

Physics 136b, Week 6: Vorticity (Continued)

(Dated: due Feb 15, 2012)

The maximum number of points you can get for this assignment is **30**, although you could choose to do problems that worth more than 30 points.

This week we discussed vorticity, covering 14.5 and 14.6 of Blandford and Thorne (BT). [See version 1114.1.K of Chapter 14.]

1. **Winds and Ocean Currents in the North Atlantic.** Exercise 14.12 of BT [15 Points]
2. **Circulation in a Tea Cup.** Exercise 14.13 of BT [20 Points]
3. **Excitation of Water Waves by Wind, and Rayleigh Taylor Instability.** Exercise 14.15 of BT [20 Points]