Abstract

For variety of reasons comprising instruction level parallelism, power consumption and memory speed mismatch, many of the chip manufacturers are moving towards the development of multicore processors. Multiprocessors are considered as a powerful computing resource because of their reliability and high performance. Such Multiprocessor Real time system requires an efficient algorithm to determine when and on which processor a given task should execute. This paper presents a comparative study of different customized Multiprocessor scheduling algorithms which are for specific performance parameters and which maximizes the real time tasks that can be processed without violating timing constraints.

References

Customized Multiprocessor Scheduling Algorithms for Real time Systems

Customized Multiprocessor Scheduling Algorithms for Real time Systems

Index Terms

Computer Science  
Emerging Trends in Technology

Keywords

Real Time Operating System  
Multi-processor  
Scheduling Algorithm