isourses * Aircraft Dynamic Stability & Design of Stability Augmentation System Announcements Course Ask a Question Pro Jnit 9 - Week 8 Assignment 8 Pro due date for submitting this assignment has passed. Due on 2016-09-14, 23 How to access The due date for submitting this assignment has passed. Due on 2016-09-14, 23 Week 1 1) Yawing moment equation for an aircraft is given as Week 3 0.005 and 0.05 Week 4 0.05 and 0.05 Week 5 0.05 and 1.24 Week 6 0.05 and 1.24 Week 7 0.05 and 1.24 Week 8 0.25 core: 0 Accepted Answers: 0.05 and 1.24 2.124 and 1.24 0.124 and 1.24 Week 8 0.05 and 1.24 2.124 and 1.24 0.124 and 1.24 Week 8 0.05 and 1.24 2.124 and 1.24 0.124 and 1.24 No, the answer is incorrect. Score: 0 Accepted Answers: 0.05 and 1.24 2.144 and 1.24 No, the answer is incorrect. Score: 0 Accepted Answers: 0.052 (K ₁ =0.575 No, the answer is incorrect. Score: 0	
Announcements Course Ask a Question Proceeding Course Assignment Assignment has passed. Due on 2016-09-14, 23 As per our records you have not submitted this assignment. Week 1 () Yawing moment equation for an aircraft is given as The damping ratio and natural frequency are respectively Week 3 () 0.05 and 0.05 () 0.05 and 0.05 () 0.05 and 1.24 Week 6 () 0.05 and 1.24 () 1.24 and 0.05 () 0.05 and 1.24 Week 7 () 0.05 and 1.24 () 24 and 0.05 () 0.05 and 1.24 Week 8 () 0.05 and 1.24 () 24 and 0.05 () 0.05 and 1.24 Week 8 () 0.05 and 1.24 () 24 and 0.05 () 0.05 and 1.24 Week 8 () 0.05 and 1.24 () 24 and 0.05 () 0.05 and 1.24 Week 8 () 0.05 and 1.24 () 24 and 0.05 () 0.05 and 1.24 Week 8 () 0.05 and 1.24 () 0.05 and 1.24 () 0.05 and 1.24 Week 9 () 0.05 and 0.15 () 0.05 and 0.05 () 0.05 and 1.24 Numericals: () Saliton 1.24 () 0.05 and 0.05 () 0.05 and 0.25 Outz () Saliton 5 or () () () () () () () () () () () () () (
Course Outline Assignment 8 How to access the portal The due date for submitting this assignment has passed. Due on 2016-09-14, 23 As per our records you have not submitted this assignment. Week 1 1) Yawing moment equation for an aircraft is given as Week 2 0.05 and 0.05 Week 4 0.05 and 0.05 Week 5 0.05 and 1.24 Week 6 0.05 and 1.24 Week 7 0.05 and 1.24 Week 8 0.12 4 and 0.05 Lecture 41 Stabily Submit 3 1.54 and 0.25 Lecture 41 1.54 and 0.25 Submit 3 1.54 and 1.24 2) For question-1 what will be the feedback gain so that the desired damping ratio is 0.2 Stability 1.12 4 and 1.24 2) For question-1 what will be the feedback gain so that the desired damping ratio is 0.2 Stability 1.12 4 Augmentation 1.12 + 1.54 Stability 1.12 - 0.55 No, the answer is incorrect. Score: 0 Accepted Answers: 1.14 - 0.57 Submentals: 3. For an aircraft equation of motion for constrained pitching motion is given as The value of damping ratio and natural frequency are respectively<	gress
How to access the portal The due date for submitting this assignment has passed. Due on 2016-09-14, 23 How to access the portal As per our records you have not submitted this assignment. Week 1 1) Yawing moment equation for an aircraft is given as Week 2 The damping ratio and natural frequency are respectively Week 3 0.05 and 0.05 Week 4 0.05 and 0.05 Week 5 0.05 and 0.24 Week 6 0.05 and 1.24 Week 7 0.05 and 1.24 Week 8 0.05 and 1.24 Lecture 41 Subility Augmentation System IK-j=0.125 Lecture 42 Numericals: Mode Shapes IK-j=0.755 Quiz: Assignment 8 Solutions for Assignment 8 Solutions for 	
