

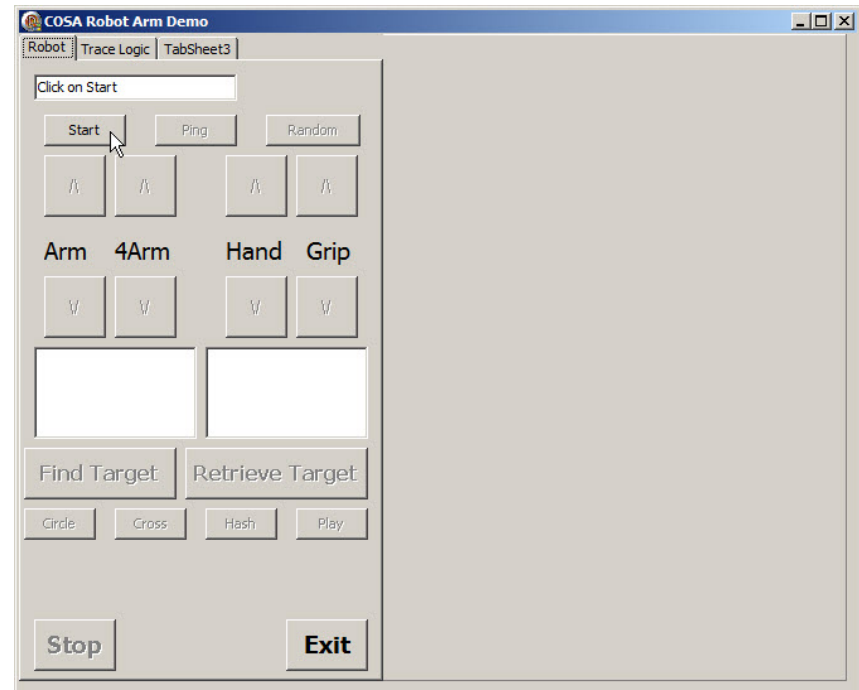
COSA Robot Arm – 2D Prototype Testing

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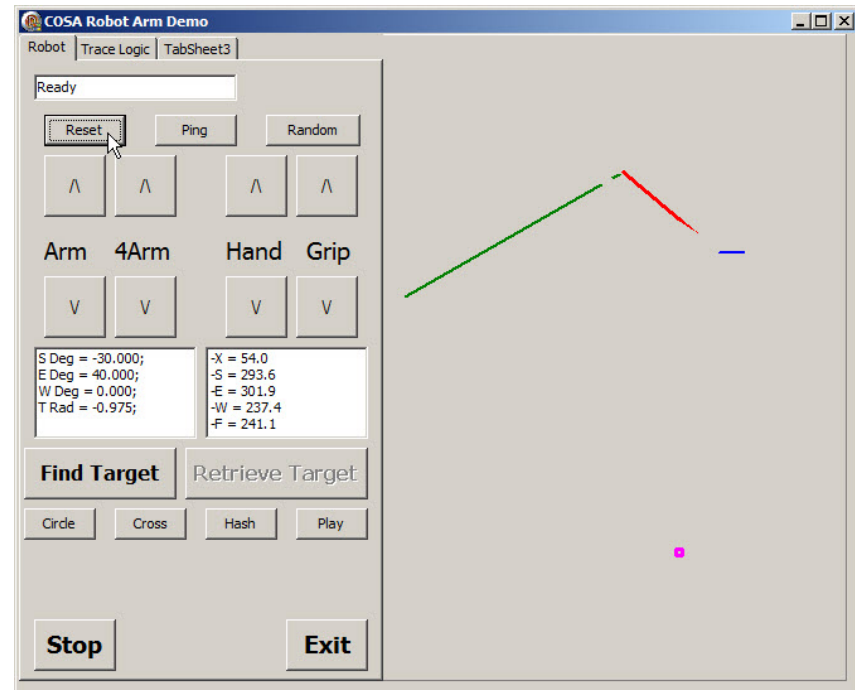
Startup Screen

- The simulator supports manual and automatic operation
- Manual
 - Arm up – down
 - Forearm up – down
 - Hand up – down
 - Grip
- Automatic
 - Find Target
 - Retrieve Target



