* Characterization of the 741 Op Amp

Results Sheet for Preliminary Exercises

NAME: LAB SECTION:

* Open Loop Characteristics
* Attach plot.
* *Ao* =
* *Vi* =
* *Voffset* =

(e) *Voffset=* ,

*Ibias=*

(f) % error =

(g) Sketch your circuit and briefly explain its operation.



(h) *Vo* = What is the source of this voltage?

(i) Explain your answer.



* Frequency Response
* Attach plot and annotated SPICE file.
* Predicted 3dB bandwidth of closed-loop circuit
* Open-loop unity gain frequency *fu* (from SPICE)

Open-loop corner frequency *fb* (from SPICE)

* Large Signal Characteristics
* Attach annotated SPICE plot.
* Slew Rate =

1(a) Plot:

2(a) Plot:

3(a) Plot:

**Workspace:**

**1(e)**

**1(f)**

**1(b)**

**3(b)**

**2(c)**