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Quantum weighted long short-term memory neural network and its application in state degradation trend prediction of rotating machinery

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- (1) Quantum weighted long short-term memory neural network is proposed.
- (2) A novel state degradation trend prediction method using QWLSTMNN is proposed.
- (3) Wavelet packet energy entropy error is put forward.
- (4) The effectiveness of the proposed trend prediction method is demonstrated.

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