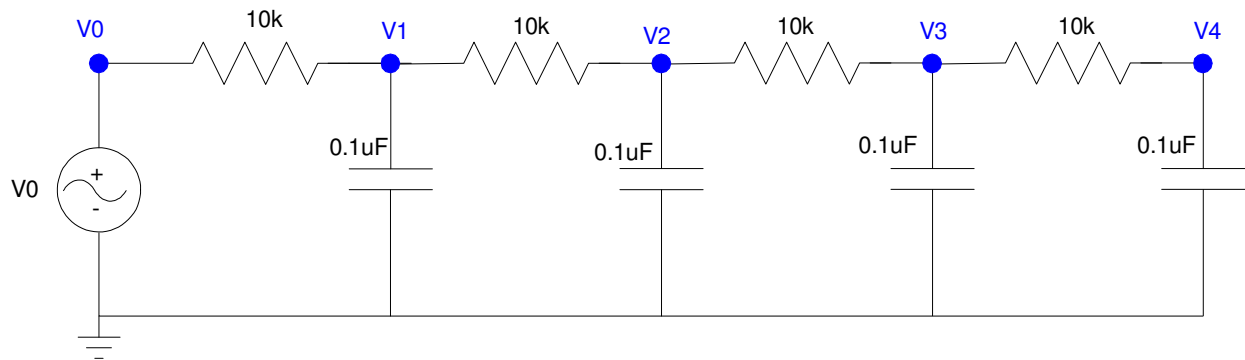


ECE 211: Lab #10

Phasors and Multi-Stage RC Circuits

Build the following circuit



- 1) Determine the phasor impedance of each element assuming

$$V_0 = 5 \cos(628t) \quad 5V \text{ peak, } 100\text{Hz sine wave}$$

- 2) Write the voltage node equations and solve for V1 .. V4 in phasor form
- 3) Simulate this circuit in PartSim (or similar program)
- 4) Build this circuit and measure the voltages at V1 .. V4 (amplitude and phase)

	Calculated	Simulated	Measured
V0	5 + j0		
V1			
V2			
V3			
V4			