p: [$0.62639692 \ 0.33885911 \ -0.98525127 \ -3.33097285 \ 0.76060586 \ 0.01233273 \ -0.02724173 \ 1.00040213 \ 1.00278513 \ 1.20243874]$ \mathcal{L} :52.187961891056275

