

# 6.003: Signals and Systems

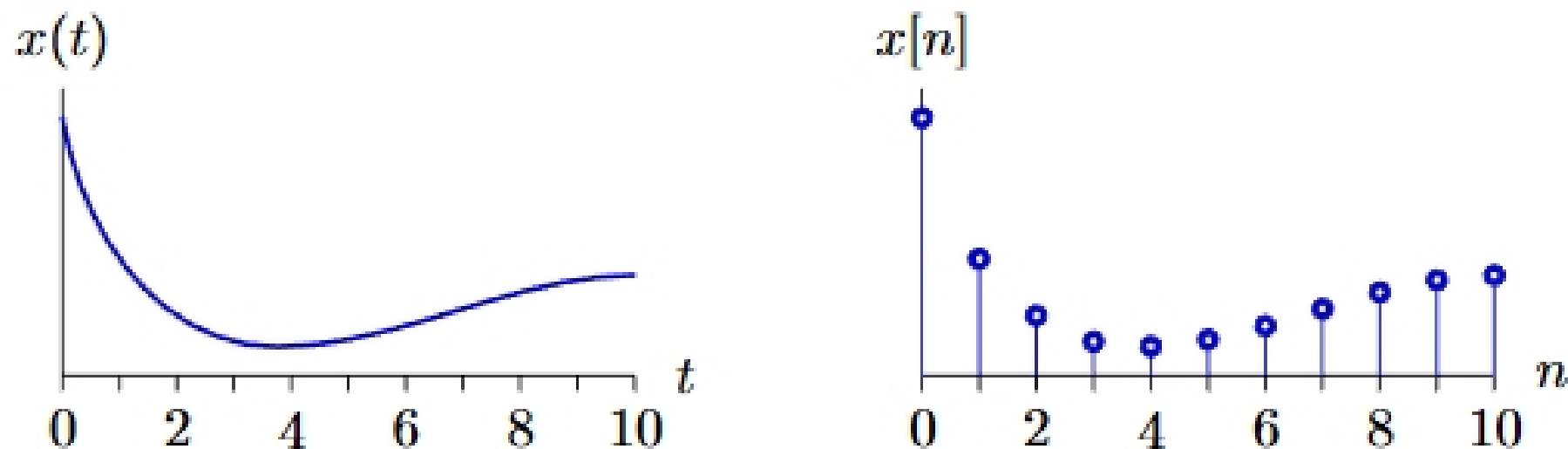
## Sampling

*November 24, 2009*

# Sampling

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Conversion of a continuous-time signal to discrete time.



We have used sampling a number of times before.

Today: new insights from Fourier representations.

# Sampling

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Sampling allows the use of modern digital electronics to process, record, transmit, store, and retrieve CT signals.

- audio: MP3, CD, cell phone
- pictures: digital camera, printer
- video: DVD
- everything on the web