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Title: Automatic Generation of Interlock Designs Using Genetic Algorithms

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Highlights

- A generic GA-based MATLAB code is developed for generating structural and maintenance specifications.
- An interlock superstructure can be constructed to facilitate systematic search for the optimal configurations.
- Novel and comprehensive models of the corrective and preventive maintenance programs can be incorporated.
- This optimization code is adopted to achieve simplicity, portability and maintainability in practical applications.
- Four examples are provided to demonstrate the aforementioned benefits.

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