$$w_0 = 2\pi f$$
 $w_0 = \sqrt{\frac{820}{11}}$

$$A = \frac{13,09}{\sqrt{26639,83 + 15450,49}}$$

$$A = \frac{13,09}{205,16} = 0,0638 \text{ m}$$

$$\begin{aligned}
Q &= \text{Anetg}\left(\frac{2749}{102-1092}\right) \\
&= \text{Anetg}\left(\frac{2.5,5.11,3}{17,1^2-11,3^2}\right) \\
&= \text{Anetg}\left(\frac{124,3}{164,32}\right) = \text{Anetg}\left(0,7546\right) \\
Q &= 0,646
\end{aligned}$$

$$(b=) WR = \sqrt{Wo^{2}-2\xi^{2}}$$

$$WR = \sqrt{(7.1)^{2}-2.8.5)^{2}}$$

$$WR = \sqrt{292.41-60.5} = \sqrt{231.91}$$

$$WR = 15.2 \text{ nod } 10$$

$$A = \frac{14.4}{1.1\sqrt{(3.1)^2 - 15.2^2 + 4.5.5^2.(15.2)^2}} = \frac{13.09}{178.1}$$

$$A = 0.0735 \text{ m}$$