# Anti-aliasing Prefilter (6B)

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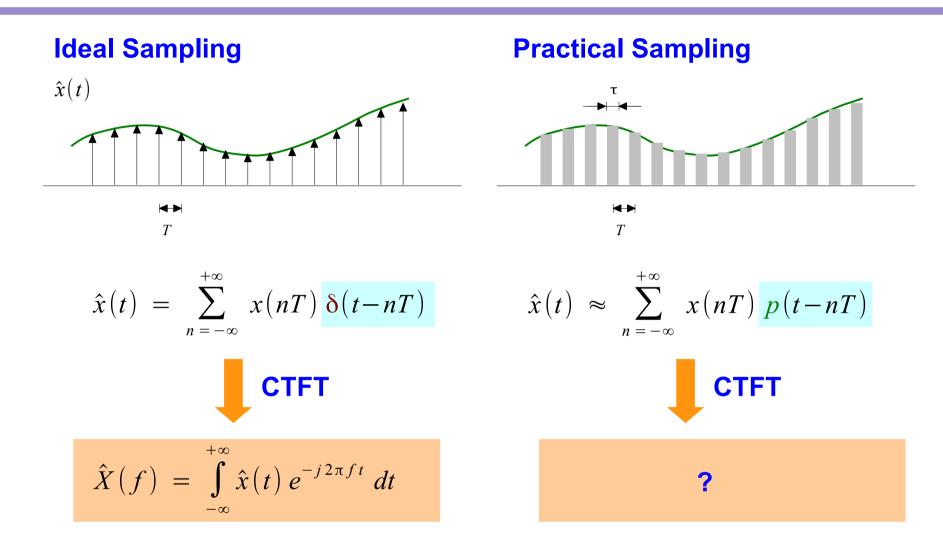
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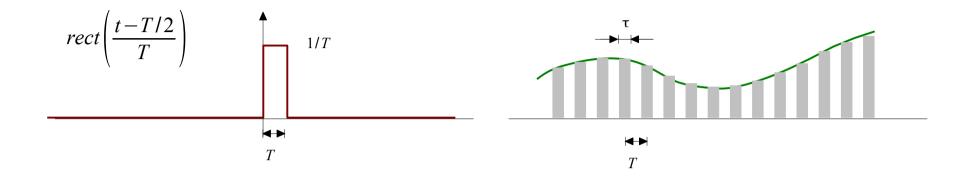
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# Sampler

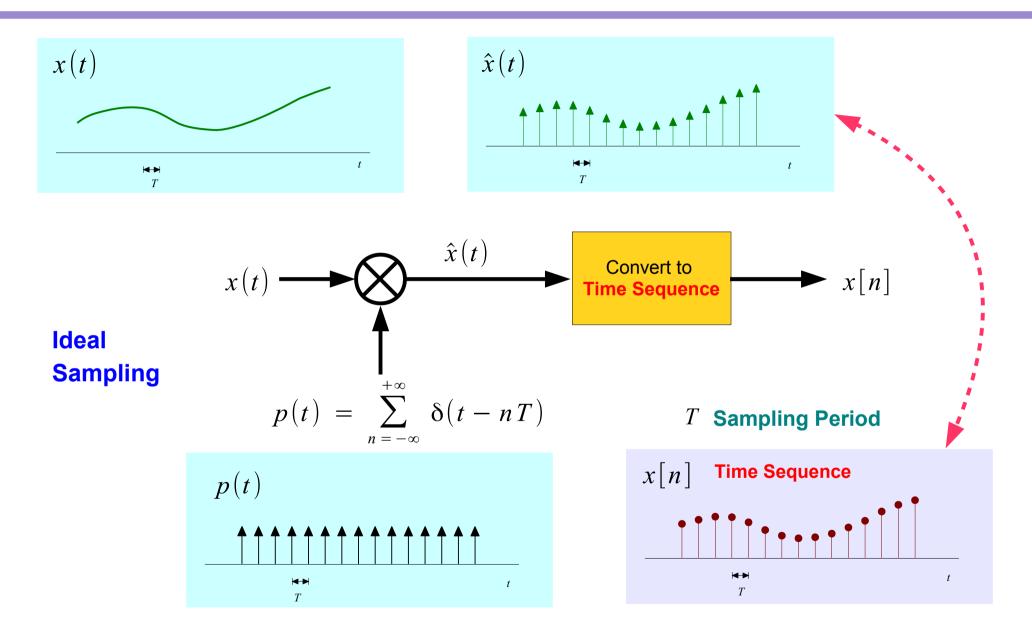


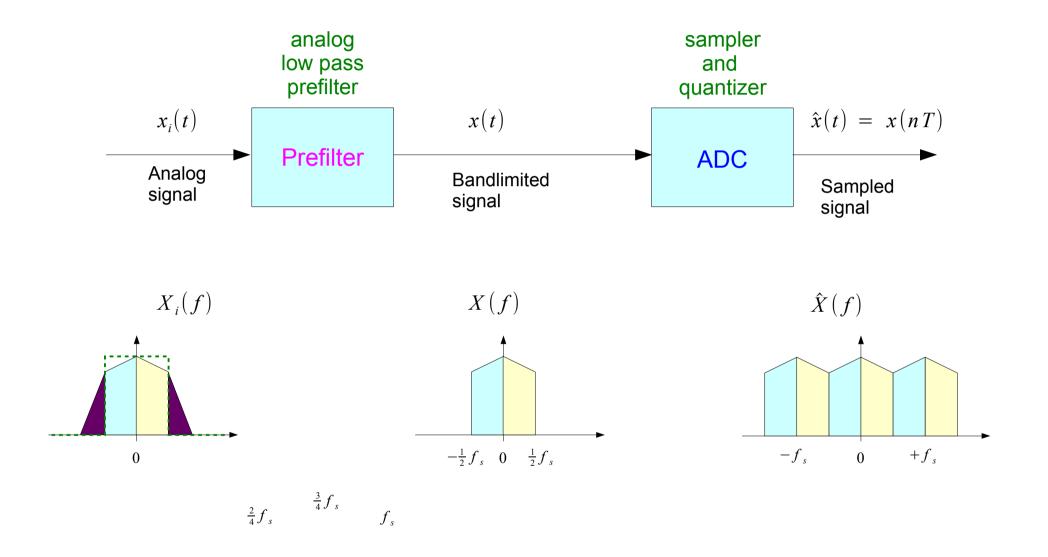
## Zero Order Hold (ZOH)



$$x_{ZOH}(t) = \sum_{n=-\infty}^{+\infty} x[n] \cdot rect\left(\frac{t-T/2-nT}{T}\right)$$

## **Time Sequence**





6

#### References

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- [6] S.J. Orfanidis, Introduction to Signal Processing www.ece.rutgers.edu/~orfanidi/intro2sp