

DC transients

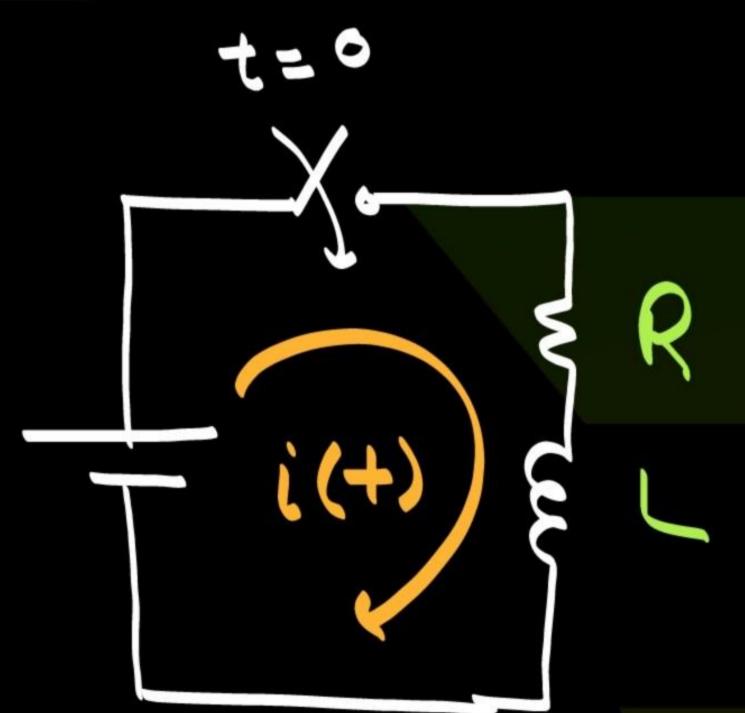
Transients present in any circuit due to change in source magnitude or load element and it Contains energy storing elemen

