Solutions to Network Analysis by FF Kuo

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Contents

Chapter 1

Signals and Systems

1.2 In signal processing, sampling is the reduction of a continuous-time signal to a discrete-time signal. A common example is the conversion of a sound wave (a continuous signal) to a sequence of samples (a discrete-time signal).(1) so, basically a sampler records the signal value at particular time intervals. Here the sampler records the signal $\sin(t)$ at intervals of $k\pi/4$ where k is an integer.

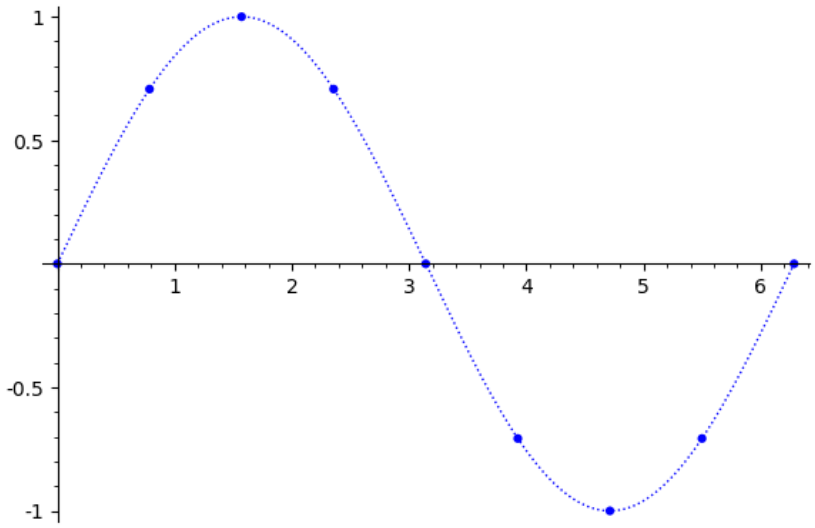

Figure 1.1: The Response of the sampler is plotted

Bibliography

[1] Wikipedia contributors, *Sampling (signal processing) — Wikipedia, The Free Encyclopedia*, 2021, https://en.wikipedia.org/w/index.php?title=Sampling_(signal_processing)&oldid=1000373153, [Online; accessed 19-January-2021].