Physics 104 Exam 2 Equations

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\begin{gathered}
V=C R \\
\frac{1}{R}=\frac{1}{R_{1}}+\frac{1}{R_{2}} \\
R=R_{1}+R_{2} \\
R=\frac{R_{1} R_{2}}{R_{1}+R_{2}} \\
f_{c}=\frac{1}{2 \pi R C} \\
f_{c}=\frac{R}{2 \pi L} \\
\text { Power }=C V=C^{2} R=\frac{V^{2}}{R} \\
G=\frac{R_{f}}{R_{\text {input }}} \\
\text { Difference in level }=(10 d B) \log \frac{W_{2}}{W_{1}} \\
\text { Power }=V_{1} C_{1}=V_{2} C_{2} \\
\frac{v_{1}}{N_{1}}=\frac{v_{2}}{N_{2}} \\
\text { S/N }=(10 \mathrm{~dB}) \log \left(\frac{\left.P_{\text {signal }}^{P_{\text {noise }}}\right)}{}\right.
\end{gathered}
$$

