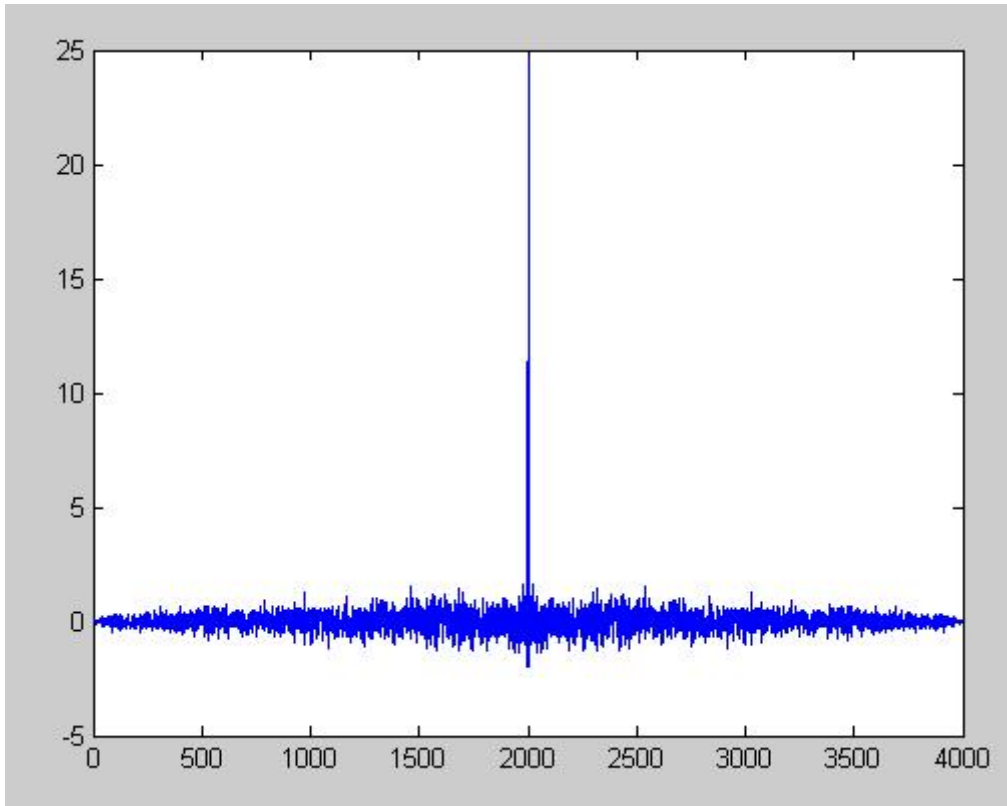2.plots for filter order 5 and mue value 1.5

Fig 6 & 7 learning curve and convergence values of w.

Fig 8. whiteness of error.