

OBSERVATIONS:

Q4:

A. as M is increasing, graph is getting smoother and amplitude is decreasing, filtering is better

B. as σ increases, filtering quality decreases

C. as M is increasing, graph is getting smoother and amplitude is decreasing, filtering is better, but for a given value of M , relatively filter1 is giving better results

D. Here, as p increases, the graph is getting smoother, the amplitude is almost same, peak sharpness is decreasing. This filter is not as good as f_1 and f_2 .

Q5.

>>filter1 :

as M increases, filter1 decreases noise in background
, amplitude is decreased

>>filter2:

as M increases, filter2 also decreases noise in background
, amplitude is decreased filter2 not as good as filter1

>>filter3 is the least best one, varied p from 0.1 to 0.9,
but still background noise was being observed, amplitude
almost same