Energy storing Element : Inductor =

EAD INCLINEDUCATIONAL G

LAKSHFABATCHFOR ALL ELECTRICAL ASSISTANT ENGINEE

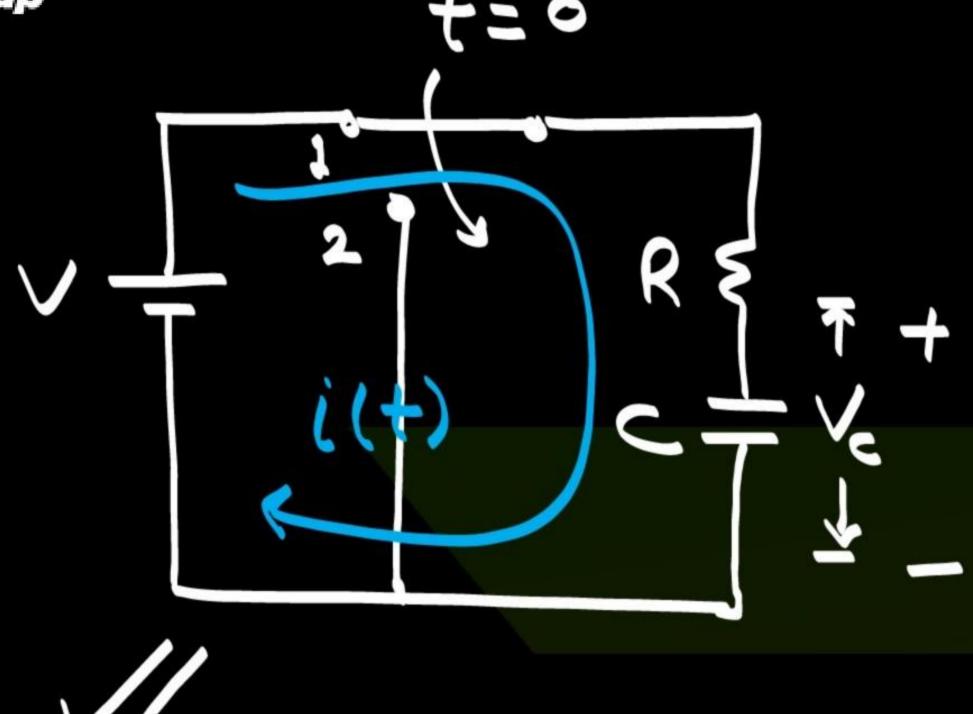












