



**ELECTRICIAN'S BOOK-THE EXPERIMENT
OF ELECTRICITY PRODUCTION (20
MODULES SERIES&VIDEO DEMO)Rotating a
coil in magnetic field**

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There are more ways to generate the electromotive force(EMF).

<http://scratch.mit.edu/projects/13408595/>

EMF is in fact a voltage.To do our experiment we need to have available magnetic field, and a coil made by copper wire.Magnetic field is going to be supply by a pair of permanent magnets. Intensity of magnetic field is a measurable parrameter and most of the time is indicate by letter B.Magnetic field intensity (B) is measured in Tesla (T).Here in this section you understand how the experiment is set-up.You have the option to achieve all modules from 1 to 20 or to choose the ones important for you in order to understand how the electricity is generated. I will encourage you to achieve the complete package and read them step by step as indicated below. Highlighted item is the one you just achieved:

Lorenz Force

Faraday's Law

Permanent magnet and the electromotive force(EMF)

Moving a coil into a magnetic field

The Magnetic Flux

Magnetic Flux & Surfaces

Magnetic Flux and Voltage

Magnetic flux variation

How the Electromotive Force will appear

Magnetic field intensity (B)

Wire polarization with electric charges

EMF formula: $U=V*B*L*\sin \theta$

Rotating a coil in magnetic field

The experiment of electricity production

Single Phase Generator

Voltage and Current Diagram

Why sine wave?

Three Phase Generator

Voltage and Current Diagram

Why sine wave?

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From reader reviews:

Marie Michael:

This book untitled ELECTRICIAN'S BOOK-THE EXPERIMENT OF ELECTRICITY PRODUCTION (20 MODULES SERIES&VIDEO DEMO)Rotating a coil in magnetic field to be one of several books that will best seller in this year, that's because when you read this book you can get a lot of benefit upon it. You will easily to buy that book in the book store or you can order it by way of online. The publisher with this book sells the e-book too. It makes you more readily to read this book, as you can read this book in your Cell phone. So there is no reason to you personally to past this book from your list.

Susan Tarin:

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Irving Dorn:

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Homer Holmes:

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