

PERFORMANCE EVALUATION OF NETWORK USING PETRI NETS

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Abstract: The thesis studies network performance evaluation based on Petri net models, targeting parallel and distributed systems. The document first presents an overview of network performance, evaluation methods, relevant parameters, and issues related to network architecture, switching techniques, and traffic models. Based on this theory, the topic introduces stochastic processes, Petri net models, Stochastic Petri nets, and corresponding solution methods. The application part focuses on building a network performance evaluation model using Stochastic Petri nets to support the analysis of system behavior and operational efficiency.

Keywords: NETWORK PERFORMANCE USING PETRI NETS

References

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