

Operating Systems Engineering

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Synchronization mechanisms for parallel processing.- A parallel programming language and description of scheduler.- Specification of schedulers with algebraic specification techniques.- Generalized dynamic authorization mechanisms.- Program behavior and its models.- CPU scheduling for effective multiprogramming.- Dynamic tuning of operating systems.- On pseudo workload for performance measurement of interactive systems.- Modifiability of large software systems.- Operating system conceptual model for ease of extension.- Perspective of OS interface to users.- Intelligent console a universal user interface of a computer system.- Structuring distributed programs with control fault detection.- A distributed operating system for a binary tree multiprocessor.- Gamma-net: Computer network coupled by 100 MBPS optical fiber ring bus -system planning and ring bus subsystem description.- Product validation for standardized network protocol.- Protection and synchronisation in a message-switched system.- On the progress of communication between two machines.- Form transformer -a formalism for office form manipulation.- Automated design of concurrent process systems.- Concurrent programming.- Streams and managers.

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