

**ESS415/515 Problem Set 6**  
**Winter 2014**  
**Due Friday March 7**

From Chapter 8:

1. Question 9, Chapter 8, p. 372 of Parks (Chaman-Ferraro layer)
2. Question 12, Chapter 8, p.372 of Parks (cross magnetosphere potential drop)

From Chapter 9

3. Question 2, Chapter 9, p. 435 of Parks (about validity region for cold plasma waves)
4. Question 4, Chapter 9, p. 436 of Parks (cold plasma wave doppler effect)
5. Question 19, Chapter 9, p. 437 of Parks (transmission and reflection of Alfven waves)