

Autonomous Mobile Robots

Useful matlab functions

The following is a list of functions students may find helpful throughout the class. This list does NOT imply all functions must be used or that other built in MATLAB functions cannot be used.

Built in MATLAB

- rectangle
- hist3
- surf
- fill
- meshgrid
- linspace
- contour
- xlabel, ylabel, legend, axis, text
- line
- scatter
- patch
- quiver
- inpolygon
- delaunay
- squeeze
- vertcat/horzcat
- norm
- gradient
- cumsum
- dlmread
- mvnpdf
- normpdf
- randsample
- disp, warning (these can be used to help in debugging)

Provided functions

- plotCovEllipse
- circle