Induction

International Baccalaureate · IB Diploma · Physics · HL ·
Vocabulary in context

Word	Example
magnetic flux /mæg'netɪk flʌks/	**Magnetic flux** is the flux density times the area.
normal /'nɔ:ml/	The **normal** is a line at 90° to the surface. 
weber /'veɪbə/	The **weber** is the unit of magnetic flux.
flux linkage /flʌks 'lɪŋkɪdʒ/	**Flux linkage** is the flux times the number of turns.
induced /ɪn'dju:st/	Moving a magnet in a coil gives an **induced** voltage.
induced current /ɪn'dju:st 'kʌrənt/	An **induced current** flows when the magnet moves.
Faraday's law /'færədeɪz lɔ:/	**Faraday's law** says faster change gives a bigger e.m.f.
Lenz's law /'lentsɪz lɔ:/	**Lenz's law** says the current opposes the change.
generator /'dʒenəreɪtə/	A wind turbine turns a **generator** to make electricity.
transformer /træns'fɔ:mə/	A **transformer** changes the voltage.
self-induction	**Self-induction** in a coil slows down changes in the current.
eddy currents /'edi 'kʌrənts/	**Eddy currents** heat the metal plate.

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