

FAULT DIAGNOSIS USING DENDROGRAM BASED HEIRARCHICAL CLUSTERING METHOD

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Abstract

In case of highly overlapping faults scenario, effective clustering of process variables facilitates the access to the content and helps in understanding the associated fault causes. This paper introduces a cluster analysis which employs dendrogram representation to produce hierarchical summaries of the fault data. In this paper, the performance of the proposed Fault Diagnosis approach using Dendrogram based Hierarchical Clustering Method is demonstrated on the DAMADICS benchmark problem. An attempt has been made to improve the performance of fault diagnosis task on DAMADICS benchmark.

Keywords : Benchmark study, Dendrogram, Fault Diagnosis.