## Lab Mar Callutations #3

ELGN 325

1) Supply Voltage: -18v - 18v
input offset Voltage: 6mV
power Consumption: 50 max,
output resistence: 75 SL
input (esistence: 2m SL
Sku rate: ,5 by phan

Differential input Voltage: -15 v - 15 v
Voltage gain: 106 dB typical
Dis min
Bandwidth: 7 mHz = 1 mHz
infot offset Current: 200 nA

 $\frac{|2)}{R_1} \frac{1}{\sqrt{x-v_1}} + \frac{\sqrt{x-v_0}}{\sqrt{x-v_0}} = 0 \quad \sqrt{x-v_0}$ 

$$\frac{-V_{1}}{R_{1}} + \frac{-V_{01}}{R_{2}} = 0$$
  $\frac{-V_{1}}{R_{1}} = \frac{V_{01}}{R_{2}}$ 

$$\frac{V_{01} = -R_2}{V_1}$$

Non-inverting:  $\frac{V_i}{R_3} + \frac{V_i - V_{02}}{R_4} = 0$   $V_i \left(\frac{1}{R_3} + \frac{1}{R_4}\right) = \frac{V_0}{R_4}$   $\frac{V_{02}}{V_1} = R_4 \left(\frac{1}{R_3} + \frac{1}{R_4}\right) = 1 + \frac{R_4}{R_3}$   $\frac{V_{02}}{V_{1n}} = 1 + \frac{R_4}{R_3}$ 

3)  $6^{1} = y^{2} = 10^{K} 2^{T}$   $A^{2} = y^{2} = 10^{K} 2^{T}$   $A^{2} = y^{2} = 10^{K} 2^{T}$   $A^{2} = y^{2} = y^{2}$   $A^{2}y^{2} = x^{2}$   $A^{2}y^{2} = x^{2}$