

عنوان مقاله:

Optimality Evaluation of Maintenance Strategy Using LVQ Neural Network

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خلاصه مقاله:

Today maintenance strategy selection for qualitative and quantity live factors of an organization is a concern for managers. In this paper an accurate & efficient method is presented to estimate the optimality of the existing strategies using LVQ neural network. This method can support managers to decide a choice of equipment maintenance strategy to have the best option in this method to access ahead strategies criteria such as maintenance cost, dependability (reliability), security, product quality, and investment return is used. Our experiments show that the proposed systems in comparison with other methods has the lowest error rate. The RMSE value for LVQ neural network method is 0.750.

کلمات کلیدی:

Optimal Maintenance Strategy, Multi Criteria Decision Making (MCDM), LVQ Artificial Neural Network, Fuzzy Logic

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