



Unit 7 - Week 6

Course outline

How to access the portal

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

- Lecture 31 Introduction to Stability Augmentation
- Lecture 32 Pure Yawing & Pure Rolling Motion
- Lecture 33 SAS for Longitudinal Dynamics
- Lecture 34 SAS for Lateral Dynamics
- Lecture 35 Flight Handling Qualities
- Lecture 36 Numericals
- Quiz : Assignment 6
- Solutions for Assignment 6

Week 7

Week 8

Assignment 6

The due date for submitting this assignment has passed. **Due on 2016-08-30, 23:59 IST**
As per our records you have not submitted this assignment.

1) Data for Ques 1 to 5: 2 points
Suppose an airplane is constrained to be pure yawing motion. Using the data given for general aviation airplane determine

The yawing moment equation in state-space form

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No, the answer is incorrect.
Score: 0

Accepted Answers:

2) The characteristic equation is given by 2 points

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No, the answer is incorrect.
Score: 0

Accepted Answers:

3) The eigen value for the system is 2 points

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No, the answer is incorrect.
Score: 0

Accepted Answers:

4) The damping ratio for the characteristic equation 2 points

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No, the answer is incorrect.

Score: 0

Accepted Answers:

5) The natural frequency of the system is

2 points

-
-
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-

No, the answer is incorrect.

Score: 0

Accepted Answers:



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