



In this bridge, the output voltage  $V_{out}$  is now a difference between the two sides of the bridge.

We will connect the output voltage to a 741 op amp and two light-emitting diodes (LEDs), as discussed in class. The objective is to turn on an LED depending on which thermistor is sensing the higher temperature. Please wire the circuit and demonstrate that it works properly. Include a complete diagram of the circuit in your lab notebook, along with a brief explanation of how the circuit works.

## Circuit Analysis with PSpice

If time permits, an exercise to introduce you to circuit analysis with the program PSpice will be distributed in lab. A link to the exercise is available on the Web at <http://www.eg.bucknell.edu/~kozick/elec101/lab3.html>