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A hybrid algorithm coupling genetic programming and Nelder-Mead for topology and size optimization of trusses with static and dynamic constraints

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Highlights

- Genetic programming used for truss optimization with static and dynamic constraints
- Nelder-Mead used to improve the convergence of the proposed algorithm
- The proposed algorithm performed on discrete sizing optimization of trusses
- The proposed approach outperformed other reported methods in most of the cases

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