Paisic DSP

Signal as function Signals des crubes hou physical quentity varies over time and for space. Mathematically: a function of one or more independent variable » Continuous and disorte Indep Vbls contrinous; take any values e divorte in limited set of values (ty mically entgors) 5 mpling

Of ferr we obtain a describe time signal x [n] by sampling a continuous fine signal x (+)  $2[n]-x(t)|_{t=nT}=x(nT)$ Sample at n. T HITT + Displaying Signals Signals stored in a computer must Gon mon to connect samples with Arai ght lines, visual clarity with large number Verio Maily

a signal that repeat a partern is said to be periodic. N-4, 8, 12. Tp = 2, 4, 6 ... Sec Mathematically 26 (t+to): x(+) for all t 2[n+N]: 2[n] for all n

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