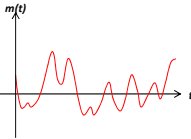


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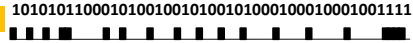
All natural signals are analog.

Single valued continuous function of time.





Almost all communication systems today are digital.

Transmitter 1010101100010100100100100100010001000100011111 **Receiver**



Original digital signal can be reconstructed/regenerated from the received signal distorted by noise.

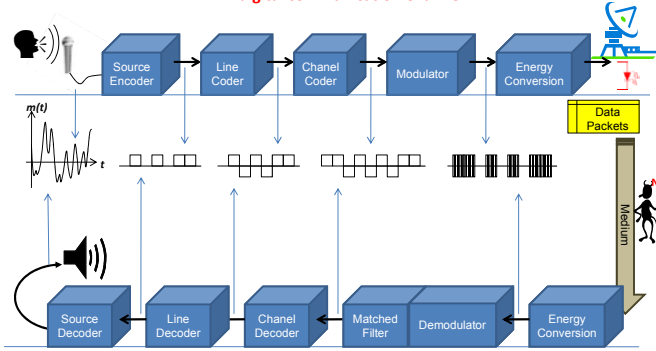
The same is not possible in case of analog signal.

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A digital communication Channel



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Next to Digital Communication

- Discrete Signal Processing
 - Error Control Coding
- Mobile Communication
- Optical Communication
- Satellite Communication
- Computer Communication

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