Week 1 1) Yawing moment equation for an alrcraft is given as Week 2 1) Yawing moment equation for an alrcraft is given as Week 3 0.05 and 0.05 Neek 4 0.05 and 0.05 Week 5 1.24 and 0.05 Week 6 0.05 and 1.24 Week 7 1.24 and 1.24 Week 8 0.05 and 1.24 Lecture 41 Stability Subility 0.575 Augmentation $ K_1 =0.125$ Numericals: No, the answer is incorrect. Score: 0 Accepted Answers: Outiz : Assignment 8 Solutions for Assignment 8 Solutions for Assignment 8 2.343 and 2.343 Subility 2.343 and 2.343 Solutions for Assignment 8 0.015 and 2.343 No, the answer is incorrect. Score: 0	:59 IS7
Week 2Week 3Week 3Week 4Week 5Week 5Week 6Week 7Week 7Week 8Lecture 41 Stability Augmentation SystemLecture 42 Numericals: Mode ShapesQuiz : Assignment 8Ouiz : Assignment 8Solutions for Assignment 8Ouiz : Assignment 8Ouiz : A	1 pc
Veek 3 0.05 and 0.05 Veek 4 0.05 Veek 5 0.05 and 1.24 Veek 6 1.24 and 0.05 Veek 7 0.05 and 1.24 Veek 8 0.05 and 1.24 Lecture 41 Stability Augmentation System 0.65 and 1.24 Lecture 42 Numericals: Mode Shapes 0.124 Outiz : Assignment 8 0.05 and 1.24 Solutions for Assignment 8 0.05 and 1.24 No, the answer is incorrect. Score: 0 0.05 and 1.24 No, the answer is incorrect. Score: 0 0.125 No, the answer is incorrect. Score: 0 0.125 Solutions for Assignment 8 0.15 Oolit : Assignment 8 0.15 No, the answer is incorrect. Source: 0 0.015 No, the answer is incorrect. Score: 0 0.015	
Veek 4Veek 4Veek 5Veek 6Veek 7Veek 8Lecture 41 Stability Augmentation SystemLecture 41 Stability Augmentation SystemLecture 42 Numericals : SASLecture 43 Numericals : SASLecture 43 Numericals : SASOutiz : Assignment 8Solutions for Assignment 8Solutions for Assignment 8Solutions for Assignment 8No, the answer is incorrect. Score: 0Solutions for Assignment 8Solutions for Assignment 8S	
Week 5 1.24 and 1.24 Week 6 1.24 and 1.24 Week 7 Score: 0 Week 8 0.55 and 1.24 Lecture 41 Stability Stability IK1=0.125 Augmentation IK1=0.575 System IK1=0.575 Lecture 42 IK1=0.755 Numericals: IK1=0.755 Mode Shapes IK1=0.575 Quiz: Assignment 8 Solutions for Assignment 8 Solutions for Assignment 8 Solutions for 2.343 and 2.343 2.343 and 0.015 0.015 and 0.015 0.015 and 0.015 0.015 and 0.243 No, the answer is incorrect. Score: 0	
Veek 6No, the answer is incorrect. Score: 0Veek 7Accepted Answers: 0.05 and 1.24 Veek 82) For question-1 what will be the feedback gain so that the desired damping ratio is 0.2 Lecture 41 Stability Augmentation System $ K_1 =0.125$ $ K_1 =0.575$ Lecture 42 Numericals: Mode Shapes $ K_1 =0.755$ Quiz : Assignment 8No, the answer is incorrect. Solutions for Assignment 8Solutions for Assignment 83) For an aircraft equation of motion for constrained pitching motion is given as 0.015 0.015 and 0.015 0.015 and 0.015 0.015 0.015 and 0.015 <b< td=""><td></td></b<>	
Veek 7Veek 8• Lecture 41 Stability Augmentation System• Lecture 42 Numericals : SAS• Lecture 43 Numericals: Mode Shapes• Quiz : Assignment 8• Ouiz : Assignment 8• Solutions for Assignment 8• Ouiz : Ouiz : Assignment 8• Ouiz : Ouiz : Ouiz : Ouiz : Assignment 8• Ouiz : Ouiz :	
Veek 82) For question-1 what will be the feedback gain so that the desired damping ratio is 0.2Lecture 41 Stability Augmentation System $ K_1 =0.125$ Lecture 42 Numericals: SAS $ K_1 =0.575$ Lecture 43 Numericals: Mode ShapesNo, the answer is incorrect. Score: 0Quiz : Assignment 83) For an aircraft equation of motion for constrained pitching motion is given asSolutions for Assignment 8The value of damping ratio and natural frequency are respectively2.343 and 0.015 0.015 and 0.015 0.015 and 2.3430.015 0.015 and 2.343No, the answer is incorrect. Score: 0Score: 0	
