

Induced Electric Fields

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Thus, the electric force is not a conservative force?

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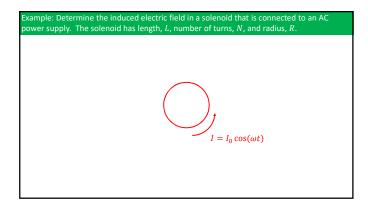
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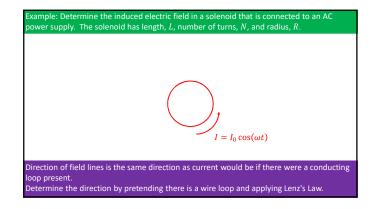
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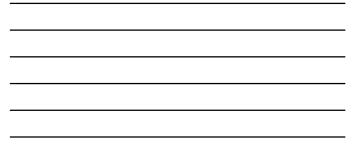
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 $\vec{E}_T = \vec{E}_{\text{Coulomb}} + \vec{E}_{\text{Nonconservative}}$

There is no ΔV associated with the induced \vec{E} .







Applications of Induction

- Guitar pick upsAlternators
- AlternatorsGenerators
- Transformers
- Induction stove
- Eddy brakes

