

CHAPTER 18**Reading: Chapter 18, Magnetohydrodynamics**

[NOTE: Sections 18.4–18.7 of Version 0218.1.pdf (the version going onto the Web on Wednesday night, 5 March) are in very bad shape. I apologize. I will endeavor to produce a much improved version of these sections by Thursday night. — Kip]

Problems

A. DO one of:

Exercise 18.1, Derivation of MHD Equations, OR
Exercise 18.2, Diffusion of Magnetic Field

B. DO one of:

Exercise 18.3, The Earth's Bow Shock, OR
Exercise 18.5, Force-Free Equilibria

C. DO Exercise 18.10, Rotating Magnetospheres

D. DO one of:

Exercise 18.11, Solar Wind, OR
Exercise 18.6 Hartmann Flow