

Solution Archives for Metaheuristics

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ALGORITHMS AND
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Problem:

Re-visits of already generated solution candidates can lead to:

- Unnecessary possibly time-consuming evaluations
- Loss of diversity in population based metaheuristics
- Premature convergence

Solution:

Solution Archives

- Not only store but also **convert** duplicates into new solutions
- Combines metaheuristics with (exact) tree search methods
- Finds the optimal solution (given enough space and time)