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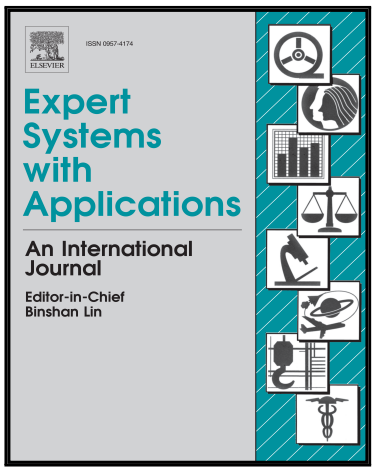

New directional bat algorithm for continuous optimization problems

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Highlights

- The directional bat algorithm is proposed by introducing directional echolocation to the standard bat algorithm.
- The exploitation and exploration capabilities of the algorithm have been improved.
- The directional bat algorithm is tested on several benchmark functions including the CEC2005 suite.
- Non-parametrical tests results show significant enhancement of the algorithm in comparison with other algorithms.

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