für sinusförmige Wechselspannungen

$$U_{eff} = \frac{U_{SS}}{2\sqrt{2}} \approx \frac{U_{SS}}{2{,}828}$$

$$U_{SS} = U_{eff} \cdot 2\sqrt{2} \approx U_{eff} \cdot 2{,}828$$

$U_{eff}$ = Effektivwert
$U_{SS}$ = Spitze – Spitze

Leistung und Widerstand

$$P = U \cdot I \qquad I = \frac{P}{U} \qquad U = \frac{P}{I}$$

$$R = \frac{U}{I} \qquad I = \frac{U}{R} \qquad U = R \cdot I$$

$$P = \frac{U^2}{R} \qquad U = \sqrt{P \cdot R} \qquad R = \frac{U^2}{P}$$

$$P = I^2 \cdot R \qquad I = \sqrt{\frac{P}{R}} \qquad R = \frac{P}{I^2}$$