

CENG4480 Embedded System Development and Applications**Computer Science and Engineering Department****The Chinese University of Hong Kong****Lab manual: Laboratory 1: Op Amp****Introduction**

This lab session introduces some very basic concepts of operational amplifier "op amp" that every engineering student should know about. The op amp IC used in this lab is LM324 which contains 4 op amps modules; we only use one of them in this exercise.

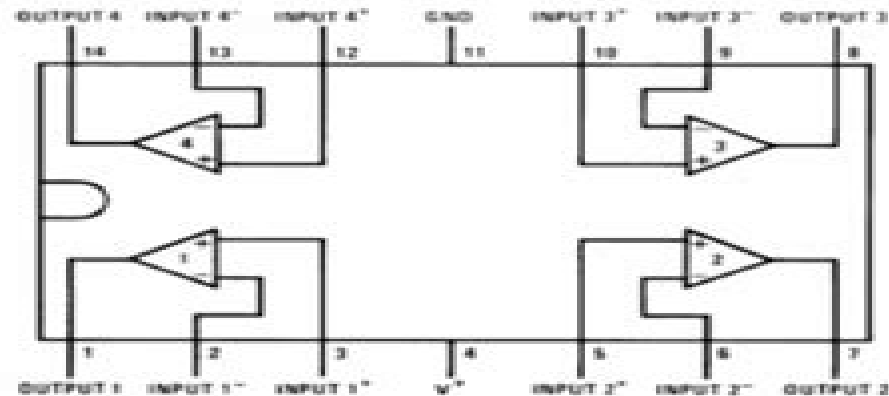


Figure 1. Pinout for the LM324.

Objectives

By completing this lab session, you should know:

1. how to use op amp circuits to interface between sensors and MCU;
2. how to design amplifier circuit using op amp and
3. how to design integrator and differentiator circuit using an op amp.

Procedures and what to submit:

Op Amp Lab Manual

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