

Review of: "A digital twin auxiliary approach based on adaptive sparse attention network for diesel engine fault diagnosis"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

This paper propose an attention-based neural network model for fault diagnosis to increase the model interpretability. The case study shows that the proposed model works well for diagnosis. However, this method cannot be regarded as a digital twin method. Digital twin focuses on the model updating and visualization, which cannot be reflected in the attention-based neural network model. In addition, attention mechanisms can only interpret which input feature is important for a fault model, that is, attention can only determine their weights. It is still hard to interpret the model behavior completely.