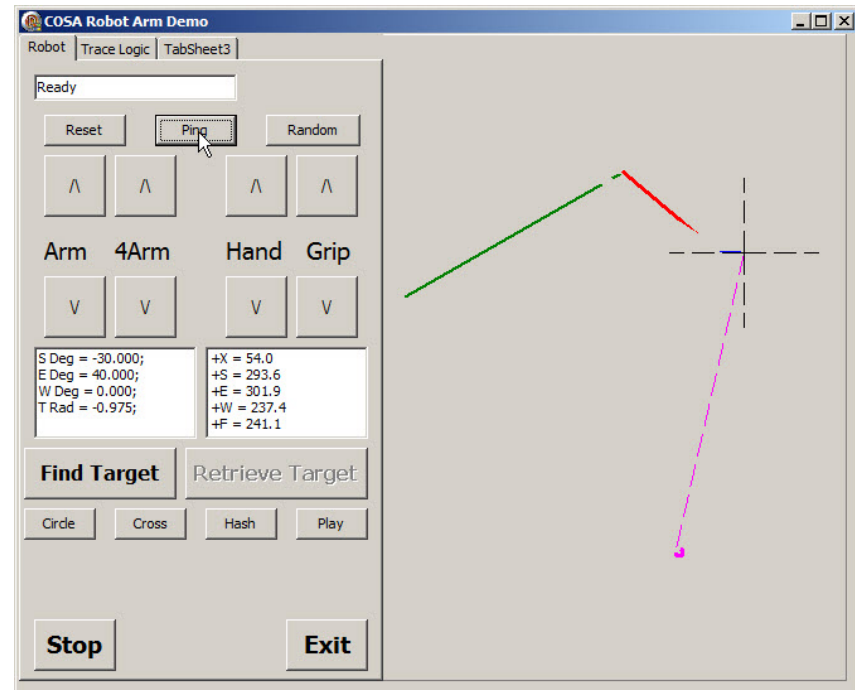
Initialized

- Click Reset
- Position Information



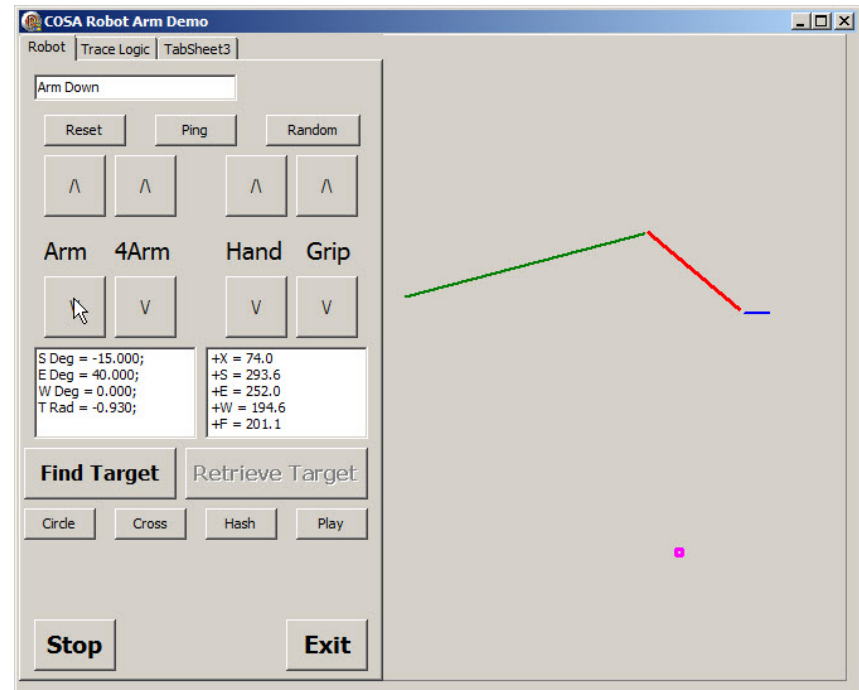
Click on Ping

- Ping
 - Locate Target
 - Distance to Target
