Peter Huynh

September 14, 2016

CSCI 3302

Homework 1

Peer Assessment

Assessment 1: Robotics Homework 1 - Submitted on Sunday, September 11, 2016, 11:05

PM, Modified on Sunday, September 11, 2016, 11:06 PM

1) 10 Points – Full Credit, got both!
2) 5 Points – Full Credit, correct!
3) a. 10 points – Correct process and angle
   b. 10 Points – Correct again!
4) a. 2 Points – Only wrote one column
   b. 2 Points – Incorrect
   c. 4 Points – stated that the inverse is the transpose, but didn't write it out
5) 10 points – Both coordinate systems
   4 points – Stated velocity, but not rw
   3 points – stated x, but not correct
   3 points – No mention of y movement
   3 points – Stated theta, but not correct

Assessment 2: Homework 1 - Submitted on Sunday, September 11, 2016, 11:50 PM

1) 8 Points – Correct for two degrees, but incorrect for two others
2) 5 Points – Correct, Full Credit
3) a. 9 Points – Correct, but didn't use dot products
   b. 7 Points – Incorrect, but attempted with explanation
4) a. 5 Points – Correct, Full Credit
   b. 3 Points – Incorrect, but attempted with explanation
   c. 2 Points – Incorrect, but answered
5) 0 Points – No attempt
   3 Points – Incorrect, Attempted
   0 Points – No attempt
   1 Points – No attempt, but previous attempt was a part of this as well
   1 Points – No attempt, but previous attempt was a part of this as well

Assessment 3:   HW1BrandonSpitler - Submitted on Sunday, September 11, 2016, 10:22

        PM

1) 8 Points – Got one degree of freedom correct, and attempted to explain the other.
2) 5 Points – Correct, Full Credit
3) a. 10 Points – Correct, Full Credit
   b. 10 Points – Correct, Full Credit
4) a. 4 Points – Incorrect, but thorough attempt
   b. 2 Points – Incorrect, but attempted
   c. 3 Points – Incorrect, same as 4a attempt
5) 10 Points – Stated both axis
   4 Points – Stated velocity
   3 Points – Stated directional movement, not attempt to solve
   3 Points – stated directional, no mention of y or skidding
   5 Points – Solve, but in different stated terms

Self-Assessment: Peter Huynh: Homework 1 - Submitted on Saturday, September 10, 2016,

        3:26 PM

1) 10 Points – Full Credit, Correct.
2) 3 Points – Attempted with valid reasoning, but wrong perspective
3) a. 10 Points – Full Credit, Correct
   b. 9 Points – Stated a correct vector in z direction, but not as long as $(0,0,1)^T$
4) a. 5 Points – Full Credit, Correct
   b. 4 Points – Thorough and clear attempt, but applied wrong way
   c. 5 Points – Full Credit, Correct
5) 5 Points – Full Credit, stated both axis
   4 Points – Attempted to solve for all velocities
   4 Points – Attempted to solve.
   3 Points – On diagram, but not explicitly stated
   3 Points – No formula, but appears on diagram