Exam Review

1/3 First Exam

1/3 Second Exam

1/3 New stuff - Chapter 9 - Power Factor correction

Norton Equation

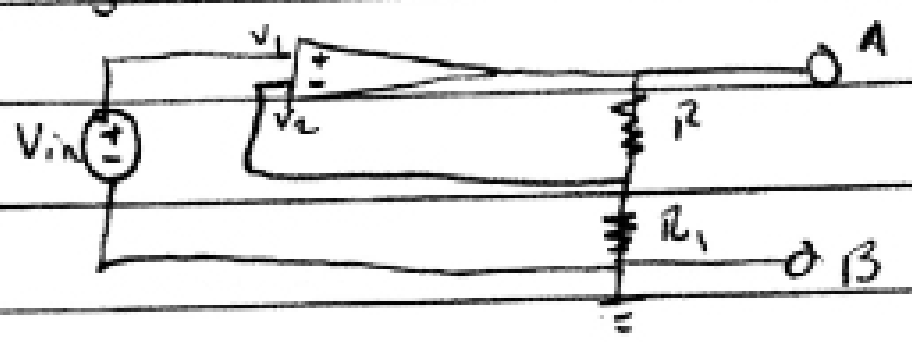
Delta to Y equation will be given

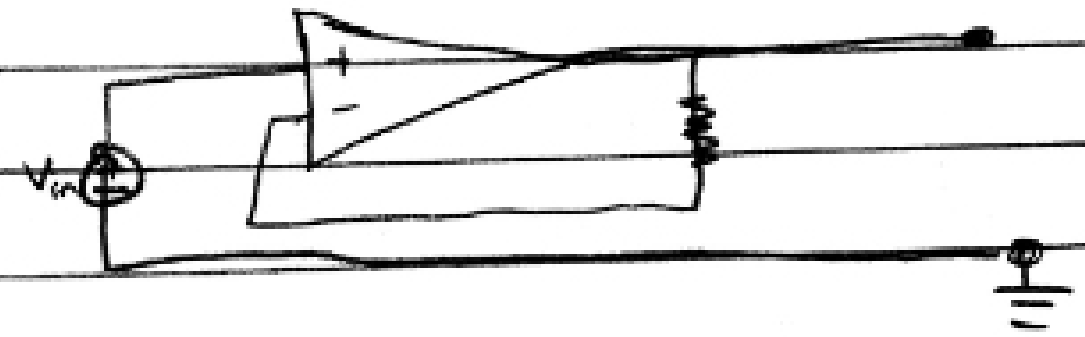
Op - Amps

$R_L = R_{th}$

$Z_L = Z_{th}^*$

Non inverting




impedance $Y = \frac{1}{Z}$ $\quad Z = |Z| \angle \theta_Z$ $\quad R + jX$

$Y = |Y| \angle \theta_Y$

$= G + jB$ ← susptance

↑ conductance

$G + jB = \frac{1}{R+jX} \cdot \frac{R-jX}{R-jX} = \frac{R-jX}{R^2+X^2} = \frac{R}{R^2+X^2} - j\frac{X}{R^2+X^2}$