Stereoscopic Vision for Autonomous Navigation By John Hessling

Advisor: Dr Brian Huggins

This project consists of using two cameras to accurately map objects within the field of view. The system will provide this mapped information to be used for autonomous navigation decision making computers. The program is written in MATLB, with the use of the image processing toolbox. The system features three running modes, and easy to use graphical user interface. The system will be used as a self contained unit.