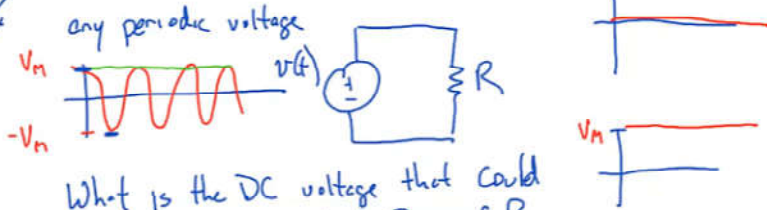


A. Instantaneous Power

1. $p(t) = i(t)v(t)$
2. if sinusoid then $p(t)$ is
 - 2x frequency of $i(t), v(t)$
 - DC part
$$\frac{1}{2}(\underline{DC} + \cos(2f 2\pi t + \theta))$$
3. In general $p(t) \neq 0$ for R, C, L <

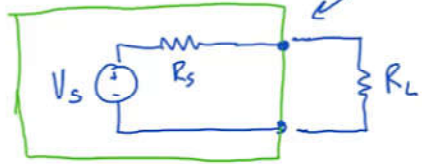
RMS Voltage, RMS Current

What?



Max. Average Power Transfer

Recall Circuits I



Ex Max Power Transfer

Find Z_L to receives the max power
What is this max power?

