

Graph-Theoretic Analysis of Discrete-Phase-Space States for Detection

Disclosure Number

201102605

Technology Summary

Data collected from devices and human condition may be used to forewarn of critical events such as machine/structural failure or events from brain/heart wave data stroke. By monitoring the data, and determining what values are indicative of a failure forewarning, one can provide adequate notice of the impending failure in order to take preventive measures. This disclosure teaches a method to convert dynamical numeric data (unstructured data) into discrete-phase-space states, and hence into a graph (structured data) for extraction of condition change.

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