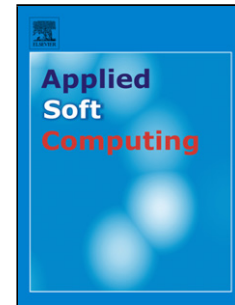


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Title: On the use of local search heuristics to improve
GES-based Bayesian network learning

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Highlights

- Structural bayesian network learning in the space of equivalence classes.
- Introduction of random local operators in the greedy adaptive search procedure (SEARCH) and design of learning methods based in local-search based metaheuristics: VNS, ILS and GRASP.
- Proof that the new algorithms preserve the theoretical properties of GES under faithfulness assumption.
- Experimental evaluation.

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