Custom Project: Object Following Robot

Tim Bradt — Evan Bajek

Overview

The overall goal of this project is to create a robot that will follow the first object it sees that is at least 6 ft in diameter. It is a combination of the the Ultrasonic Radar Towers and the Navi bot project. It will use at least 2 Ultrasonic sensors for tracking the object and the robot base for movement. However, unlike the Radar Towers, floating point operations will be allowed where need, but there will be a bias against them.

Hardware

Who	What
Lab	MSP430 Dev. Board
	2-3 Ultrasonic Pingers
	Sabertooth Controller
	Mobile Robot Base
	Level Shifter
	Other Small Components
Us	Tools and our Brains