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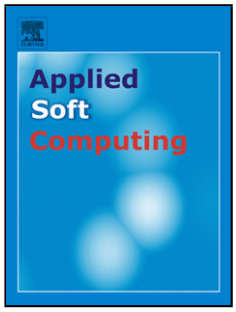

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A Local Search Enhanced Differential Evolutionary Algorithm for Sparse Recovery

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Graphical abstract

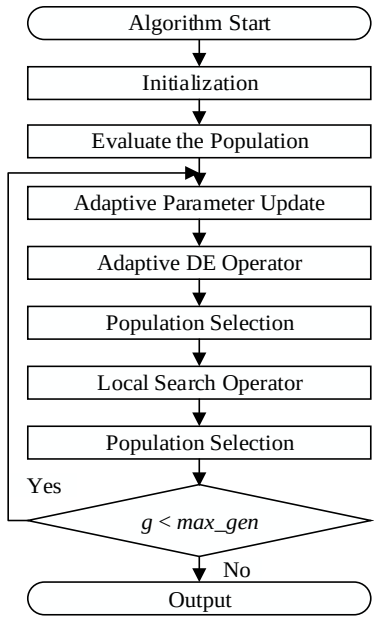

Fig. 1 The framework of LSE-ADE

Highlights:

- An adaptive DE algorithm is extended to tackle the sparse recovery problems.
- A local search operator is embedded into the evolutionary process of DE.
- The local search capability of STM and global search ability of DE are combined.
- Our algorithm outperforms five classical sparse recovery algorithms.

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