Quiz #6

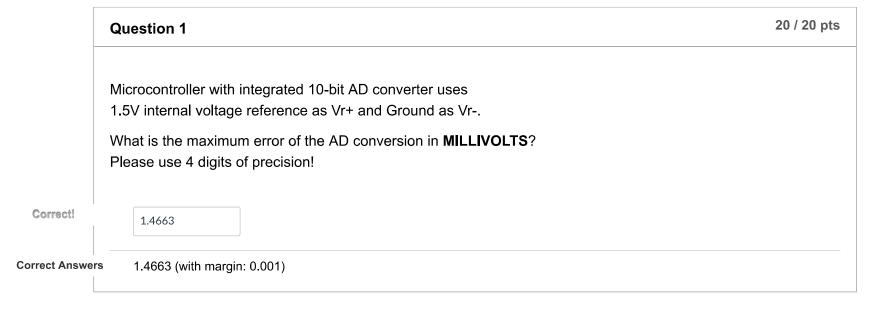
Due Apr 21 at 9:52am Points 100 Questions 5 Available Apr 21 at 9:35am - Apr 21 at 9:54am 19 minutes Time Limit 10 Minutes

This quiz was locked Apr 21 at 9:54am.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	10 minutes	40 out of 100

Score for this quiz: **40** out of 100 Submitted Apr 21 at 9:45am This attempt took 10 minutes.



Question 2 0 / 20 pts

How many megabytes (MB) of memory do you need to store one hour of a STEREO audio recording with 16-bits per sample and sampling frequency of 11,025 Hz?

Please note that 1KB = 1,024B!
Please use 2 digits of precision.

You Answered

1.49

Correct Answers

151.41 (with margin: 0.01)

Amplitude of the output signal is A_{out}=0.001*A_{in}, where A_{in} is amplitude of the input signal.

What is attenuation of the system in [dB]?

Don't forget to include sign of the result!

You Answered

-80

Correct Answers

-60 (with margin: 0)

Question 4

A signal is sampled at Fs=20 Hz and processed by FIR filter of length NB=80.

	What is the latency of output signal in seconds introduced by filtering?	
Correct!	2	
Correct Answers	2 (with margin: 0)	
	Question 5	
	What is the value of the second coefficient (b[1]) of the 4-point moving average FIR filter?	
You Answered	0.4	
Correct Answers	0.25 (with margin: 0.01)	

Quiz Score: 40 out of 100