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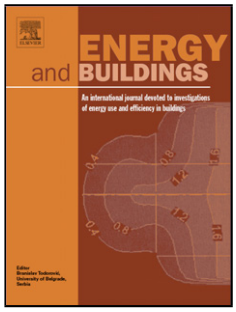

Title: Hybrid Single objective Genetic Algorithm coupled with the Simulated Annealing optimization method for building optimization

Author: Lars Junghans Nicholas Darde

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Highlights:

Introduction of a hybrid optimization algorithm combining the GA and SA

Goal:Improvement of reliability of genetic algorithms used for building optimization

Genetic algorithm does not always provide results close to the global optimum

Reduction of computation time compared to repetitive use of the GA

Result: Reliable and robust results of the hybrid algorithm

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