From Synchronous to Asynchronous Design

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Abstract

The most simple real time programming paradigm is a synchronous loop. This is an effective approach for simple systems, but at a certain level of concurrent activities an asynchronous design, based on scheduling tasks, becomes more effective. We will use a conventional television as case to show real time design strategies, starting with a straightforward analog television based on a synchronous design and incrementally extending the television to become a full-fledged digital TV with many concurrent functions.
1 Acknowledgements

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References


History

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