Course outline

Week 12: Assignment 12

The due date for submitting this assignment is passed. If you have not submitted your assignment, you have until 10pm on 2021-10-26 to do so.

- The ratio of carrier to noise increases: a) Decreases signal to noise ratio and keeps signal to interference plus noise ratio constant. b) Increases signal to interference plus noise ratio only. c) Decreases signal to interference plus noise ratio only. d) Decreases signal to interference plus noise ratio but S/N remains constant.

- A for Assignment 23 not accepted.

- The reason for adding FFT in a communication framework is: a) Filtering with some receiver value may not be optimal at the cost function may not be the same. b) Process of noise that we can use among combination of angles of departure. c) Process of multiple reflections may make the communication problem tougher. d) All of the above.

- A for Assignment 10 not accepted.

- The ratio of carrier to noise decreases: a) Decreases signal to noise ratio and keeps signal to interference plus noise ratio constant. b) Increases signal to interference plus noise ratio only. c) Decreases signal to interference plus noise ratio only. d) Decreases signal to interference plus noise ratio but S/N remains constant.

- A for Assignment 23 not accepted.

- The error caused by hardware impairment is: a) Error source and additive. b) Nonlinear and multiplicative. c) Both of it and additive. d) Both of it and multiplicative.

- A for Assignment 10 not accepted.

- The hardware impairment noise depends on: a) Frequency. b) Signalphase. c) Temperature and silence process. d) All of the above.

- A for Assignment 23 not accepted.

- Which of the following is a data independent noise: a) Thermal noise. b) Quantization error. c) Power amplifier noise. d) All of the above.

- A for Assignment 10 not accepted.

- Which of the following is a data independent noise: a) Thermal noise. b) Quantization error. c) Power amplifier noise. d) All of the above.

- A for Assignment 23 not accepted.

- The scale generated due to Power amplifier in transmitter side is: a) Data dependent and additive noise. b) Data independent and additive noise. c) Data dependent and multiplicative noise. d) Data independent and multiplicative noise.

- A for Assignment 10 not accepted.

- Which is the unit of channel capacity for cut off bandwidth: a) Bits. b) Bit/hertz. c) Bits/square hertz. d) Bit/Hz.