

# Synchronous code-division multiplex systems

## - - CPC Scheme

1. State the reason why Multiplexing technique became a necessity in modern communications systems.
2. Which type of transmission is faster asynchronous transmission or synchronous transmission? Explain why.
3. In your own words, differentiate the three most common type of Multiplexing, FDM, TDM and WDM.
4. What are guard bands?
5. What is Code Division Multiplexing (CDM)? What are its applications?

Description: -

-Synchronous code-division multiplex systems

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Notes: Thesis(Ph.D.) - Loughborough University of Technology 1975.

This edition was published in 1975



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Tags: #What #is #Time #Division #Synchronous #Code #Division #Multiple #Access #(TD

## Code division multiple access

As shown in the figure A-Synchronous TDM Frames: In asynchronous TDM, a frame contains a fix number of time slots.

## CPC Scheme

Each transmission circuit 210- 1 to 210- n outputs the communication frame at the same timing. Cheung, Kiyoshi Nosu, Gerhard Winzer: Dense Wavelength Division Multiplexing Techniques for High Capacity and Multiple Access Communication Systems. The simplest application of this process is the multi-core cable that was used in the early days of and is still used today.

## US6728202B1

The content may be subject to additional conditions.

## US20070127554A1

It was placed in the trunk of the vehicles of high-ranking officials and used a standard handset in the passenger compartment.

## Multiplexing

Code division multiple access This method is used in radio technology and in. The control signal 612 is used by the OLT 110 to control the ONUs 120- 1 to 120- n.

## Code division multiple access

In: IEEE Journal on Selected Areas in Communications.

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