Abstract

Many techniques of partitioning the processing elements have been developed since past few years to improve the performance of the system. A common approach is to divide the set of processing elements into independent partitions depending upon the job requirements. This can be done statically, dynamically or adaptively depending upon current requirements and workload characteristics of the particular job. This paper presents several partitioning policies, which are commonly used to partition the set of processing elements to improve the performance of the multiprocessor systems.
References

- Mark S. Squillante, "On the Benefits and Limitations of dynamic Partitioning in Parallel Computer Systems";

Index Terms

Computer Science

Computer Systems
Keywords
Adaptive Partitioning  Equipartitioning  Multiprocessors  Partitioning Policies  Scheduling  Performance