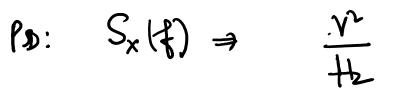


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$$VSD = \int \sqrt{S_{x}(f)} = \frac{V}{VH_{z}} \qquad \text{(adams fracture})$$

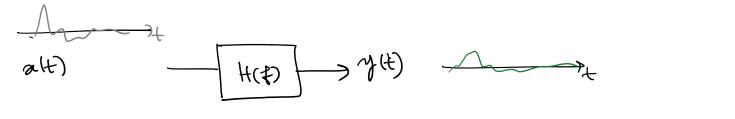
$$Total noix power = \int S_{x}(f) df$$

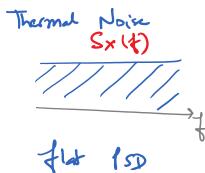
$$f = -\infty$$

$$Vms noix = \sqrt{(e)} = -\int S_{x}(f) df$$

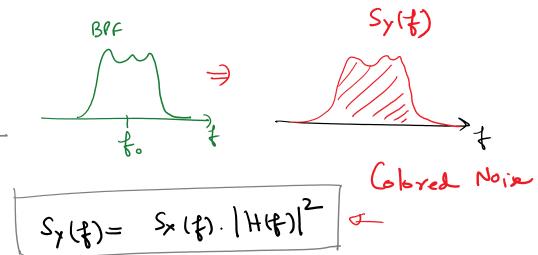
$$= \int VSD(f) df$$

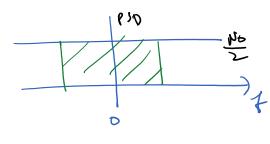
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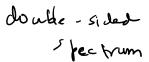


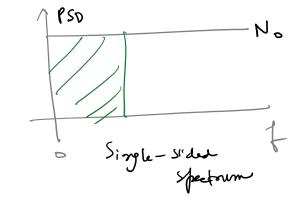


White Noise









(borrelated and Uncorrelated Noise Sources

$$T_{UARDY, September 20, 2018 1005 M}$$
 and Uncorrelated Noise Sources
 $T_{UARDY, September 20, 2018 1005 M}$ and Source analysis, we need to add the effect of
Second Dource of noise.
 f_{V} deterministic signeds \Rightarrow superfacilities
 f_{V} rendom noise \Rightarrow we ded with the average noise
 f_{V} rendom noise \Rightarrow we ded with the average noise
 f_{V} rendom noise \Rightarrow we ded with the average noise
 f_{V} rendom noise \Rightarrow we ded with the average noise
 f_{V} rendom noise \Rightarrow we ded with the average noise
 f_{V} rendom noise \Rightarrow we ded with the average noise
 f_{V} rendom noise \Rightarrow we ded with the average noise
 f_{V} rendom $f_{V} = \frac{1}{T_{V}} = \frac{1}{T_{V}} \left[(x_{1}(t) + x_{2}(t))^{2} st \right]$
 $f_{V} = \frac{1}{T_{V}} = \frac{1}{T_{V}} \left[(x_{1}(t) + x_{2}(t))^{2} st \right]$
 $f_{V} = \frac{1}{T_{V}} = \frac{1}{T_{V}} \left[x_{1}(t) + x_{2}(t) \right]$
 $f_{V} = \frac{1}{T_{V}} \left[$

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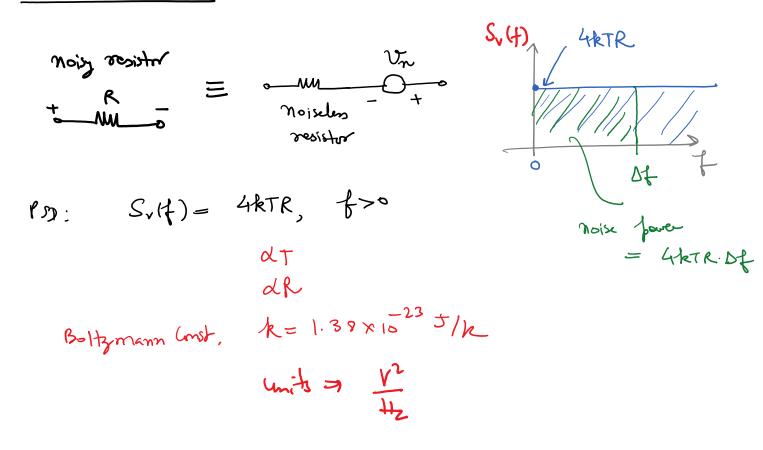
for independent devices
$$R_1 \notin R_2$$

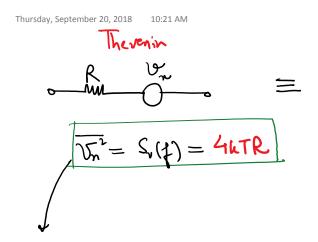
noise are uncorrelated $V_1 \oint \int V_2$
 $f_1 \chi_1 \chi_2 dt = 0$
then $Pav = Pav_1 + Pav_2$
 $r Superposition holds for the arg. power of uncorrelated
Signals
Li But not four for correlated Signals.$

.

