

$$\frac{Ust^2}{R} = \frac{Unow^2}{R}$$

$$\frac{n \times \pi}{80}$$

$$\frac{Ust^2}{R} = \int_{\frac{n \times \pi}{80}}^{\pi} \frac{311^2 \times \sin^2(x)}{R} dx = \frac{311^2}{R} \int_{\frac{n \times \pi}{80}}^{\pi} \sin^2(x) dx$$

$$\frac{Unow^2}{R} = \int_{\frac{n_now \times \pi}{80}}^{\pi} \frac{Upeak^2 \times \sin^2(x)}{R} dx = \frac{Upeak^2}{R} \int_{\frac{n_now \times \pi}{80}}^{\pi} \sin^2(x) dx$$

$$\frac{311^2}{R} \int_{\frac{n \times \pi}{80}}^{\pi} \sin^2(x) dx = \frac{Upeak^2}{R} \int_{\frac{n_now \times \pi}{80}}^{\pi} \sin^2(x) dx$$

$$311 \sqrt{\int_{\frac{n \times \pi}{80}}^{\pi} \sin^2(x) dx} = Upeak \sqrt{\int_{\frac{n_now \times \pi}{80}}^{\pi} \sin^2(x) dx}$$

$$B0 \sqrt{\int_{\frac{n \times \pi}{80}}^{\pi} \sin^2(x) dx} = Uad_now \sqrt{\int_{\frac{n_now \times \pi}{80}}^{\pi} \sin^2(x) dx}$$

$$\sqrt{\int_0^{\pi} \sin^2(x) dx}$$

$$\sqrt{\int_{\frac{1 \times \pi}{80}}^{\pi} \sin^2(x) dx}$$