 - Angle of Target

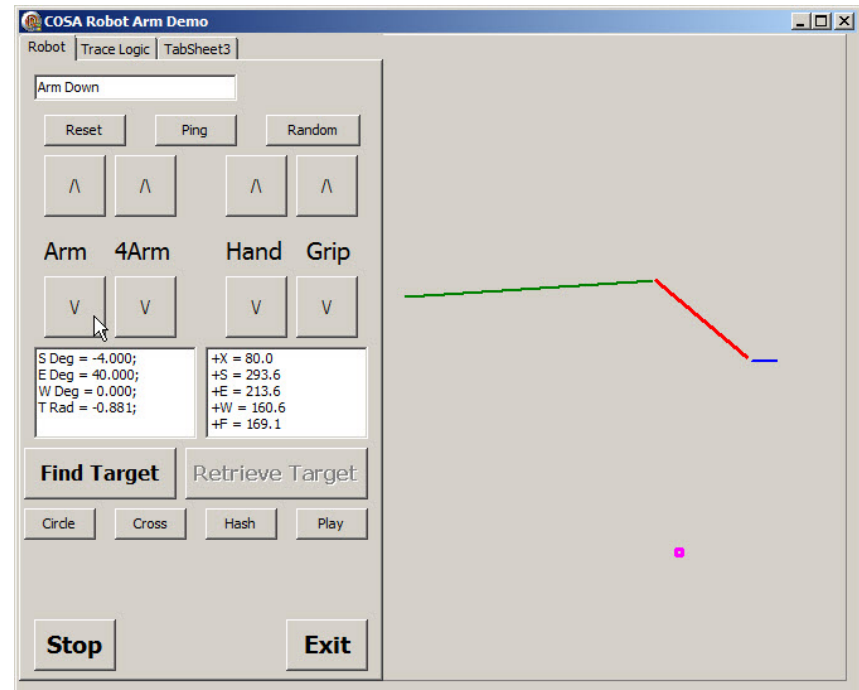


Manual

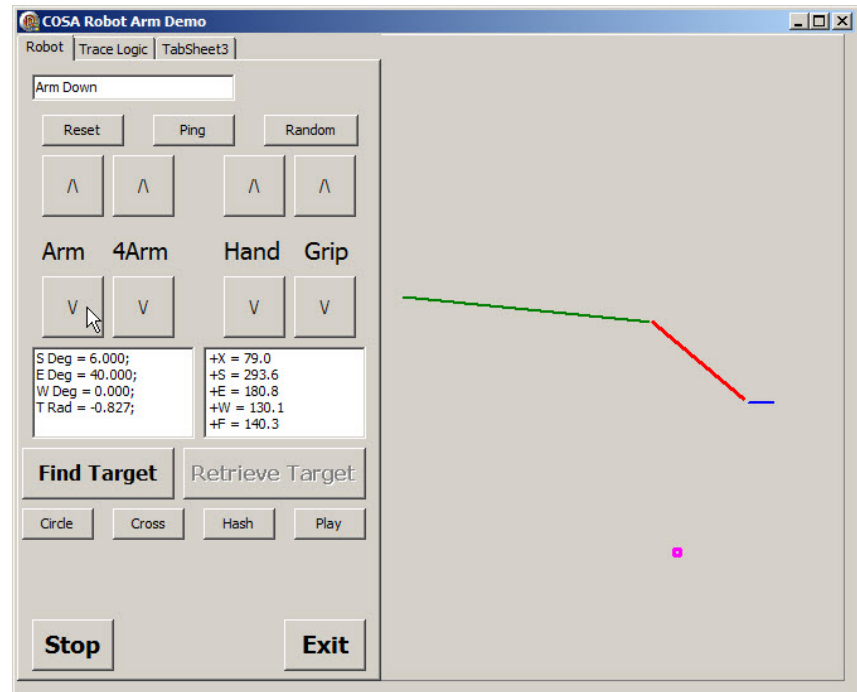
- Manual was chosen because Automatic is too fast to screen capture the motion
- Move Arm Down



