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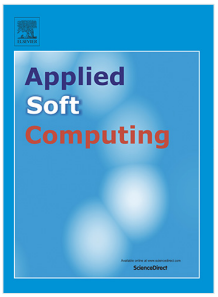

Oscillatory Particle Swarm Optimizer

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***Highlights (for review)**

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1. New OSC-PSO algorithm that perform consistently across problems of different dimensions.
2. The proper choice of algorithmic parameters is suggested to achieve the desired objective.
3. Particles are driven into oscillatory trajectories to ensure that the search space can be covered more completely.
4. A perturbation on the inertia weight is introduced to further enhance particle coverage and prevent trajectory overlap.

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