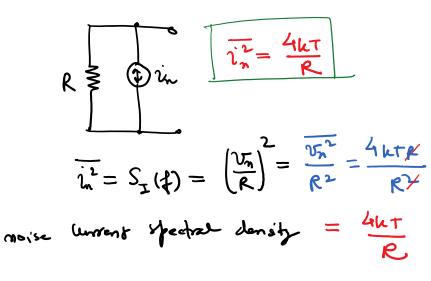
Thursday, September 20, 2018 10:16 AM

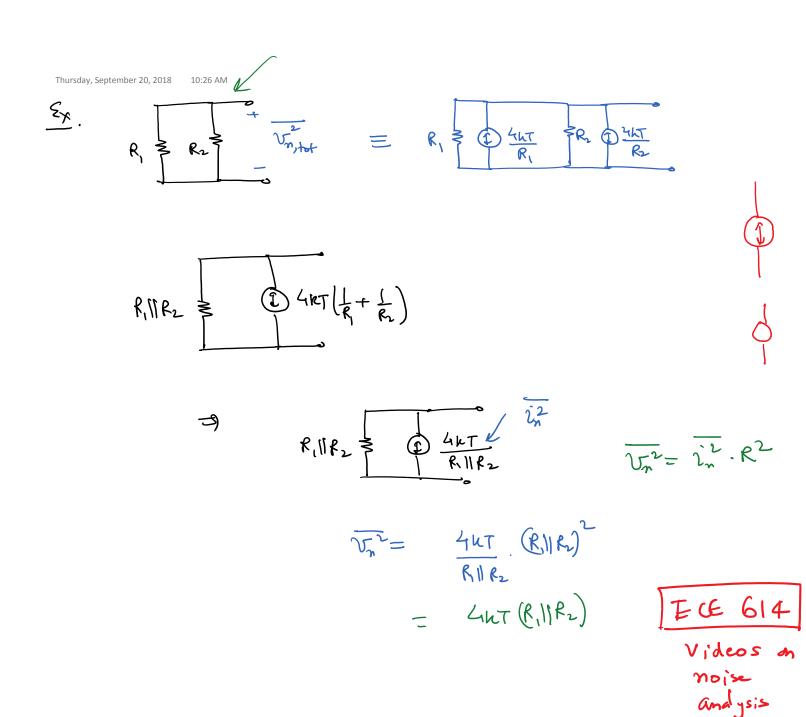
Thermal Noise

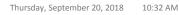


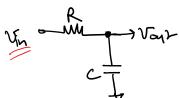


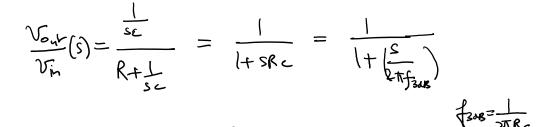
meen square noise fer HZ Norton

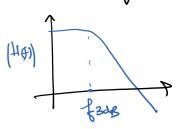


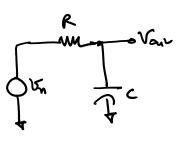


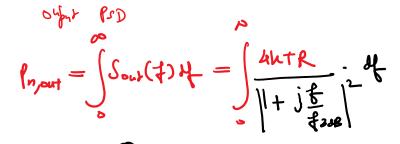


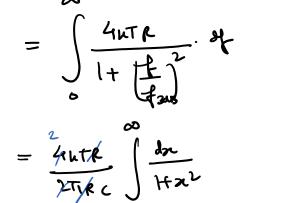






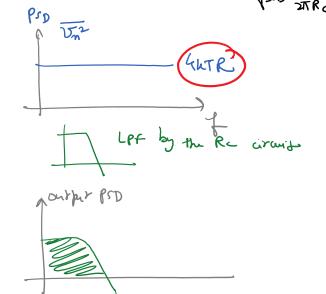






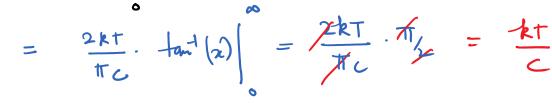
Pr, out = ht

Vm,our, rms = J Let



$$x = \frac{f}{f_{2AB}} = 2 \text{Tiffc}$$

$$dx = df (2 \text{Tifc})$$



$$R^{A} \Rightarrow \overline{V_{n}^{2}} = 4 hTR P$$

$$f_{3}a_{18} = \frac{1}{2TTRC} +$$

