

Frequency, Time and Phase Relationships

By S.E. Van Bramer 1/15/98

Frequency of Signal $f := 10 \cdot \text{Hz}$

Phase of Signal $\phi := 45 \cdot \text{deg}$

Radial Frequency $\omega := 2 \cdot \pi \cdot f$ $\omega = 62.832 \cdot \text{sec}^{-1}$

$$F(t) := \sin(2 \cdot \pi \cdot f \cdot t + \phi)$$

$$t := 0 \cdot \text{sec}, \frac{1}{20 \cdot f} .. \frac{10}{f}$$

