

자기조직화지도를 이용한 사례기반추론

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Case-Based Reasoning Using Self-Organization Map

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Key Words : Case-Based Reasoning, Self Organization Map, Fault Diagnosis

Abstract : This paper presents a new approach integrated Case-Based Reasoning with Self- Organization Map(SOM) in diagnosis systems. The causes of faults are obtained by case-base trained from SOM. When the vibration problem of rotating machinery occurs, this provides an exact diagnosis method that shows the fault cause of vibration problem. In order to verify the performance of algorithm, we applied it to diagnose the fault cause of the electric motor.

웹기반 원격 계측 및 제어 시스템 개발

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Web-Based Remote Control and Measurement Systems

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Key Words : PHP, Remote Measurement and control, Web-based monitoring.

Abstract : This paper is concerned with web-based remote measurement and control systems. Recently, various techniques are developed based on the advance of the internet environment. The PHP can be used in the server without any interpreter. Simple page can be constructed using the html and the results can be immediately showing client PC using web-cam.