

**First design project**

Use lab time this week to work on one of the available design projects. The three that are most appropriate for your current skills are the stereo amp, the cross-over network, and the color organ filters. The detailed descriptions and requirements for each can be under the “Design Projects” link on the lab web page.

You will work as a team with your usual lab partner – one project and one report for the two of you.

You can use the lab time in whatever manner you think is best for you. You can use it to do the preliminary design work or to build and test various sub-circuits. If you are really well-prepared, you might be able to finish the project completely this week.

**Reporting**

1. You must demonstrate your design to your lab instructor at some point. You can do it this week, if you get that far. Or you can do it later, if needed. In any case, the demonstration must be done by the end of your lab period during the week of Mar. 5.
2. Then you must write up a report describing your designed circuit. You can submit this report anytime following the demonstration of your circuit, but the report must be submitted by the end of your lab period during the week of Mar. 5.
3. The entire project is worth 100 lab points – 50 points for the demonstration and 50 points for the report.

Note: There will be two other “design weeks” during the semester. During those times, you will work on other design projects. As your skills increase, more of the lab projects will be accessible to you