Mindluster Platform

About the course Block Codes basics

Block Codes course in hindi, In this course we'll explore Block Codes, a vital concept in coding theory for error detection and correction in data transmission and storage.

Computer Science Category's Courses

Course Lesson(23)

Lesson 1 :
Block Codes basics and parameters Information Theory Error Coding in Digital Communication

Lesson 2 :
Block Codes for single parity check codes Information Theory Error Coding in Digital Communicatio

Lesson 3 :
Block Codes for product Codes Information Theory Error Coding in Digital Communication

Lesson 4 :
Block Codes for Repetition Codes Information Theory Error Coding in Digital Communication

Lesson 5 :
Hamming Code Basics Number of Parity bits in Hamming code Find Parity bits in Hamming code

Lesson 6 :
Hamming Code generation Position of Parity bits and Calculation of Parity bits in Hamming Code

Lesson 7 : **Hamming Code error detection and Hamming Code error correction DigitalElectronics**

Lesson 8 :
Linear Block Code basics Property with example in Digital Communication by Engineering Funda

Lesson 9 :
Generator Matrix to generate code words in Linear Block Code with example in Digital Communication

Lesson 10 :
Systematic Generator Matrix and Conversion of Non Systematic generator Matrix into Systematic Matrix

Lesson 11 :
Parity Check Matrix in Linear Block Code with Example in Digital Communication by Engineering Funda

Lesson 12 :
Error Syndromes in Linear Block Code Error Correction in Linear Block Code in Digital Communicatio

Lesson 13 :
Error Detection Error Correction Capability of Linear Block Code with Example in Digital Communica

Lesson 14 :
Complete Example of Linear Block Code in Digital Communication by Engineering Funda

Lesson 15 :
Cyclic Code Basics Properties of Cyclic Code in Digital Communication by Engineering Funda

Lesson 16 :
Cyclic Code for Non Systematic Codeword with Example in Digital Communication by Engineering Funda

Lesson 17 :
Cyclic Code for Systematic Codeword with Example in Digital Communication by Engineering Funda

Lesson 18 :
Generator Matrix of Cyclic Code with Example in Digital Communication by Engineering Funda

Lesson 19 :
Cyclic Encoder Designing with Example in Digital Communication by Engineering Funda

Lesson 20 :
Convolutional Codes basics designing Parameters in Digital Communication by Engineering Funda

Lesson 21 :
Convolutional Codes States and Code tree in Digital Communication by Engineering Funda

Lesson 22 :
Code trellis and State Diagram of Convolutional Codes in Digital Communication by Engineering Funda

Lesson 23 : **Viterbi Algorithm Basics Process Example with trellis diagram in digital communication**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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