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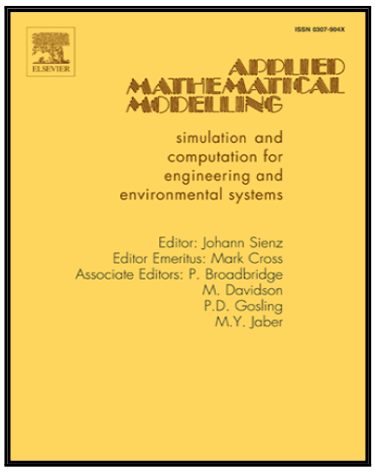

Topological Design of multi-cell hexagonal tubes under axial and lateral loading cases using a modified particle swarm algorithm

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Highlight

- Topology optimization of multi-cell hexagonal tubes was studied under both axial and lateral loading cases.
- A modified PSO algorithm was proposed to improve the success rate.
- The design requirements for cross-sectional configurations were discussed.

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