

## Applications with Matlab and Arduino

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## 1 Conceptos Previos

- GUIDE
- Arduino
- Materiales

## 2 Proyectos

- Radar

# GUIDE: GUI design environment

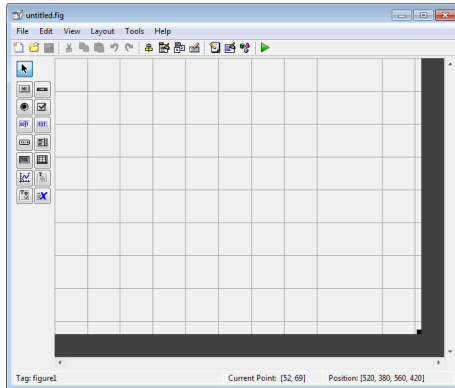


Figura: GUIDE

# Arduino

# Materiales

- Matlab
- Arduino
- HCSR04
- MQ2
- MQ3
- PIR
- DHT22

## Radar

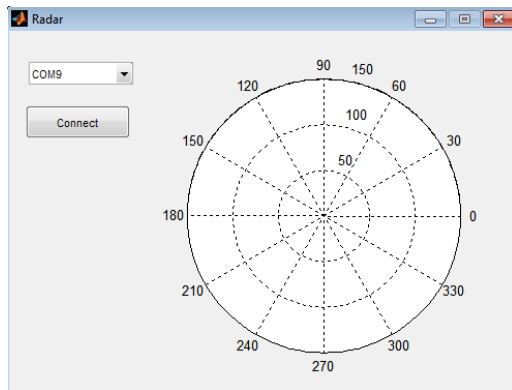


Figura: Radar

# Referencias



Arulampalam, M.S.; Maskell, S.; Gordon, N.; Clapp, T.”, A tutorial on particle filters for online nonlinear/non-Gaussian Bayesian tracking,” Signal Processing, IEEE Transactions on , vol.50, no.2, pp.174,188, Feb 2002

Gracias!!!