



## CHAPTER 8: ELECTROMAGNETISM



### Extra Info

#### Fleming's Left-Hand Rule

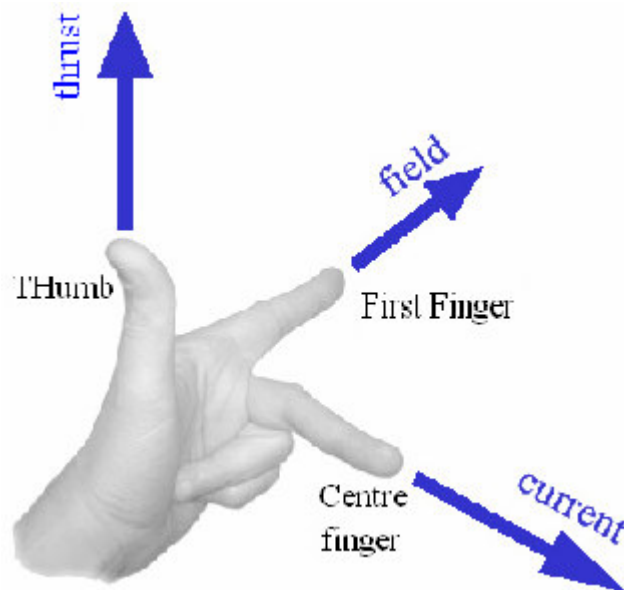
**Fleming's left-hand rule** is used to predict the direction of a **force** (or thrust) acting on a current-carrying conductor in a magnetic field. It is also known as the **Motor Rule**.

The left hand is stretched out with the thumb, first finger and centre finger mutually at right angles to each other.

The **F**irst finger represents the direction of the **F**ield.

The **C**entre finger represents the direction of the **C**urrent.

The **T**humb represents the direction of the **T**hrust.



Is there also a Fleming's right-hand rule?

Yes, there is also a Fleming's right hand rule which is used for generators. It is used to determine the direction of the induced e.m.f. (or induced current) in a generator. See the topic on electromagnetic induction.

Both rules are named in honour of a British engineer, *John Ambrose Fleming*, who invented them.