



### AC ANALYSIS IN LAPLACE NOTATION:

$$e = \frac{R_2 \parallel R_3}{\frac{1}{sC_1} + R_1 + R_2 \parallel R_3} * V_1$$

$$i = \frac{e - V_2}{\frac{1}{sC_2} + R_4}$$

$$V_{OUT} = e + i * R_5$$

Algebraic reduction is left as an exercise for the student 😊

-JET 12/20/03