Phillip McKeerrow
Title:
Simulation of a Dual-rotor Helicopter
Description:
The aim of this project is to develop a simulator of a dual-rotor helicopter for testing control system designs. The project involves modeling the helicopter (based on the results of a previous project), simulating its dynamic motion, displaying its motion with 3D graphics, flying the simulated model using an R/C handset, and enabling experiments in autonomous control with simulated sensor data. The project will be done on a Macintosh in JOGL.
Expected Outcome:
A simulation system for testing control algorithms and AI based navigation algorithms for a dual-rotor helicopter.