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A Process Algebraic Approach to the Schedulability Analysis and Workload Abstraction of Hierarchical Real-Time Systems

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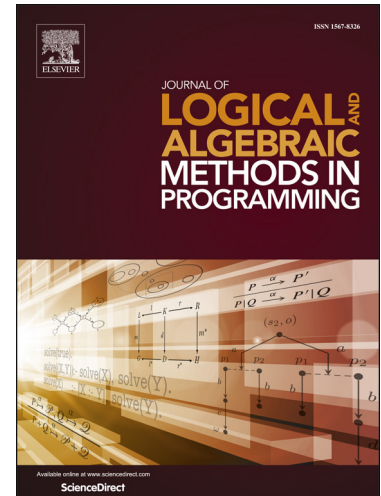
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Highlights

- ACSR's conservative extension is proposed for hierarchical real-time systems (HRTS).
- The schedulability relation between supply/demand processes is the main extension.
- The exact schedulability condition for HRTS is stated in the extended ACSR framework.
- The schedulability analysis and workload abstraction can be done by the tool support.

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