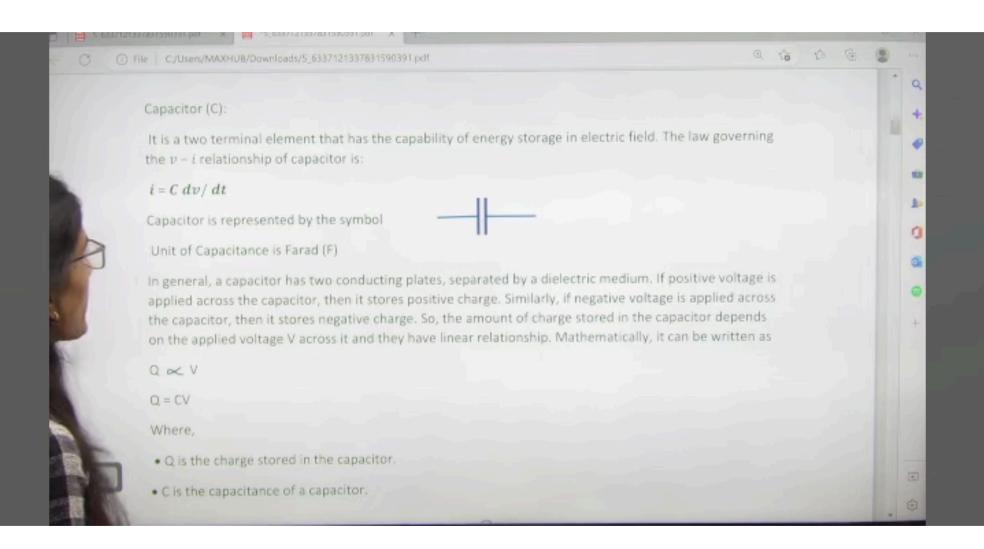
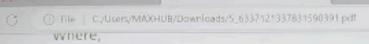


S ACADEMY





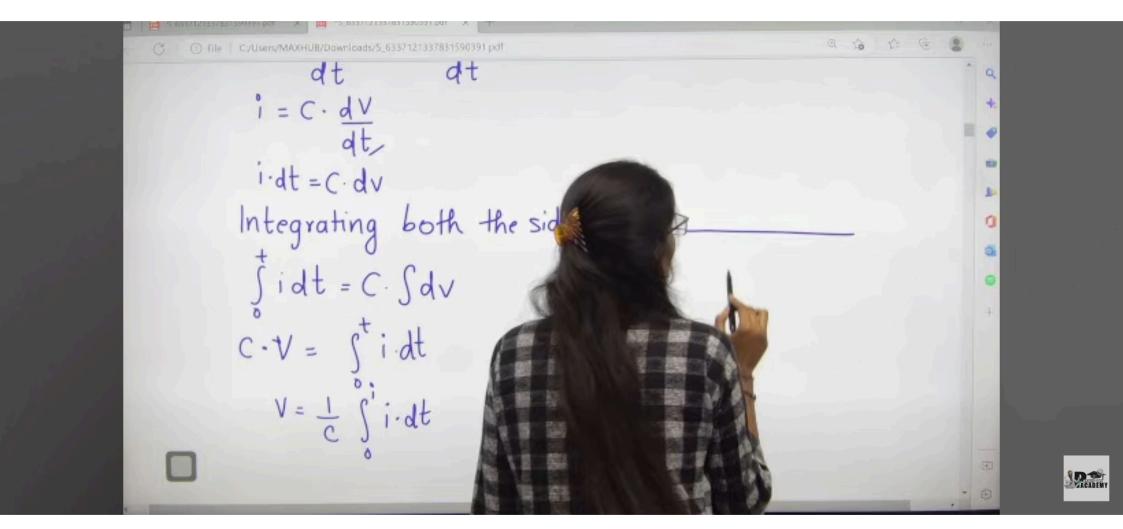
- Q is the charge stored in the capacitor.
- C is the capacitance of a capacitor.

