

AE3521

Fall 2001 Homework #7

Due: Friday November 30, 2001 at beginning of class or before

1. Nelson chapter 3, problem 3.7, p. 129 (2 points).
2. Nelson chapter 3, problem 3.9, p. 129. In addition to the derivatives listed, also estimate and compare c_{l_p} , i.e. roll damping (4 points).
3. Nelson chapter 4, problem 4.12, p. 177 (5 points). The “Executive Jet” is the Jetstar.
4. Nelson chapter 4, problem 4.19, p. 178 (5 points).