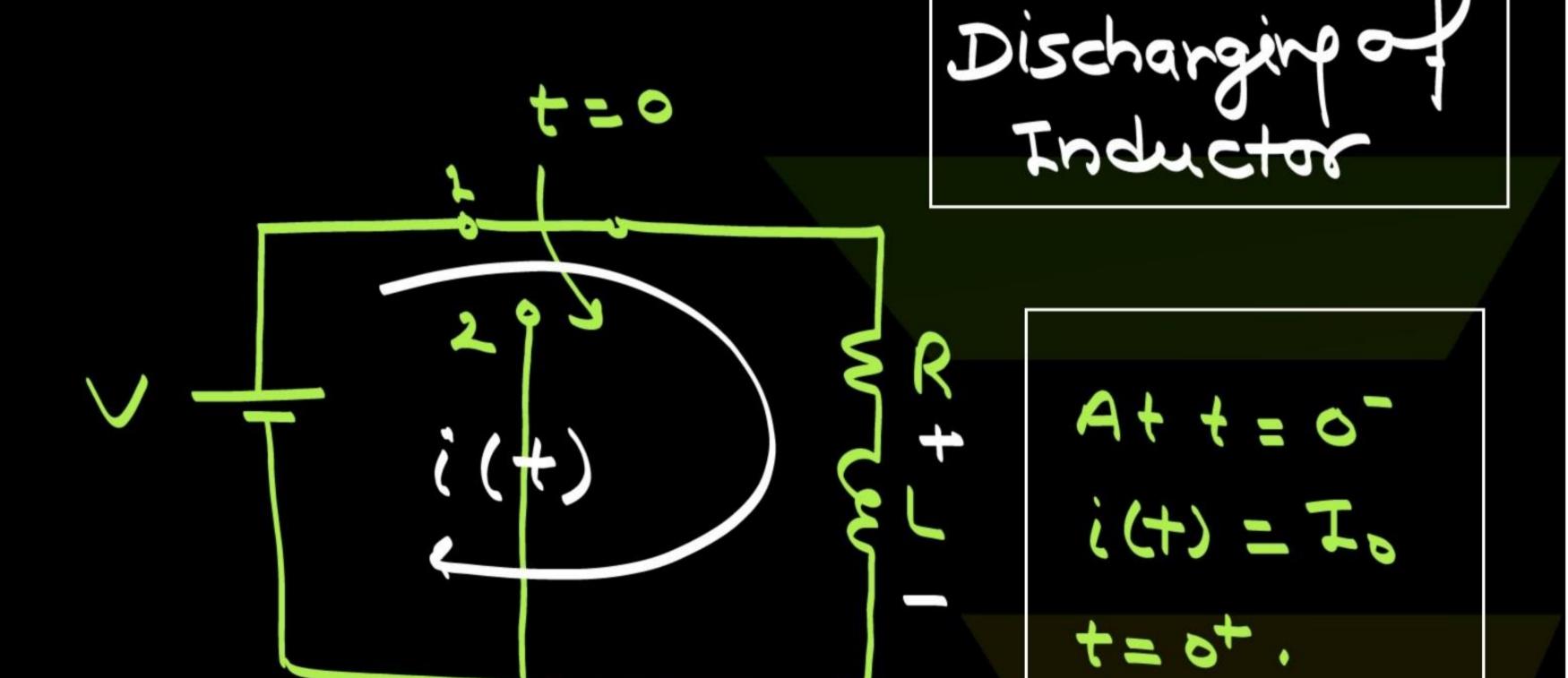


V_c(+) = V

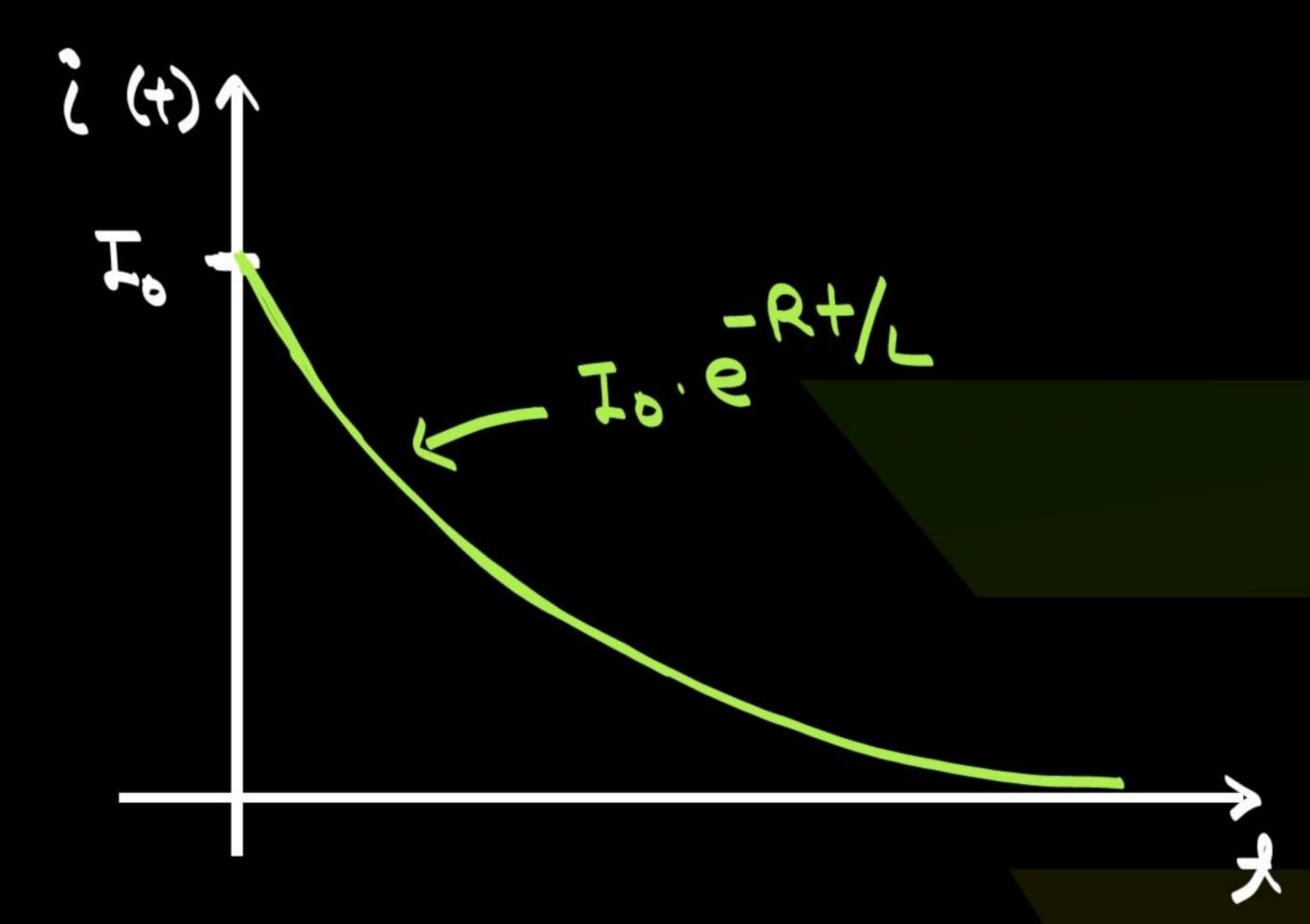


Car-I

Source fre RL Circuit



