

HOMework #2

Prob. 1 (prob. 1.58 text)

Prob. 2. Using a 741 SPICE model and a **limiter block** as shown in pp 51-52 of the text, simulate a non-inverting amplifier of gain 3 for

i) $V_1 = 10\sin 2\pi \times 10^3 t$

ii) $V_1 = 40t \cdot u(t)$

Plot the output voltages for both cases.

For Graduate Students.

Prob. 3 (prob. 1.8)

Prob. 4 (prob. 1.48)

Prob. 5 (prob. 2.23)