AME 3623: Project 7 Group Grading Rubric

April 6, 2016

Group number:

Team member names:

Team member(s) claiming software component:

Implementation: 35 points

read_rotation(): 10 points

- (10) Fully meets the given specification.
- (5) Fails to meet one aspect of the specification.
- (0) Does not meet the given specification.

position_control(): 10 points

- (10) Fully meets the given specification.
- (5) Fails to meet one aspect of the specification.
- (0) Does not meet the given specification.

main(): 15 points

- (15) Fully meets the given specification.
- (8) Fails to meet one aspect of the specification.
- (0) Does not meet the given specification.

Demonstration: 30 points

Rotation display: 10 points

(10) The orientation is reflected by the LEDs.

(5) There is one problem with the orientation display.

(0) The LEDs do not reflect orientation.

Position controller: 10 points

(10) The position controller pushes the craft toward the goal.

(5) The position controller only partially works.

(0) The damping controller does not work.

Detection of rotation: 10 points

(10) The program properly detects when to stop ramping up the middle fan thrust.

(5) The program detects when to stop ramping the middle fan, but responds late.

(0) The program does not use rotation rate to stop the ramping of the middle fan thrust.

Documentation: 35 points

Project documentation: 5 points

(5) All required project-level information is given at the top of the C and H file(s), including: project number, date, group number, group members, and the group member responsible for the code.

(3) One required piece of information is missing.

(0) Two or more required pieces of information are missing.

Function header documentation: 15 points

(15) All functions are documented with a high-level description, a description of each of the parameters, and a description of the return value (where appropriate).

(10) One function is not documented properly.

(5) Multiple functions are not documented properly.

(0) Function header documentation is not given.

In-line documentation: 15 points

(15) All functions include appropriate in-line documentation. ("appropriate" means that you capture the logic of a line of code or group of lines)

(10) One function is missing in-line documentation.

(5) Multiple functions are missing in-line documentation.

(0) No in-line documentation is given.