EE 277 Project 4
Proposal for the Final Project

Assigned: November 4, 2001
Due: 5 PM, Monday, November 12, 2001.

Propose a final project on computational electromagnetics, using one of the
three methods or their improved versions discussed in this course: the finite-
element method, finite-difference time-domain method, or method of moment.
The project must be at least in two dimensions. Following requirements must
be met:

1. The problem has to be at least two-dimensional.

2. You may NOT directly use your current and previous research projects
for this project.

3. Write the proposal in one page including following items
   • Motivation: Why do you want to do this particular problem?
   • Approach: Which method are you proposing to employ?
   • Outcome: What do you expect to achieve once this project is com-
     pleted?
   • Your efforts: What specific efforts do you expect to make to complete
     this project? Specifically, do you expect to use public-domain codes
     and do modifications for your project, or are you going to write your
     own codes? What validation procedures will you take?

Some computer programs are available at the end of the textbook and at
the web site given by the textbook. You may be able to find other public-
domain codes from other web sites. You may use these programs in your
practice.

4. Before the deadline, submit your one-page proposal, with sufficient details,
   by emails. A plain text format is preferred.

Note that the final project will be assigned based on your proposal and our
further discussions.