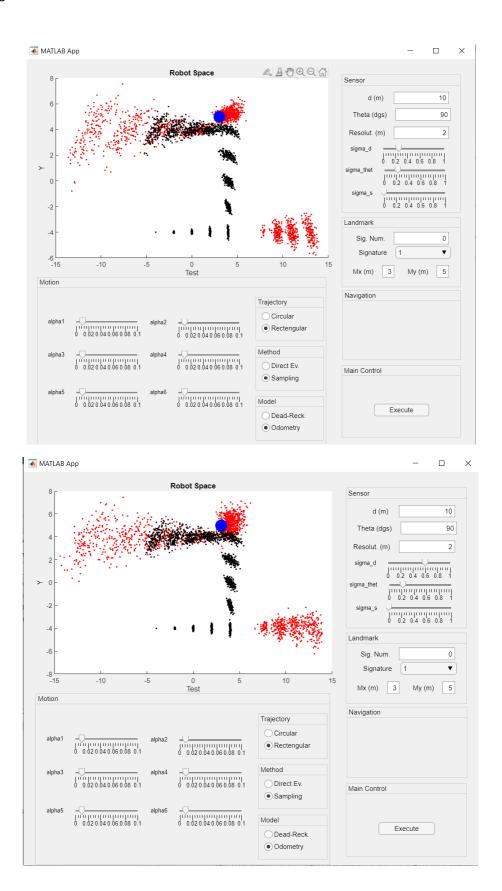
A gui has been designed for testing different values of standart deviations. Results can be seen in below Figures.



- □ × MATLAB App Robot Space Sensor d (m) 5 6 Theta (dgs) 90 2 Resolut. (m) sigma_d sigma_thet sigma_s 0 0.2 0.4 0.6 0.8 1 -2 Landmark Sig. Num. 0 Signature 1 -6 -8 0 Test Mx (m) 3 My (m) 5 Motion Navigation Trajectory Oircular alpha1 0 0.02 0.04 0.06 0.08 0.1 Rectengular Method alpha3 0 0.02 0.04 0.06 0.08 0.1 0 0.02 0.04 0.06 0.08 0.1 Oirect Ev. Main Control Sampling 0 0.02 0.04 0.06 0.08 0.1 alpha5 0 0.02 0.04 0.06 0.08 0.1 Model Execute O Dead-Reck. Odometry