

# Reservoir time series analysis: Using the response of complex dynamical systems as a universal indicator of change

Journal Article

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Relevance to the Centre

Reservoir time series analysis (RTSA), is a method by which the state space representation generated by a reservoir computing (RC) model can be used for time series analysis. Compared to several benchmark approaches, Braden can show significant, generalised accuracy across the proposed RTSA features that surpass the benchmark methods. Braden uses this method for bearing fault distinction to motivate using RTSA in application.

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