Abstract

Harmony Search (HS) is a meta-heuristic algorithm which bases its operation on the musical improvisation process. Recently, HS has become a popular algorithm in the evolutionary computation field due to its superiority to many other algorithms. As a consequence, in this paper, HS algorithm, its improvements and applications in many fields, such as operations research and computer science, are discussed and analyzed. The survey investigates the difference between HS algorithms as well as its applications. To add to this, several future improvements are suggested.
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