AME 3623: Project 7 Group Grading Rubric

April 12, 2017

Group number:

Team member names:

Team member(s) claiming software component:

Implementation: 35 points

PD-control: 20 points

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

State display: 15 points

- (15) Fully meets the given specification, including: displaying rotation rate and heading error.
- (8) Fails to meet one aspect of the specification.
- (0) Fails to meet two or more aspects of the specification.

Demonstration: 30 points

Orientation error and rotation rate display: 15 points

- (15) The orientation error and rotation rate are reflected by the LEDs.
- (10) There is one problem with the display.
- (5) There are two problems with the display.
- (0) There are more than two problems with the display.

PD controller: 15 points

- (15) The PD controller pushes the craft toward the goal and is well-tuned.
- (10) There is a small problem with the PD controller (e.g., it works but it is not well tuned).
- (5) The PD controller is recognizable, but there are serious problems (e.g., selected parameters are poorly tuned or the heading error computation does not handle wrap-around correctly).
- (0) The PD controller does not work.

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: 20 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.