

# Fuzzy reasoning based interactive diagnosis of a grid network of rain gauge sensors

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**Abstract:** This paper presents the problem of diagnostic for a network of rain gauge sensor in the context of human-machine cooperative. Usually, the model of the hold system is difficult to be completely established before the diagnosis analysis. A part of the expert's knowledge is tacit and it'll be exploited in the diagnostic process. E.g. expert analyzes the hyetograph of rainfall of a cluster of rain gauge to collect symptoms. Diagnosis is an interactive process. In each interaction, the role of computer-aided diagnosis is to accompany the expert to establish a diagnosis.

**Keywords:** Fault diagnosis, diagnosis analyses, detection test design, symptom generation.

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