## Binarization methods for shuffled frog leaping algorithms that solve set covering

## problems

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This work proposes Shuffled Frog Leaping Algorithms (SFLAs) to solve Set Covering Problems (SCPs). The proposed algorithms include eight transfer function and five discretization methods in order to solve the binary representation of SCP. Different instances of the SetCovering Problem are solved to test our algorithm showing very promising results. © Springer International Publishing Switzerland 2015.

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Set Covering Problem

Shuffled Frog Leaping Algorithm

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Discretization method

Meta heuristics

Set covering problem

Set-covering problems

Shuffled frog leaping algorithm (SFLA)

Problem solving