

Deterministic and probabilistic signals Causal and non-causal Even and Odd signals Continuous or Discrete time signals

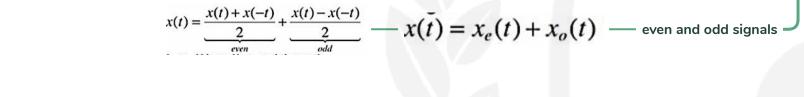
Analog or Digital signals

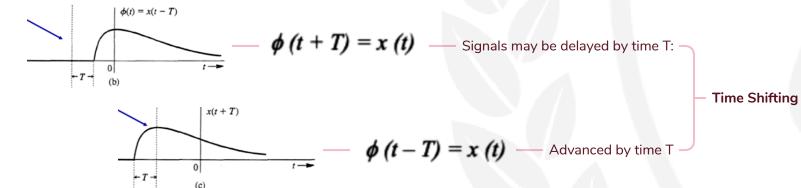
Periodic or Aperiodic signals

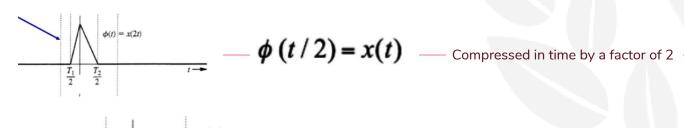
Energy and power signals

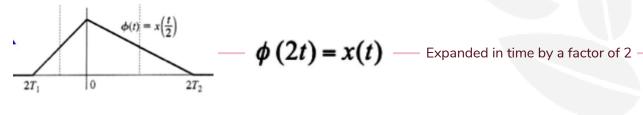
Time Scalling

$$T = \frac{1}{f} = \frac{2\pi}{\omega} - x(t) = x(t + T_0) \qquad \text{for all } t - \text{Signal is periodic if} - \text{Signals Classification}$$



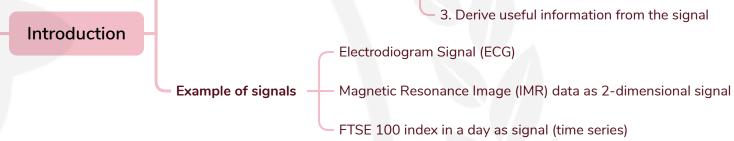




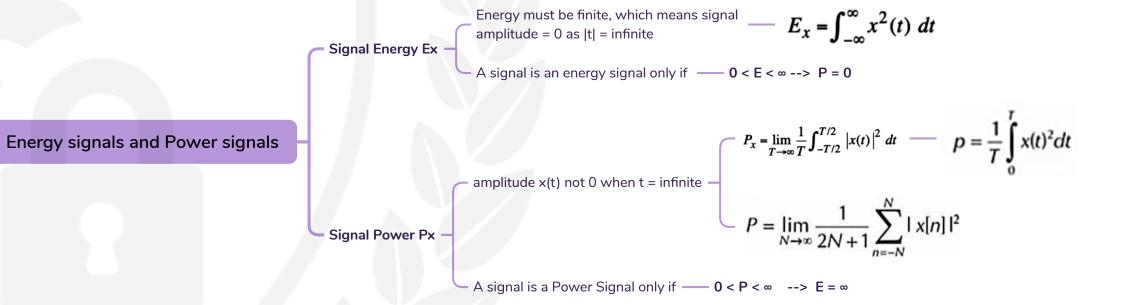








why is signal processing important



1. To reduce in an electrical signals

- 2. To make desired changes to the signal



Useful Segnal Operatioins