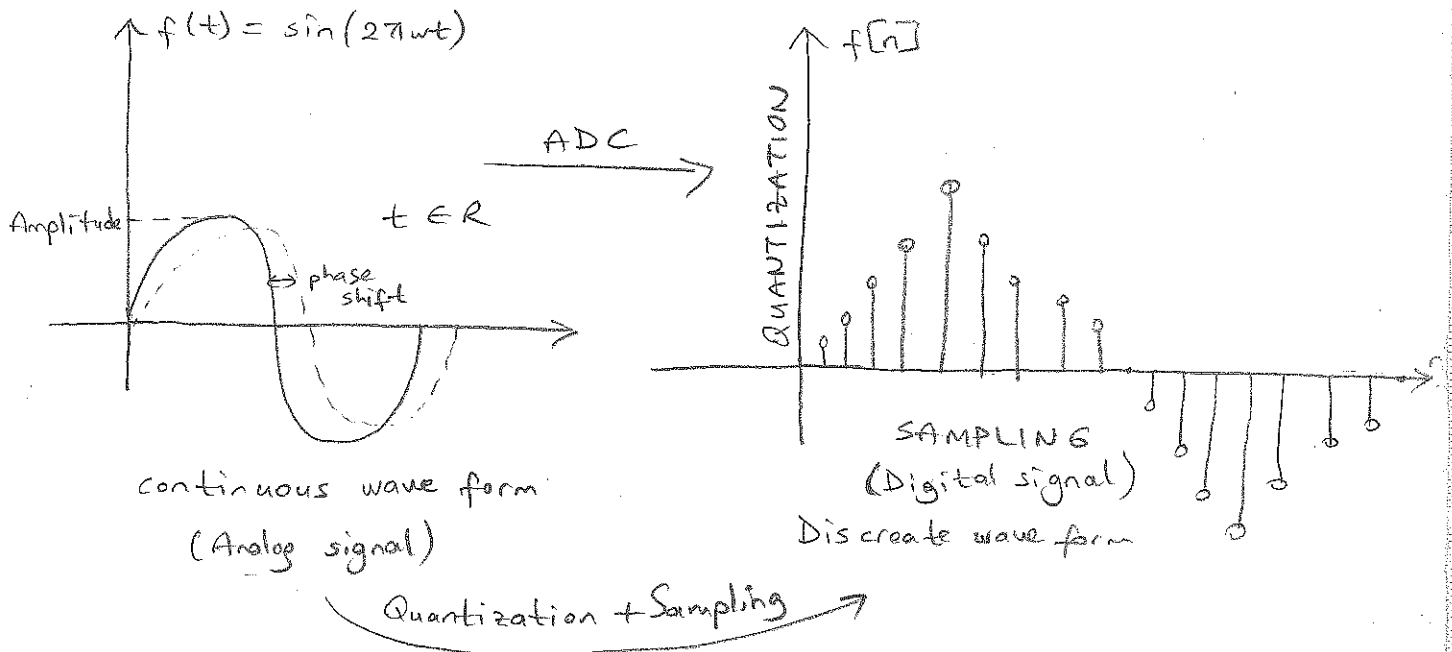


Signals and Systems

Definition

Signal is a physical variation that carries information

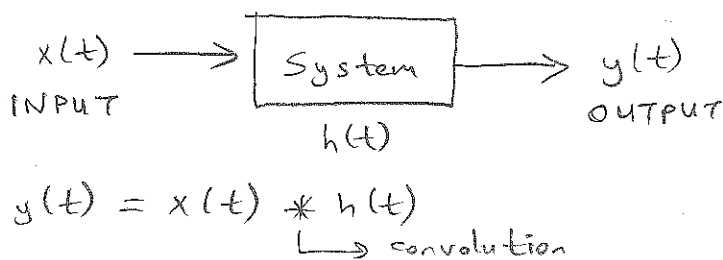


Signal is shaped by Amplitude, phase, frequency

$$f = \frac{1}{T}$$

System

System is a HW and SW that takes an input and generates an output using the input.



for continuous time
 $f(t^-) = f(t^+)$
 for discrete time
 $f[n]$ may not be equal
 to $f[n+1]$

