

ENEE 610 Fall 2003

Final Exam Study Points - updated (fourth) version

(other updates may occur through Monday, 12/15/03)

1. The exam will be open book, open notes (notebooks will be due at the end of the exam).
2. There will be three multipart questions, two based upon the class notes and textbook material and one based upon papers presented.
3. Two questions will be available associated with the papers presented by (everyone will choose one of the questions):
 - a) Keeley
 - b) Jaleel
4. Other topics to study
 - a) Graph theory, semistate and state equations (setting up) and finding v_o/v_i .
 - b) Properties of passive circuits - positive-real conditions and synthesis.
 - c) Use of gyrators and Spice terminology as well as controlled sources
 - d) Equations for regions of operation of NMOS transistors.
 - e) Indefinite Y matrix and elimination of internal nodes.
 - f) Bridge circuits and their balance.