

Abstract

A moving-device fault detection method and system, belongs to the technical field of fault detection. The method comprises: collecting a measurement signal of a target device (S10); performing fault type classification on the measurement signal on the basis of an autocorrelation characteristic (S20); on the basis of the classification result, selecting a corresponding fault diagnosis model (S30); and performing fault diagnosis on the basis of the selected fault diagnosis model and the measurement signal to obtain a diagnosis result (S40). On the basis of a fault type distinguishing result, the present invention performs adaptive diagnosis model selection to ensure that the selected diagnosis model is a fault detection model suitable for current signal feature rules, thereby achieving differentiated moving-device fault diagnosis solutions, and improving the accuracy of fault diagnosis results.

[Fig. 1]