

**Lab Session 08****Exercise:**

Obtain the response of the following transfer function for an input  $r(t) = \sin(t) + e^{(-0.2t)}$  for  $t = 0$  to  $60$  sec, in a step size of  $0.001$  sec and comment on the result.

$$\frac{30}{s^2 + 5s + 30}$$

Write MATLAB script to solve the above problem. Attach the script (handwritten) and plot with this document.

*Nothing to write below this line. Use A4 sheet to write script and attach it with document. Also, attach properly cropped graph with this document.*

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