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A Coevolutionary Technique Based on Multi-swarm Particle Swarm Optimization for Dynamic Multi-objective Optimization

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**Highlights**

- a coevolutionary multi-swarm particle swarm optimizer is proposed;
- all swarms utilize an information sharing strategy to evolve cooperatively;
- a velocity update mechanism and a new boundary constraints technique are adopted;
- a similarity detection operator is used to detect the environment change;
- it is applied to solve eight benchmark problems, with a good performance obtained.

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