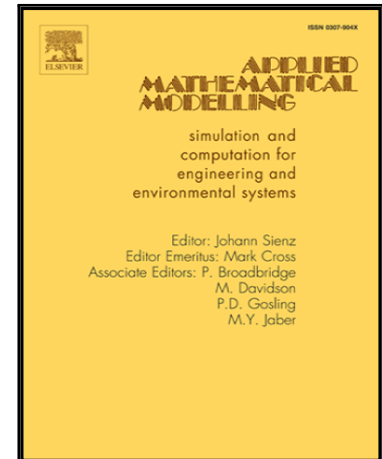


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A local search method for optimization problem with d.c. inequality constraints

Alexander S. Strekalovsky, Ilya M. Minarchenko

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Highlights

- The Local Search Method (LSM) for the nonconvex optimization problem is proposed.
- The original problem is reduced to the one without constraints by exact penalty.
- The objective function of the penalized problem is a d.c. function.
- The convergence properties of the sequence produced by the LSM are investigated.
- Preliminary computational testing of the LSM was carried out.

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