Relaxation Time

Random Motion + Organized

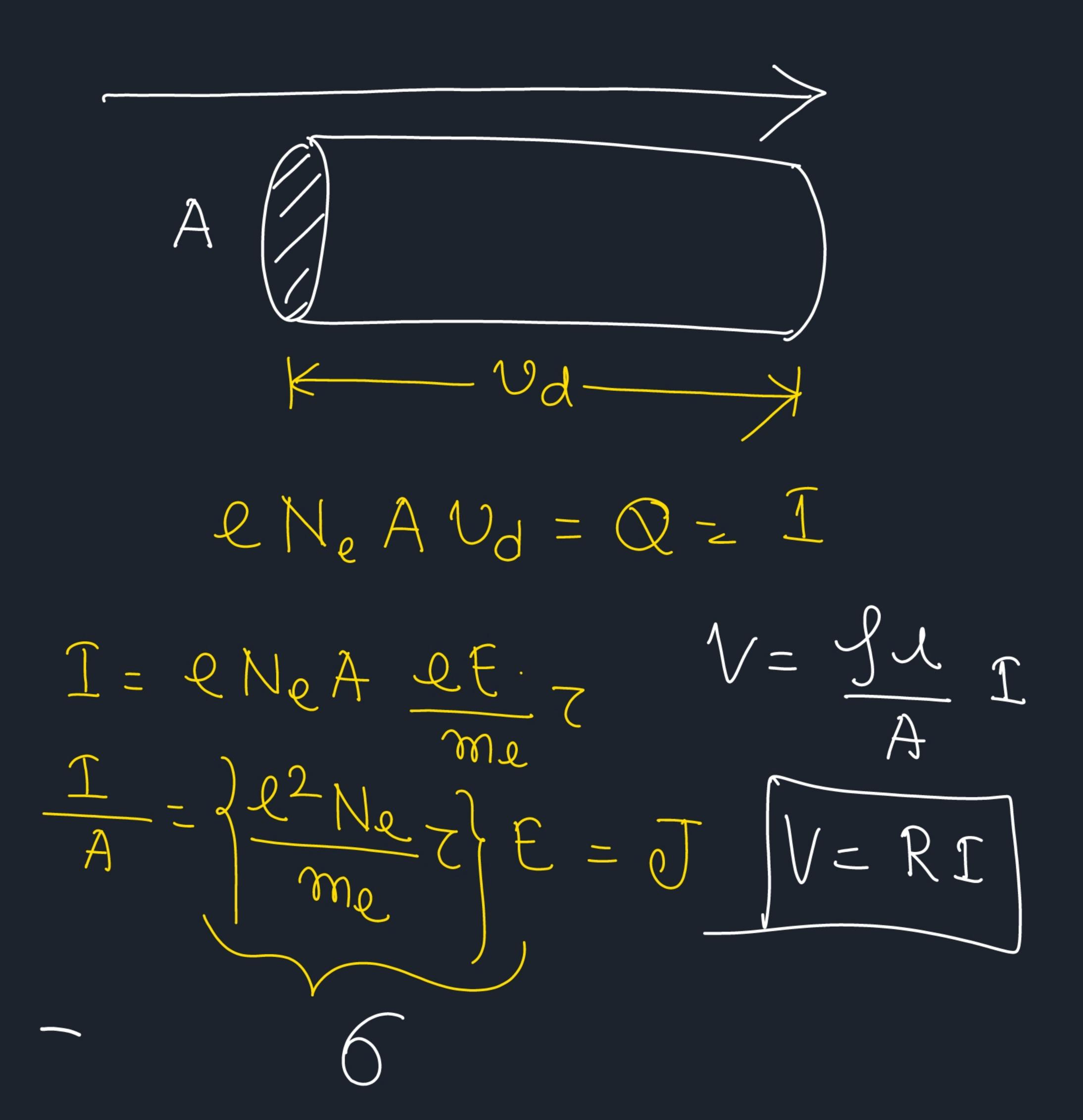
Motion.

Me

OHMS Law.

$$E = -\frac{dV}{dx}$$

$$\frac{1}{A} = 6 \frac{V}{0}$$



## Problem:

Cu mie

194=

$$= \frac{10}{8 \times 10^{28} \times 1.602 \times 10^{19} \times 4 \times 10^{6}} \, \text{m/sec}$$

- 1,95×10-4 m/sec.

0.000 1951

Problem:

Im length 4 Immof Cutube R=0.015 S)

$$R = \int \frac{A}{A}$$

$$R = \frac{RA}{2}$$

$$= \frac{0.015 \times 1 \times 10^{-6}}{1}$$

$$A = \pi \gamma_{ext}^2 - \gamma_{int}^2 = 20.1038 \times 10^{-6} \Omega$$

$$\frac{i(t)}{R_1}$$

$$\frac{R_2}{R_3}$$

$$\frac{R_2}{R_3}$$

$$U(t) = U_{1}(t) + U_{2}(t) + ... + U_{m}(t)$$

$$= l(t) R_{1} + l(t) R_{2} + ... + l(t) R_{m}$$

$$= \left(\sum_{j=1}^{m} R_{j}\right) l(t)$$

$$0_{1}(t): V_{2}(t):...:V_{m}(t)$$

$$= R_{1}: R_{2}:--:R_{m}$$

$$U_{m}(t) = \frac{Rm}{\sum_{i=1}^{m} R_{i}} V(t)$$

$$\int_{J=1}^{\infty} R_{j}$$

$$p_1(t): p_2(t)...p_n(t)$$

$$= R_1: R_2: \dots: R_n$$

$$\frac{p_{m}(t)}{\sum_{j=1}^{m}p_{j}(t)}$$

$$\begin{array}{c|c}
i(t) \\
v(t) R_{1} \\
\downarrow v_{0} \\
\downarrow v_{0} \\
\downarrow v_{1}(t) \\
\downarrow v_{2}(t) \\
\downarrow v_{1}(t) \\
\downarrow v_{2}(t) \\
\downarrow v_{1}(t) \\
\downarrow v_{2}(t) \\
\downarrow v_{2}(t) \\
\downarrow v_{3}(t) \\
= v_{3}(t) \\
\downarrow v_{3}(t) \\
\downarrow v_{3}(t) \\
\downarrow v_{4}(t) \\
\downarrow v_{4}$$

$$i_{j}'(t): i_{2}(t) \dots i_{m}(t)$$

$$= G_{1}: G_{2} \dots : G_{m}$$

$$= G_{m} \quad i_{j}(t)$$

$$= G_{j} \quad j_{j}(t)$$

$$= G_{1}: G_{2} \dots : G_{m}$$

$$= G_{1}: G_{2} \dots : G_{m}$$

$$= G_{m} \quad f_{m}(t)$$

$$= G_{m} \quad f_{m}(t)$$

$$= G_{m} \quad f_{m}(t)$$

