



Master Project

Theoretical

Application of Support Vector Machine in fault detection

Theme: Application of Support Vector Machine in fault detection

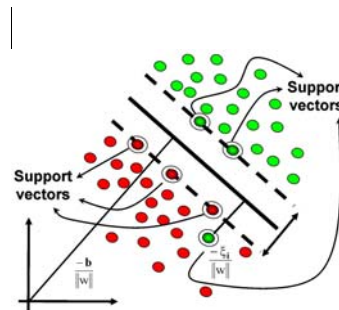
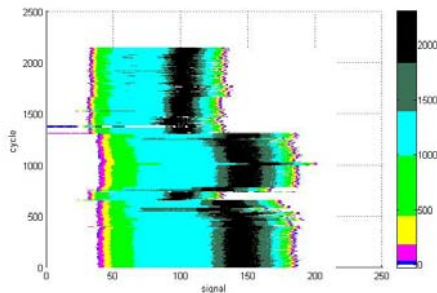
General conditions:

Duration: 6 months

Prerequisites: General programming skills (C, C++, Matlab, etc.)

Contents:

In this work, open source codes for Support Vector Machine should be applied on real industrial fault diagnosis data in order to find a reliable fault detection algorithm. Many open source codes should be applied and evaluation and comparison of the used codes should be realised. In parallel, application of Support Vector Machine should be applied on a real industrial data using open source codes to detect faults of the machine.



The use of open source codes has been providing a competitive, low cost alternative to the commercially available software dealing with many machine learning and data analysis problems. Many open source software are used in real educational and industrial oriented applications.

The work to be done and the results should be documented and presented according to the rules of the chair.

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