



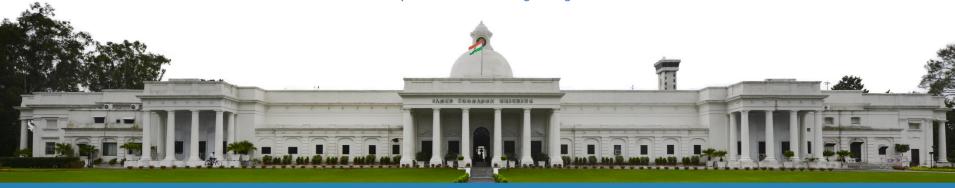


Charging Infrastructure

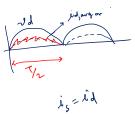
Lecture-12
Single-phase Boost PFC Converter-IV

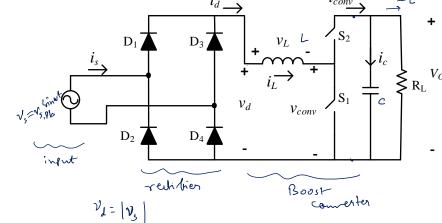
Dr. Apurv Kumar Yadav

Department of Electrical Engineering



Recap













ber Switch S2

(1-deb) 75 7 Szcarduts

whenever s, is on a Vsz has to black Vo = Vsz = 1.4No.

$$I_{rm,sr} = \int_{-R_{1}}^{R_{1}} \left(\left(\frac{1}{s} \right)^{2} \left(\left(1 - d(t) \right) \right)^{2} dt$$

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$$I_{rm,sr} = \int_{-R_{1}}^{R_{1}} \left(\frac{1}{s} \right)^{2} \left(\frac{1}{s} \right)^{2} \left(\frac{1}{s} - \left(\frac{1 - N_{s,pl} \sin ut}{N_{0}} \right) \right)^{2} dt$$

$$I_{rm,sr} = \int_{-R_{1}}^{R_{1}} \left(\frac{1}{s} \right)^{2} \left(\frac{1}{s} \right)^{2} \left(\frac{1}{s} + \frac{1}{s} \right)^{2} dt$$

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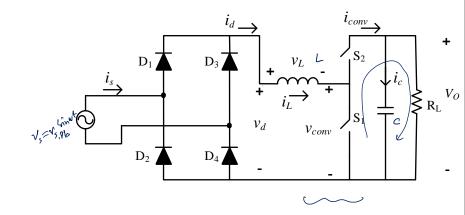
$$I_{rm,sr} = \int_{-R_{1}}^{R_{1}} \left(\frac{1}{s} + \frac{1}{s} \right)^{2} dt$$

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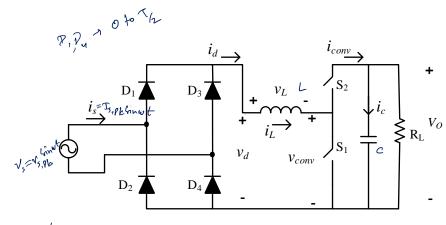
$$I_{rm,sr} = \int_{-R_{1}}^{R_{1}} \left(\frac{1}{s} + \frac$$







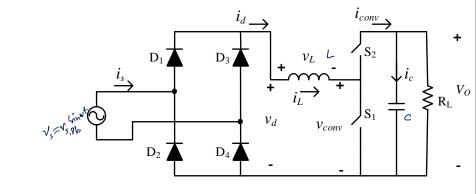
for diobes



Vd = (Msiphe Simut)

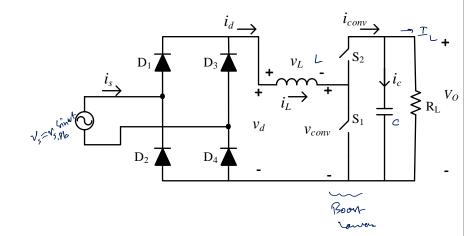


Rms whent of Caponitor & Induter





for Carantor







Thank You





