

Massachusetts Institute of Technology
Department of Electrical Engineering and Computer Science
6.691 Seminar in Advanced Electric Power Systems

Problem Set 1

Issued February 13, 2006
Due February 27, 2006

Reading Assignment: In *Power Systems Analysis* by Bergen and Vittal, *Read* Chapter 1, *Read and Understand* Chapters 2 and 4

If Chapter 2 appears to start at a level beyond your background or if you feel the need for some review, take a look at the OCW web site for the basic power systems subject.

The first three chapters of notes may be useful

Then work the following problems in that textbook:

From Chapter 2: Problems 2.7 and 2.11

From Chapter 4: Problems 4.1, 4.2, 4.15 and 4.27