Have,
$$N = 10/I = \frac{I}{0.5}$$
 $Q = \frac{100I}{R} = 2\pi \times 75 \times 9$
 $= 84.8$

Let f , and f_2 be frequences at which consumt falls to half its max value at vero nance frequency.

 $10/y_1 = \frac{1}{10} = \frac{13}{00}$

Out $\frac{15}{15} = \frac{13}{84.4}$

Also $\frac{1}{15} = \frac{13}{15} = \frac{13}{84.4}$

Also $\frac{1}{15} = \frac{13}{15} = \frac{13}{84.4}$

Also,
$$\frac{1}{15} = \frac{1}{75} = \frac{1}{84.4}$$

Out $\frac{1}{72} = \frac{1}{15} = \frac{1}{84.4}$

Out $\frac{1}{72} = \frac{1}{15} = \frac{1}{15} = \frac{1}{15}$

unher I = 0.5 Amp is 75.75 Hz.

Ragini Stauma

Detune factor

$$\chi_{c} = \frac{1}{2\pi} = \frac{1}{2 \times \pi \times 75.75}$$

$$= \frac{1}{2 \times 3.14 \times 75.75} = 2.1021 \times 10^{3} \text{ s.}$$



$$U_2(4) = (120 \frac{1}{3}(4) + Mali(4))$$

$$\frac{dt}{dt}$$

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$$\begin{array}{rcl}
& (20)(-1) \cdot 1^{-\frac{1}{2}} + 10(H)(-1) \cdot 1^{-\frac{1}{2}} \\
& \text{fulling values} \\
& (20)(-1) \cdot 1^{-\frac{1}{2}} + 10(2)(-1) \cdot 1^{-\frac{1}{2}} \\
& (20)(-1) \cdot 1^{-\frac{1}{2}} + 10(2)(-1) \cdot 1^{-\frac{1}{2}} \\
& - 90 \cdot 1^{-\frac{1}{2}} + 20 \cdot 1^{-\frac{1}{2}} \\
& = 0 \cdot 25 + 1 \\
& = 0 \cdot 25 + 1 \\
& = 2 \cdot 45 + 1 \cdot 24 \\
& = 2 \cdot 45 + 1 \cdot 24
\end{array}$$