

HKUSTx: ELEC1200.1x A System View of Communications: From Signals to Packets (Part 1)

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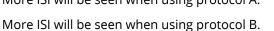
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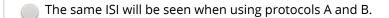
5.2 QUIZ QUESTION 1 (1/1 point)

Suppose we transmit binary bits over a given LTI channel using two different communication protocols. Protocol A uses a bit time of 5 microseconds and protocol B uses a bit time of 20 microseconds. All other aspects of the protocols are the same. Which one of the following statements is correct?

Please select the correct answer.

-							
	More I	SI will be	seen	when	using	protocol	Α
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EXPLANATION

Given the same channel response, the smaller the bit time, the greater the intersymbol interference.

Hide Answer

You have used 1 of 1 submissions

5.2 QUIZ QUESTION 2 (1/1 point)

Suppose we transmit binary bits using a given communication protocol over two different LTI channels. Both channels have exponential step responses. Channel A has a settling time of 5 microseconds. Channel B has a settling time of 20 microseconds. Which one of the following statements is correct?

Please select the correct answer.

	Morel	SI will	he seen	when	ιιςinσ	Channel A.
()	IVIOLE I	OI WIII	ne seen	wileii	usilig	CHAIHEI A.

More ISI will be seen when using Channel B.



The same ISI will be seen when using Channels A and B.

5	2 QUIZ QUESTION 1 5.2 Inter	symbol Inte	https://courses.edx.org/courses/HKUSTx/EL
	EXPLANATION		
	Given the same bit time, the slowe	channel will exhibit more inters	symbol interference (ISI).
Help	Check Save Hide Answer	You have used 1 of 3 submission	าร

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