

AE6520
Fall 2002
Homework #9

Due: Monday November 25, 2002 at 11am (beginning of class)

1. Do problem 6.1 in the text, and assume the non-dimensional coefficient $c_{z_v} = 0$.
2. Do problem 6.3 in the text.
3. Do problem 6.7 in the text, compare the modes and associated eigenvectors.
4. Do problem 6.8 in the text (hint: showing modes have real parts less than *or equal* to zero will be sufficient).
5. Do problem 6.9 in the text.
6. Do problem 7.3 in the text.