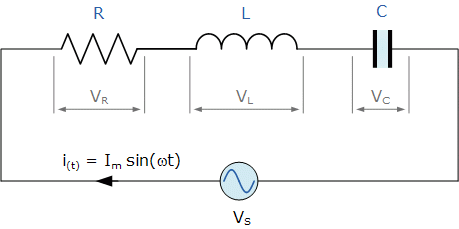
***ECE 232 LAB 11***

*CIRCUIT STATE-SPACE MODELING*



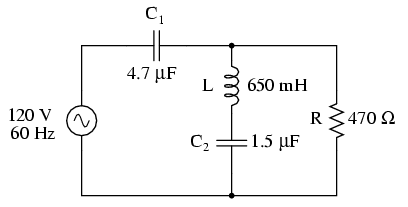
*Find a state space representation for the RLC circuit shown in Fig and assuming the output to be and the state vectors*

*=voltage across the capacitor ;*

*=inductor current ;*

*---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------*

*EXPERIMENTAL PART:*

**

*Plot the vs and show the Voltages,Peak to Peak ,Time/Div ,Volt/Div, probe vs..*

*Voltages:\_\_\_\_*

*P-p=\_\_\_\_\_*

*Time/Div=\_\_\_\_*

*Volt/Div=\_\_\_\_*

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