

Radio System

ANalogue communications system

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# Overview

Threads lab is divided into two sub-programs:

* Merge Sort using threads
* Matrix Multiplication using threads

# Features

* This lab is to experiment developing programs using threads and comparing the execution time.

# Run

* Matrix multiplication: Run the cbp file, which will take input 2 matrices and their dimensions from input.txt then output the result in output.txt along with the cpu running time for two cases 1- The computation of each element of the output matrix happens in a thread. 2- The computation of each row of the output matrix happens in a thread.

# Flow of Program for Matrix Multiplication Using Threads

Sample Runs

# Support

* If you encounter any problem or a bug, please let me know at [ahmednawar2007@gmail.com](mailto:ahmednawar2007@gmail.com)