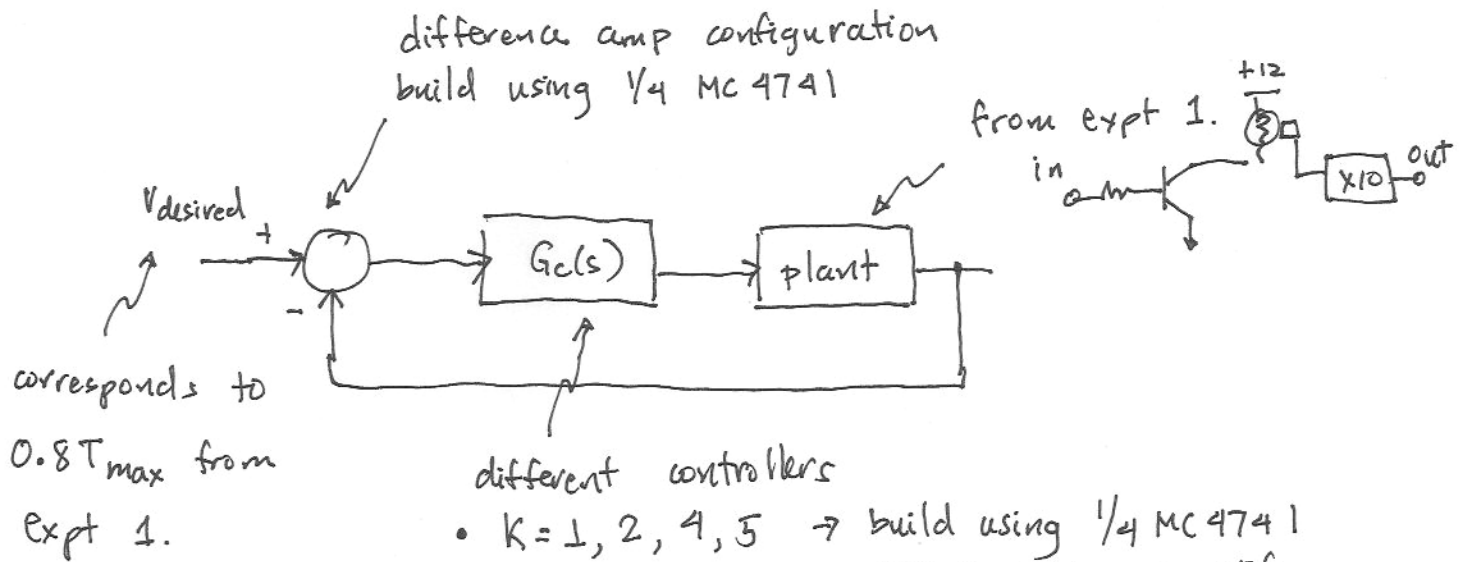


# EEE 151 experiment 2

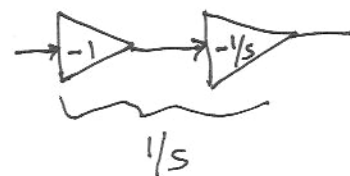
- build a closed loop, unity gain feedback system.
- investigate the performance of a pure gain controller and an integrator.



### different controllers

- $K=1, 2, 4, 5 \rightarrow$  build using 1/4 MC4741 non-inverting amplifier
- integrator  $\rightarrow$  inverting amp and integrator using MC4741

### remarks.



- $T_{max}$  is the highest temp recorded in expt 1.
- integrator is built using  $1M\Omega$  and  $1\mu F$
- construct the difference amp, non-inverting amp, inverting amp, and integrator before coming to class. one MC4741 should be enough for all these blocks.
- wire up all your circuits before class.