Sampling and Quantization

In real world, a physical signal, e.g. temperature, pressure, flow rate, density, is analog by nature and can be described by a function in continuous time. To process the analog signal digitally, an entire procedure of sampling, quantization and coding is needed. This is cumulatively defined as analog-to-digital (A/D) conversion.

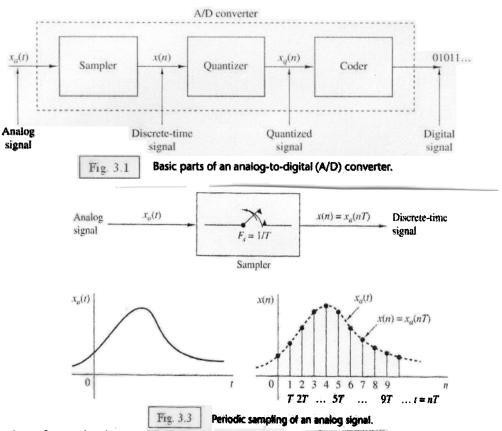


Illustration of quantization:

