

AE1350B/C
Fall 2008 Homework #4
Due: Thursday, December 4 at beginning of class or before

THIS HOMEWORK IS OPTIONAL

If you do it, then it counts as part of your Homework Grade %
This is not extra credit

1. Problem 10.2 in your text.
2. An aircraft has been developed that ended up being longitudinally statically unstable.
 - (a) Describe something that can be done to fix the problem without changing the external shape or c.g. location of the aircraft.
 - (b) Which way would the c.g. need to be moved to improve longitudinal stability?
3. Problem 9.10 in your text.
4. Problem 9.11 in your text.
5. Problem 8.2 in your text.
6. Problem 8.3 in your text.