

## عنوان مقاله:

PROCESS CONTROL USING ASSUMED FUZZY TEST AND FUZZY ACCEPTANCE REGION

## محل انتشار:

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## خلاصه مقاله:

There are many situations for statistical process in which we have both random and vague information. When uncertainty is due to fuzziness of information, fuzzy statistical control charts play an important role in the monitoring process, because they simultaneously deal with both kinds of uncertainty. Dealing with fuzzy characteristics using classical methods may cause the loss of information and influence in process decision making. In this paper, we proposed a decision-making process based on fuzzy rejection regions and fuzzy statistical tests for crisp observation. With both methods, we define the degree of dependence to acceptance region for decision in the fuzzy regions and process fuzzy. A numeric example illustrates the performance of the method and interprets the results.

## کلمات کلیدی:

fuzzy hypotheses testing, fuzzy rejection region, hybrid numbers

## لینک ثابت مقاله در پایگاه سیویلیکا:

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