Abstract

Multi-core designs have become commonplace in the processor market, and are hence a major focus in modern computer architecture research. Thus, for both product development and research, multiple core processor simulation environments are necessary. Multi-core computer offer a new parallel computing platform with high performance-price ratio and small volume to parallel simulation. Existing parallel simulator especially PDES simulators commonly run on
parallel computers or clusters with Linux or Unix OS. The prices of super computer and large scale cluster are too high to be afforded, which limits the extensive popularization of PDES. This paper discusses a brief overview of multi-core processors and existing approaches to Parallel Discrete Event Simulation based on multi-core computer platform. A novel approach to proposed to explore the Parallel Discrete Event Simulation based on multi-core computer platform that can run on desktop with windows OS directly.

References

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Index Terms

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Keywords