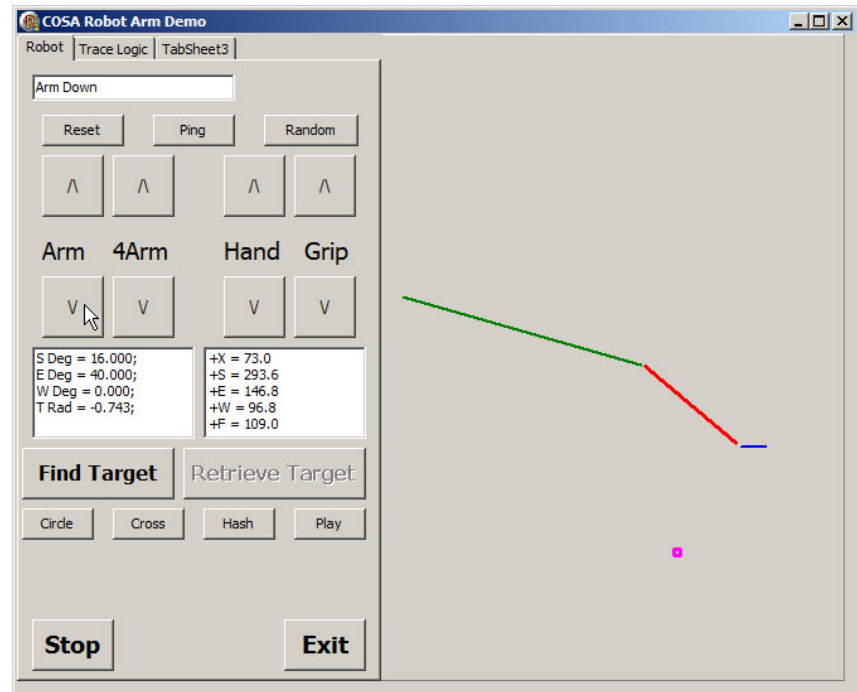
- Move Arm Down



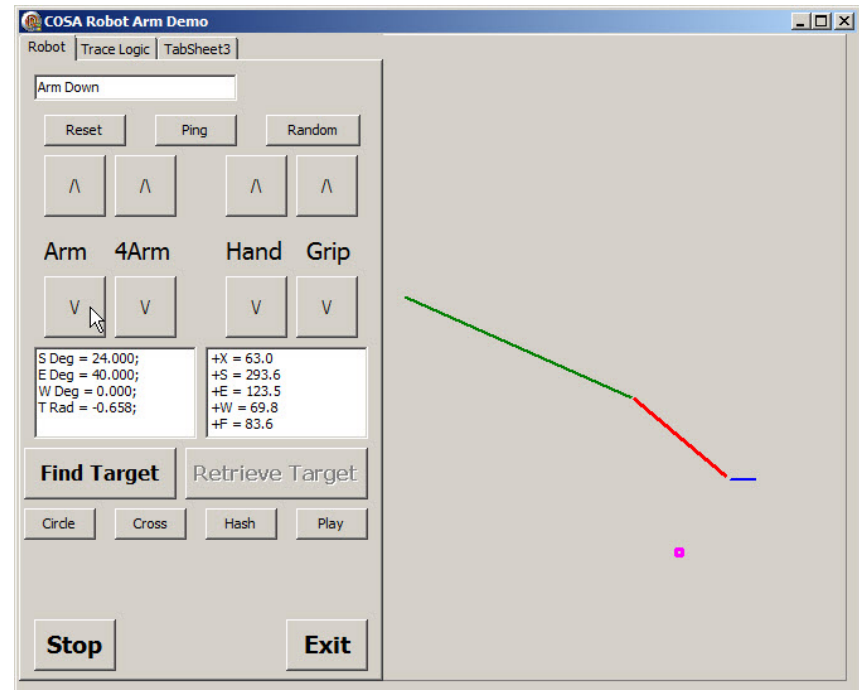
- Move Arm Down



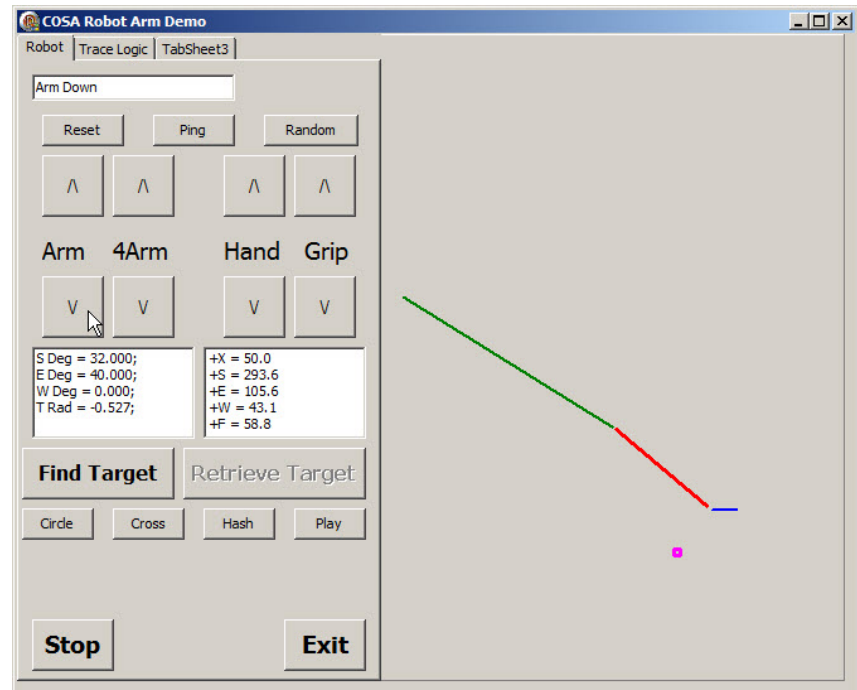
- Move Arm Down



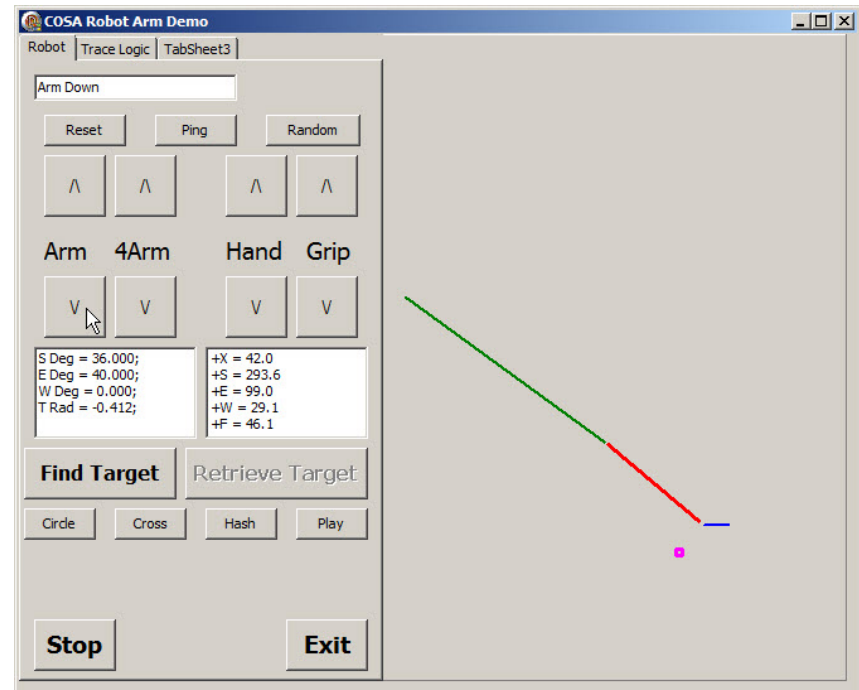
