Abstract

This paper shows the effect of parallelism in multicore architecture. Performance was evaluated on the basis of the execution time of matrix multiplication between sequential algorithm and parallel algorithm in multicore processors. To implement matrix multiplication algorithms C programming language with OpenMp Libraries was used under Linux environment.

References

2. Cameron, H., Tracy, H., Professional Multicore programming, Wiley publication,2008.
4. Rose M. P., “A Parallel Approach for Matrix Multiplication on the TMS320C4x DSP"
Impact of Parallelism on Dualcore


11. Jaeyoung C., A New Parallel Matrix Multiplication Algorithm on Distributed-Memory Concurrent Computers

Index Terms

Computer Science

Information Sciences

Keywords

Matrix Multiplication, Parallel Algorithm, OpenMp