

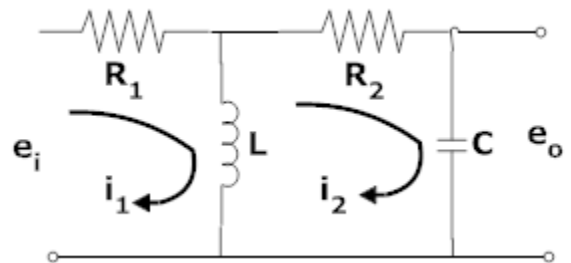
Automatic Control Systems

Sheet (04)

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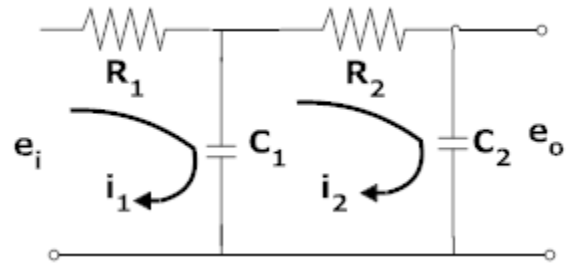
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1. For the electrical circuit shown in Figure below.
 - Obtain the transfer function $E_o(s)/E_i(s)$
 - Draw the block diagram

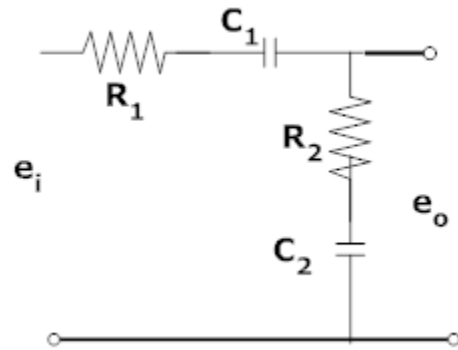


2. For the electrical circuit shown in Figure below.

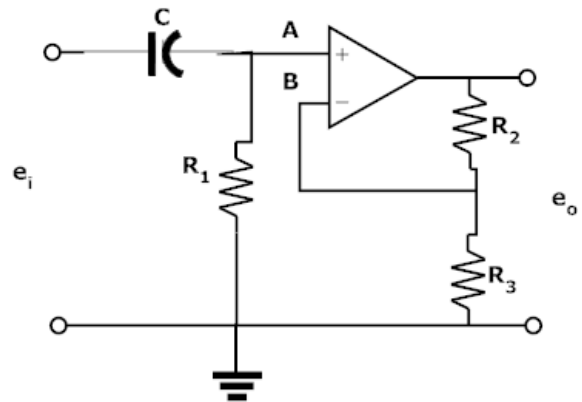
- Obtain the transfer function $E_o(s)/E_i(s)$
- Draw the block diagram



3. Derive the transfer function of the electrical circuit shown in Figure below.



4. Obtain the transfer function $E_o(s)/E_i(s)$ of the op-amp circuit shown in Figure below.



5. Obtain the transfer function of the op-amp circuit shown in Figure below.

