
Color Following Robot

Overview

The goal of this project is to program Jet to follow an object of a specific color. Students will perform basic image processing operations and use image information to make movement decisions.

Requirements

When Jet sees a sample of a certain color, it turns until the color sample is centered in the image, as in Figure 1. When the color sample is centered in the field of view, Jet will drive towards the color sample, as in Figure 2.

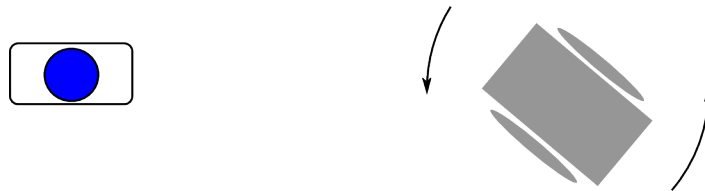


Figure 1: Color Follower turning

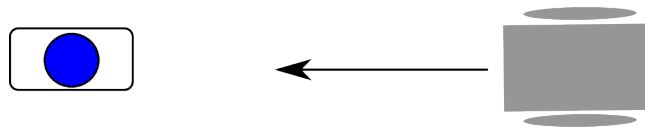


Figure 2: Color Follower moving

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