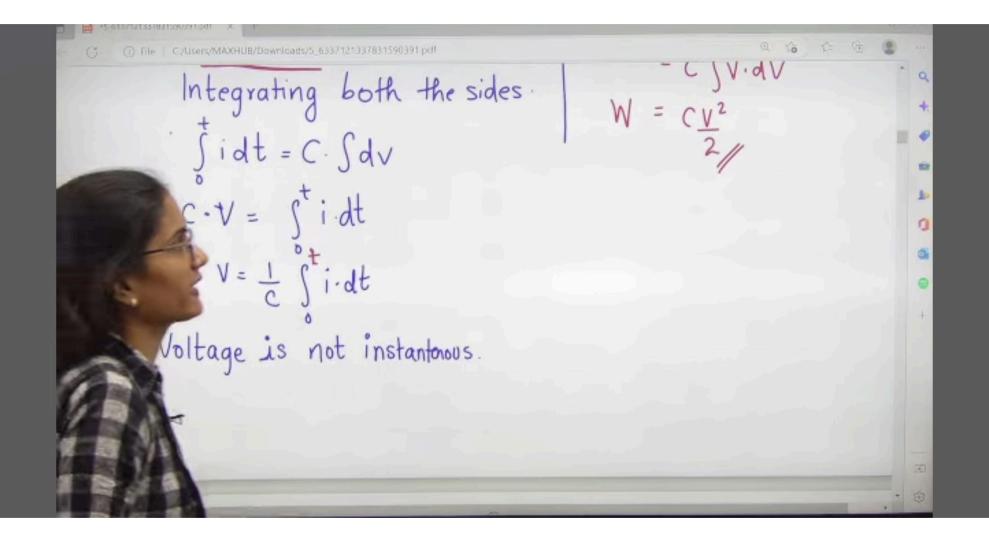
$$i = \frac{dQ}{dt} = \frac{d(cv)}{dt}$$

$$i = c \cdot \frac{dv}{dt}$$

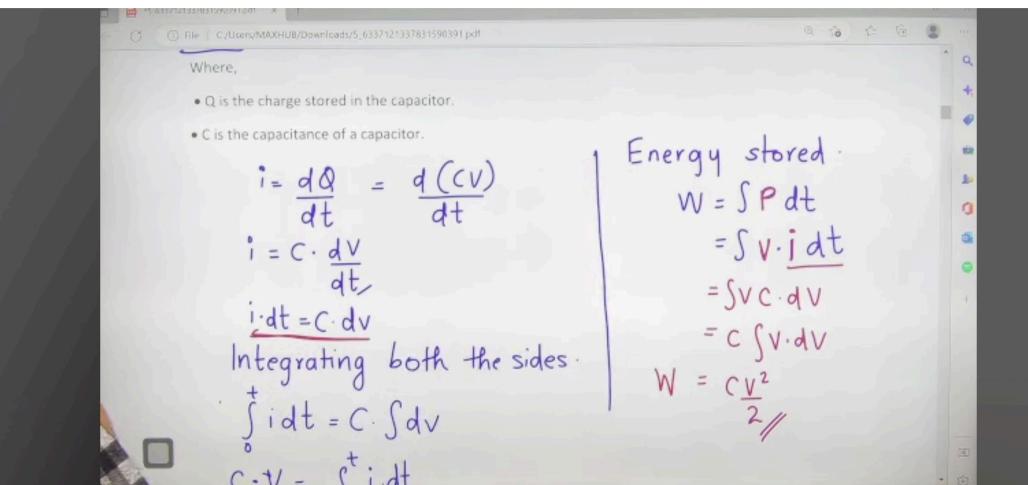
$$i \cdot dt = c \cdot dv$$



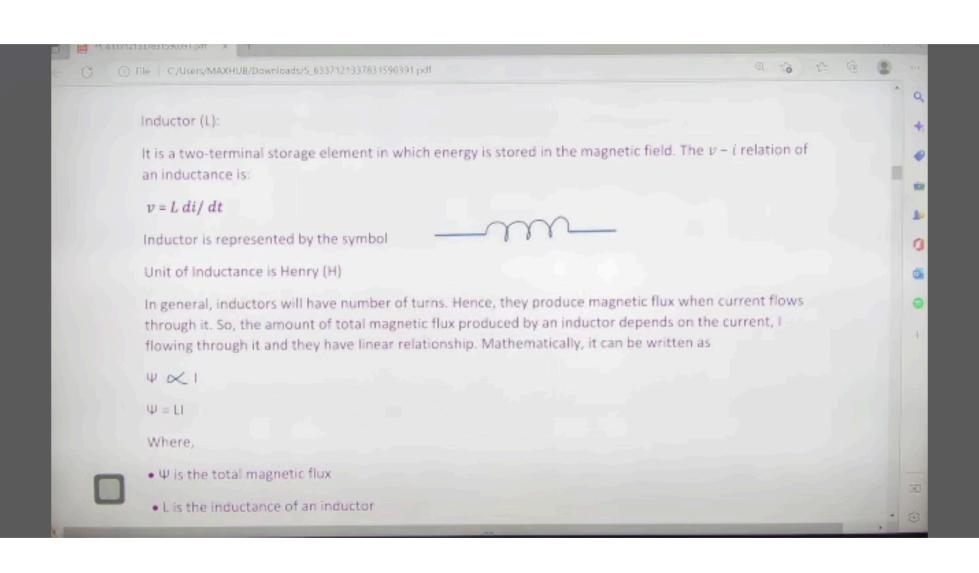


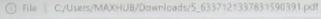












- Ψ is the total magnetic flux
- . L is the inductance of an inductor

V.dt = L.di

Integrating both sides.

o i=15 v.dt

In Capacitaince current is not instantenous To calculate energy stored



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20

0

