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A Multiobjective Optimization-Based Sparse Extreme Learning Machine Algorithm

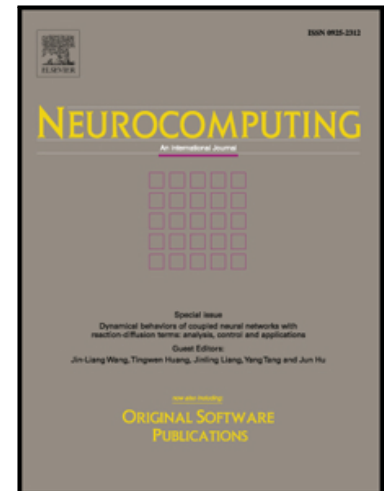
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Highlights

- We propose a multiobjective optimization-based sparse extreme learning machine (MO-SELM) for classification and regression tasks.
- The sparse connecting structure of ELM is designed for learning more compact network.
- We improve MOEA/D to optimize the proposed multiobjective model and make decisions by the ensemble learning.
- Experimental results reveal the superior performance of the proposed MO-SELM.

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