- Move Arm Down



- Move Arm Down

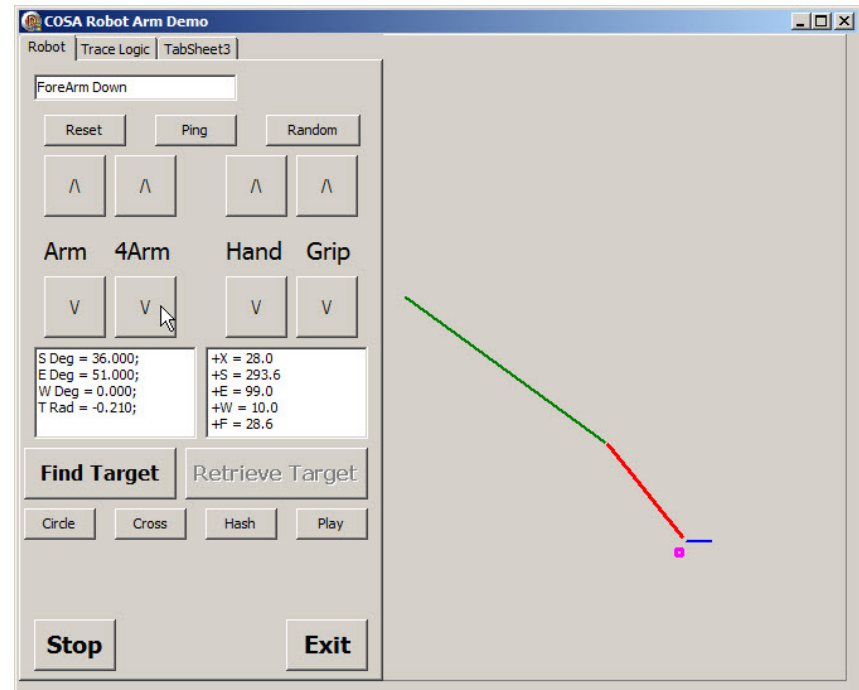


- Move Arm Down



Near Target

- Move Forearm Down



Test Automatic

- Find Target
- Proximity
 - Target close enough to be “in the grasp”

