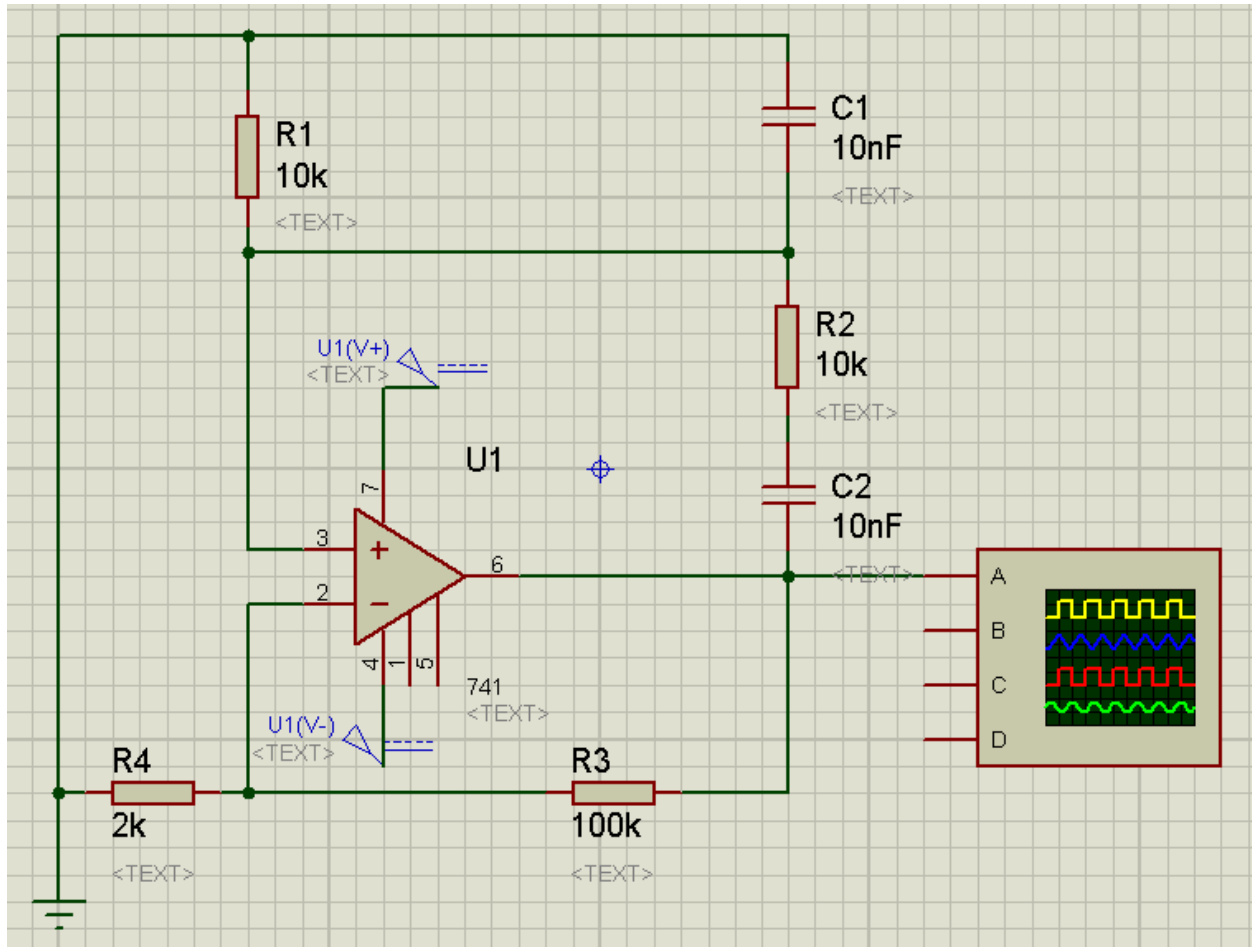


Exp.4 (Analog) Wien Bridge Oscillator



Steps:

1. Connect the circuit as the following figure (Op Amp 741)
2. Adjust the power supply to 12 and -12 Volt.
3. Display the output on the oscilloscope, calculate the output frequency, and draw the waveform in your paper.
4. Increase the output frequency $\omega=1/RC$, when $R=R_1=R_2$ and $C=C_1=C_2$.
5. Print the result and include your full name at R1 & Sec at R2

6. What is the maximum frequency of this circuit?

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