

## *Answers Of Discrete Time Signal Processing*

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**Answers Of Discrete Time Signal**

Best Answer: The notation "u" usually means a unit-step function rather than a Dirac delta function, so I'd expect the graph to have at least one unit step. The most straightforward interpretation would be a single-step upward at  $t = -n-1$  (just SOMEWHERE in the negative domain, assuming "n" is some as-yet unknown posv integer).

**what will be the sketch of the discrete time signal "u(-n ...**

- The complex signal  $e^{j\omega n}$  is an important signal in discrete time signal processing – it is an eigenfunction of a linear system and it leads us to the concept of Fourier Transform of a discrete-time signal. Again let us use  $T[\cdot]$  to represent the operation a discrete time system performs on its input.

**Chapter 2 - Discrete Time Signals and Systems**

Instead of a time axis, a discrete signal is gathered over a sampling axis. Discrete signals are usually denoted by  $x[k]$  or  $x[n]$ , a continuous signal is  $x(t)$  for example.

**Linear discrete time signal - answers.com**

And hence we use samples which are nothing but discrete time signals. hence, it is called discrete time signal processing. 1 person found this useful What is the difference between a continuous ...

**What is Discrete time signal processing - answers.com**

Signals that are discrete in time but continuous in amplitude are referred to as discrete-time signals. Discrete-time signals are data sequences. A sequence of data is denoted  $x[n]$  or simply  $x[n]$  when the meaning is clear. The elements of the sequence are called samples.

**Chapter 2 Discrete-time Signals and Systems**

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$x[-1]$   $x[-2]$   $n$  Figure 2.1 Graphic representation of a discrete-time signal.

As an example of a sequence obtained by sampling, Figure 2.2(a) shows a segment of a speech signal corresponding to acoustic pressure variation as a function of time, and Figure 2.2(b) presents a sequence of samples of the speech signal.

**Discrete-Time Signals and Systems - Pearson Education**

Related Questions More Answers Below. A continuous time signal is an analog representation of a natural signal, with characteristically smooth transitions between peaks and valleys. A discrete time signal is a digital representation of a continuous signal, it has a magnitude that is held constant for the duration of each sample,...

**What is the difference between continuous and discrete ...**

A discrete-time system is a device or algorithm that, according to some well-defined rule, operates on a discrete-time signal called the input signal or excitation to produce another discrete-time signal called the output signal or response .

**Discrete-time signals and systems - University of Michigan**

Discrete-Time Signal Processing, Third Edition is the definitive, authoritative text on DSP – ideal for those with introductory-level knowledge of signals and systems. Written by prominent DSP pioneers, it provides thorough treatment of the fundamental theorems and properties of discrete-time linear systems, filtering, sampling, and discrete ...

**Does anybody have a solution manual for Discrete time ...**

1.2.7 The impulse response of a discrete-time LTI system is  $h(n)=2(n)+3(n1)+(n2)$ . Find and sketch

the output of this system when the input is the signal

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The term digital signal can refer to any continuous-time waveform signal used in digital communication, representing a bit stream or other sequence of discrete values and a pulse train signal that ...

**What is the difference between a discrete signal and a ...**

Discrete time. A discrete signal or discrete-time signal is a time series consisting of a sequence of quantities. Unlike a continuous-time signal, a discrete-time signal is not a function of a continuous argument; however, it may have been obtained by sampling from a continuous-time signal.

**Discrete time and continuous time - Wikipedia**

Discrete time signals are "the signals or quantities that can be defined and represented at certain time instants of the sequence." These are finite or countable sets of number sequences. They are also called digitalized signals. A discrete signal is shown in Figure 1.

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**What is the DFT of DFT of discrete signal**

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Finn Haugen, TechTeach: Discrete-time signals and systems 9 may appear as a low-frequent sinusoid in the digital signal!1 This phenomenon is called aliasing2, and it appears if the sampling frequency is too small compared to the frequency of the sampled signal. Figure 4 shows two examples,

**discretetime signals systems - TechTeach**

A discrete signal or discrete-time signal is a time series, perhaps a signal that has been sampled from a continuous-time signal. Unlike a continuous-time signal, a discrete-time signal is not a function of a continuous-time argument, but is a sequence of quantities; that is, a function over a domain of discrete integers.

**what is discrete signal? | Yahoo Answers**

Signal Processing Stack Exchange is a question and answer site for practitioners of the art and science of signal, image and video processing.

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