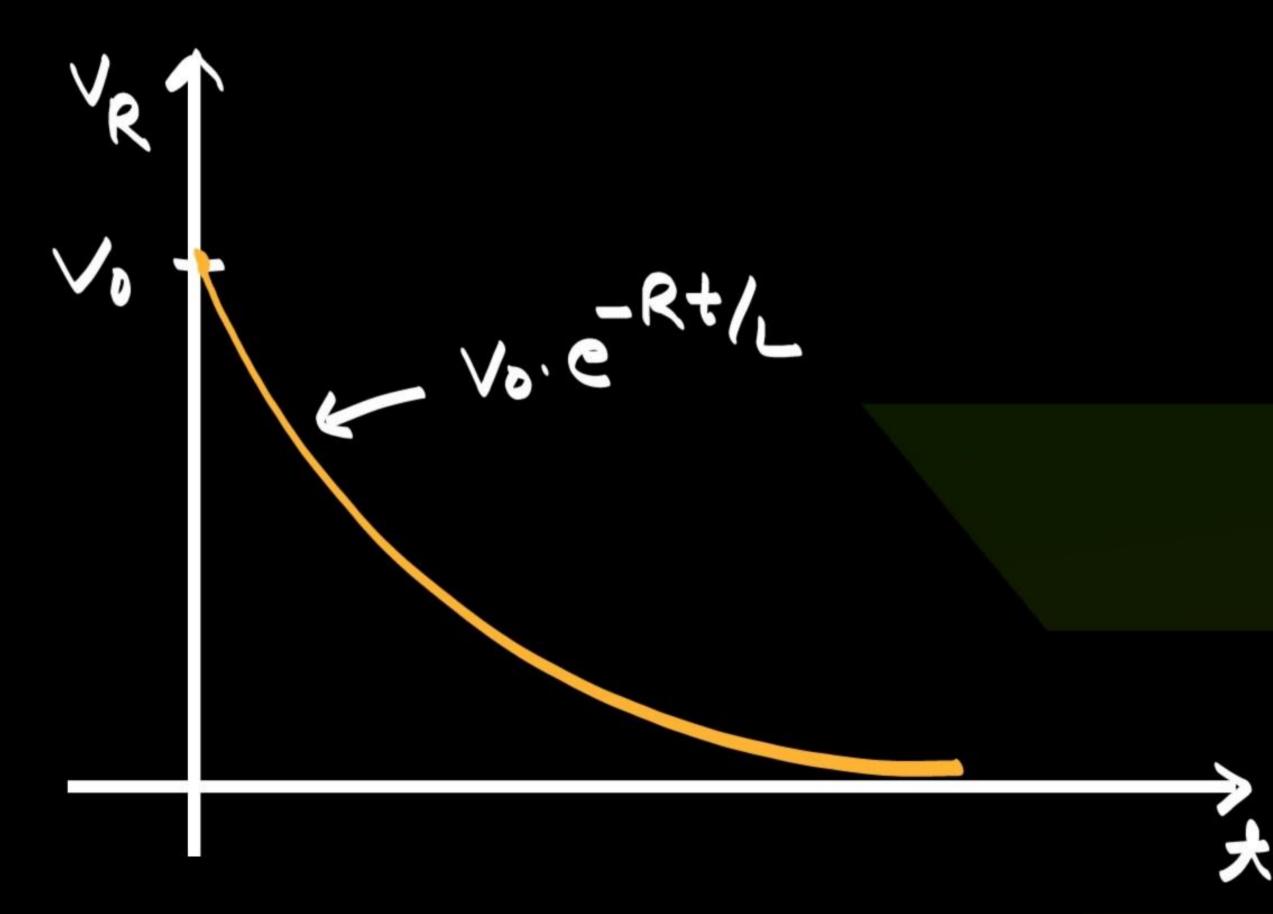




voltage

〜 =









C.F. + transient response +

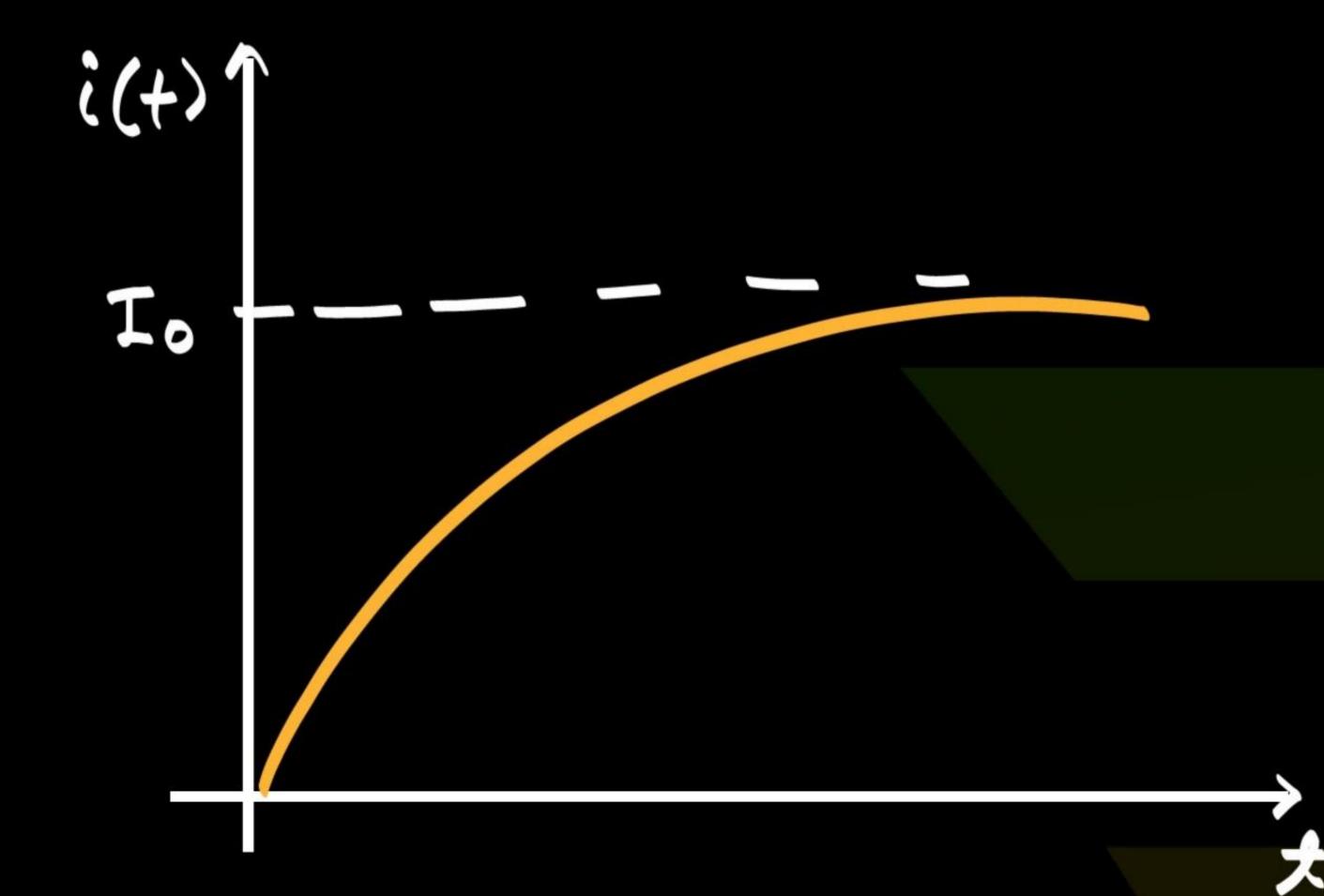
After solving this.

i(+) = A e Rt/L - (-Rt/L -

こくせ) = (+)=

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Voltage a

VR = R

VR = R.I

VR = Vo·

VR1