

**ECE 201: Introduction to Electrical Engineering II**  
**Prof. B.-P. Paris**  
**Lab 5: Complex Exponentials**

**Preparation** Work through the material in sections C.2.1 and ensure that you thoroughly understand it.

**MATLAB Warm-up** Solve both warm-up exercises in section C.2.2. It is a very good idea to do these exercises **before** you come to the lab, in particular, you should have a good idea how to program the function `sumcos`. As always, don't use loops!

You should include the relevant results from the commands described in the above sections in your report along with a listing of your function `sumcos`.

**MATLAB Exercise** Work the MATLAB exercises described in section C.2.3 and C.2.4. Document what you did in the report; include both MATLAB code and an explanation of what your code does. Also include the required plots for each exercise.

**Report** The report is due one week after this lab and must include all the items mentioned above..