Lecture 41 Stability Augmentation System $ K_1 =0.125$ $ K_1 =0.575$ $ K_1 =1.54$ $ K_1 =0.755$ Lecture 42 Numericals : SAS $ K_1 =0.755$ Score: 0Lecture 43 Numericals: Mode ShapesNo, the answer is incorrect. Score: 0Quiz : Assignment 8 $ K_1 =0.575$ 3) For an aircraft equation of motion for constrained pitching motion is given asSolutions for Assignment 8 2.343 and 2.343 2.343 and 0.015 0.015 and 0.015 0.015 and 2.343 No, the answer is incorrect. Score: 0 2.343 and 2.343 2.343 and 2.343 2.343 and 0.015 0.015 and 2.343	2 poi
Augmentation System $ K_1 =0.575$ $ K_1 =1.54$ $ K_1 =0.755$ SASLecture 42 Numericals: Mode ShapesNo, the answer is incorrect. Score: 0Quiz : Assignment 83) For an aircraft equation of motion for constrained pitching motion is given asSolutions for Assignment 83) For an aircraft equation of motion for constrained pitching motion is given asSolutions for Assignment 82.343 and 2.343 2.343 and 2.343 0.015 0.015 and 0.015 0.015 and 2.343No, the answer is incorrect. Score: 0Score: 0	
System $ K_1 =1.54$ Lecture 42 Numericals: Mode Shapes $ K_1 =0.755$ Quiz : Assignment 8Accepted Answers: $ K_1 =0.575$ Quiz : Assignment 83) For an aircraft equation of motion for constrained pitching motion is given asSolutions for Assignment 82.343 and 2.343 2.343 and 0.015 0.015 and 0.015 0.015 and 0.015 0.015 and 2.343No, the answer is incorrect. Score: 0	
Lecture 42 Numericals : SAS $ K_1 =0.755$ Lecture 43 Numericals: Mode ShapesNo, the answer is incorrect. Score: 0Quiz : Assignment 8Accepted Answers: $ K_1 =0.575$ 3) For an aircraft equation of motion for constrained pitching motion is given as 2.343 and 2.343 2.343 and 2.343 2.343 and 0.015 0.015 and 0.015 0.015 and 0.015 0.015 and 2.343 No, the answer is incorrect. Score: 0	
SAS Lecture 43 Numericals: Mode Shapes Quiz : Assignment 8 Solutions for Assignment 8 Solutions for Assignment 8 Outz : Numericals: Mode Shapes Jeacepted Answers: Jeacepted Answers: <t< td=""><td></td></t<>	
Lecture 43 Numericals: Mode ShapesScore: 0Quiz : Assignment 8Accepted Answers: $ K_1 =0.575$ 3) For an aircraft equation of motion for constrained pitching motion is given asSolutions for Assignment 8Solutions for Assignment 82.343 and 2.3432.343 and 2.3432.343 and 0.0150.015 and 0.0150.015 and 0.0150.015 and 2.343No, the answer is incorrect. Score: 0	
Numericals. Mode ShapesAccepted Answers: $ K_1 =0.575$ Quiz : Assignment 83) For an aircraft equation of motion for constrained pitching motion is given asSolutions for Assignment 8The value of damping ratio and natural frequency are respectively2.343 and 2.3432.343 and 0.0150.015 and 0.0150.015 and 0.0150.015 and 2.3430.015 and 2.343No, the answer is incorrect. Score: 0	
Out2: Assignment 8 3) For an aircraft equation of motion for constrained pitching motion is given as Solutions for Solutions for Assignment 8 2.343 and 2.343 2.343 and 2.343 2.343 and 0.015 0.015 and 0.015 0.015 and 2.343 0.015 and 2.343 0.015 and 2.343 No, the answer is incorrect. Score: 0	
 Solutions for Assignment 8 The value of damping ratio and natural frequency are respectively 2.343 and 2.343 2.343 and 0.015 0.015 and 0.015 0.015 and 2.343 No, the answer is incorrect. Score: 0 	1 pc
 2.343 and 2.343 2.343 and 0.015 0.015 and 0.015 0.015 and 2.343 No, the answer is incorrect. Score: 0 	
 2.343 and 0.015 0.015 and 0.015 0.015 and 2.343 No, the answer is incorrect. Score: 0 	
 0.015 and 0.015 0.015 and 2.343 No, the answer is incorrect. Score: 0 	
 0.015 and 2.343 No, the answer is incorrect. Score: 0 	
No, the answer is incorrect. Score: 0	
Accepted Answers:	
0.015 and 2.343	

26/07/2020

Aircraft Dynamic Stability & Design of Stability Augmentation System - - Unit 9 - Week 8



A project of In association with In association w

© 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -

