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Analyse Und Simulation Des Schedulingverhaltens Von Betriebssystemen Mit Hilfe Von Systemc

By Tobias Gro

Grin Verlag. Paperback. Condition: New. 124 pages.
 Dimensions: 8.3in. x 5.8in. x 0.3in. Diplomarbeit aus dem Jahr 2006 im Fachbereich Informatik - Angewandte Informatik, Note: 1,0, Universität Leipzig (Institut für Mathematik und Informatik), 35 Quellen im Literaturverzeichnis, Sprache: Deutsch, Abstract: Entwickler von eingebetteten Systemen und Echtzeitanwendungen können heutzutage aus einer Vielzahl von Betriebssystemen wählen. Um die Entscheidung für ein bestimmtes Betriebssystem zu treffen, ist es notwendig, sein Zeitverhalten vorherzusagen zu können, welches maßgeblich von der verwendeten Schedulingstrategie abhängt. Die vorliegende Diplomarbeit präsentiert eine Methode, Parameter, die im Zusammenhang mit dem Scheduling stehen, zu messen und die Scheduler verschiedener Betriebssysteme in einer Simulationssoftware auf Basis von SystemC nachzubilden. ----- Today developers of embedded systems and real-time applications have the choice between various operating systems to use as platform. Therefore, being able to predict the OS behavior, which is significantly dependent on its scheduling policy, is crucial. This thesis describes an approach how to measure scheduling related parameters and shows the possibility to emulate different schedulers by means of a simulator written in SystemC. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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