

ET 438b
Continuous and Digital Control
Non-Ideal OP AMP Operation

- 1.) A 0-5 V pulse is to be applied to a LM741 OP AMP operating as a comparator. What is the maximum input frequency that the pulse can have before the OP AMP's slew rate will affect the pulse response?

- 2.) If the 0-5 V pulse input frequency will be no greater than 25 kHz, find the slew rate specification that the OP AMP must have in this circuit.