

AME 3623: Project 7 Group Grading Rubric

April 2, 2015

Group number:

Team member names:

Team member(s) claiming software component:

Implementation: 35 points

get_orientation(): 15 points

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

p_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(): 10 points

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

Demonstration: 30 points

Orientation 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 orientation: 10 points

- (10) The program properly detects when to stop ramping up the middle fan thrust.
- (5) The program responds to errors in the heading of the craft, but responds late.
- (0) The program does not use rotation rate to stop the ramping of the middle fan thrust.

Documentation: 35 points

Function header documentation: 20 points

- (20) 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).
- (15) One function is not documented properly.
- (8) 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.