Abstract

The ephemeral power quality distortions such as voltage swell, harmonics, transients, voltage sag are incrementing every day with the proliferation of number of solid state devices. The technical difficulties like mis-operation, heating are upshots of this and hence identification and classification of the noise become a needful work. The three-phase voltage distortions are decomposed by the Multivariate Empirical Mode algorithm, for identification of its features and Support vector machine is utilized as a classifier. The online real-time, three-phase obtainable data are also tested by the presented approach.

References

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Index Terms
Keywords
Empirical Mode Decomposition  Multivariate Empirical Mode Decomposition  Libsvm
Octave 3. 8. 1

Support Vector Machine.