

Dashed line is the displacement zone. The paper mentions that they ONLY fit points outside this zone. However, the figure in the paper shows that they tried to fit all points. If i do that fmincon gets lost and the fit is pretty bad. However, If I only fit a couple of points inside the zones and all outside the fit looks good (black line).

I tried to use the actual parameter values given by the paper to bound fmincon but that didnt help.

