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Incremental dataflow execution, resource efficiency and probabilistic guarantees with Fuzzy Boolean nets

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*Highlights (for review) ACCEPTED MANUSCRIPT

-we offer a framework for resource efficient continuous and data intensive workflows

-we are able to learn correlations between dataflow input and final output

-we avoid re-executions when input data is predicted not to be impactful to the output

-we ensure dataflow correctness within a small error constant

-we achieve controlled performance, task prioritization and high resource efficiency

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