

SYMBOLS

FOMI FISCHER 2008



ELECTRON FROM
OBSERVER WITH
SPIN



ELECTRON TO
OBSERVER WITH
SPIN



ELECTRON
WITH SPIN



MAGNET



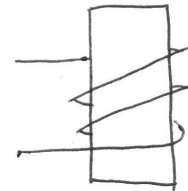
ION FROM
OBSERVER WITH
SPIN



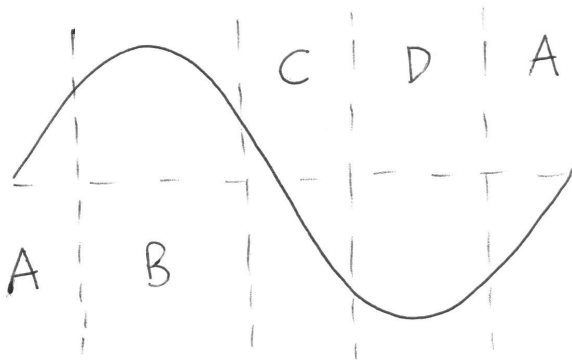
ION TO
OBSERVER WITH
SPIN



ION
WITH SPIN



COIL

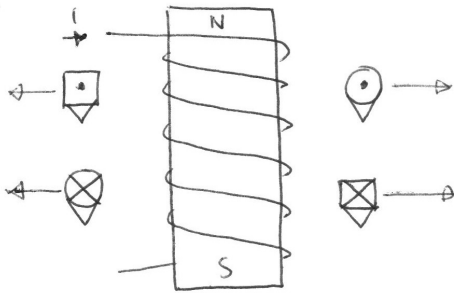


PHASES OF CURRENT THROUGH COIL

←
SPEED

PHASES

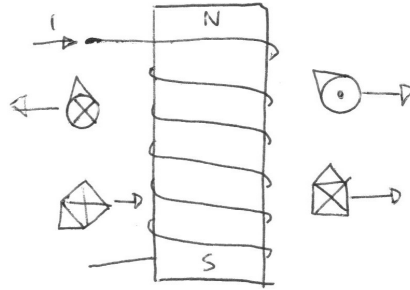
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A

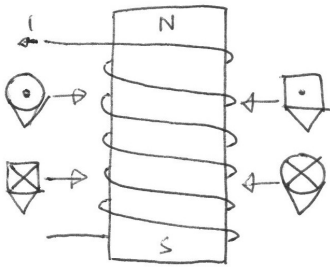
$$\text{ROT } \vec{E} = -\frac{\partial \vec{B}}{\partial t}; F = q\vec{V} \wedge \vec{B}$$

MAXIMUM INDUCED VOLTAGE,
ELECTRONS AND IONS GET
FAR FROM MAGNET



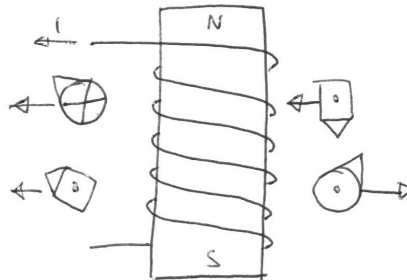
B

ELECTRONS AND IONS ARE
RECREATED AND ARE
SORTED FROM MAGNETIC FIELD
ON SPIN ORIENTATION



C

OPPOSITE OF A, ELECTRON
AND IONS ARE COMPRESSED
NEAR MAGNET AND HIGHER
ELECTRON-ION NEUTRALIZATION
OCCURS → FLUX KICK



D

AFTER $\frac{\pi}{2}$ PHASE, FLUX KICK
EFFECT SUMS A CURRENT ON COIL (CURRENT KICK),
MORE CURRENT FLOWS THROUGH COIL, THAN NORMAL.
ELECTRONS AND IONS RECREATED
AND SORTED IN MEDIUM FLUID

PER CYCLE EFFICIENCY

OSCILLATING CURRENT
POWER:

$$\frac{1}{\sqrt{2}} R i_{\text{MAX}}^2 = E_W$$

FLUX TO CLOSE
MAGNETIC CIRCUIT:

$$\phi_B = \mu \frac{n}{l} i_{\text{MAX}} A \quad \left(\begin{array}{l} \text{FROM} \\ \text{INDUCTOR} \\ \text{FORMULAS} \end{array} \right)$$

($\mu = \mu_0 \mu_r$)

ELECTRON SPIN
MAGNETIC FLUX:

$$\phi_e = \frac{h}{2q} \quad (1)$$

RELEASED ENERGY
PER MOLECULE DETONIZATION:

$$E_M = 15q$$



$$\eta = \frac{\frac{1}{2} f \frac{\phi_B}{\phi_e} E_M - E_W}{E_W}$$

$$= \frac{15 \sqrt{2} \mu f n A q^2}{R h l i_{\text{MAX}}} - 1$$

- (1) INTRINSIC MAGNETIC FLUX OF THE ELECTRON'S ORBITAL AND SPIN MOTION
K.K. WAN AND M. SAQLAM
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