Signal

A function of one or more independent verible that represents some physical quantity.

The independent visible could be time, position, or southing else.

system

take in one or wore signal to produce a ven signal to produce some desired behaviour.

Countinous time signal

- when the interpendent virible is countinos
- interpendent unible enclosed in ()



discrete time signal

- when the independent wible is discrete
- indepent variable anclosed in II.



qualify work of the signal using power or energy.

For example the purpose and every disspected in a resistant $sign \rightarrow \rho(t) = M(t) M(t) = \frac{(M(t))^2}{R}$

sign-1 =
$$\int_{t_1}^{t_2} \rho(t) dt$$

Signal can also have integrated unite that takes on complex counter.