

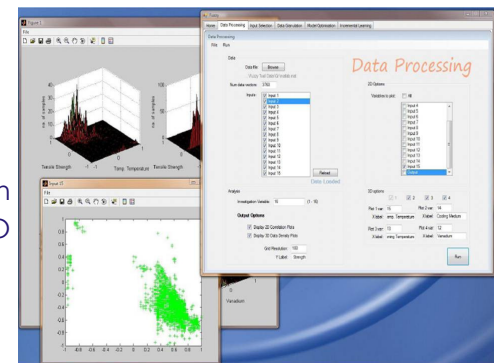
24049 Neuro Fuzzy Network Modeling

The Technology

The University of Sheffield has developed an advanced software package for Neuro-Fuzzy Network Modelling. This technique has been proven in a number of engineering applications such as data mining, pattern recognition, and process control/simulation.

The key features of interest in this proprietary software are:

- Data mining and data visualisation in 2D and 3D
- Input Selection for determining important input variables using statistical indices
- Data Granulation for extracting knowledge out of a database
- Model creation and optimisation for developing the modelling structure



Intellectual Property

Intellectual property in this software has been protected under the patent application WO 2006/103451

The Opportunity

The software has already been successfully utilised by companies with a need for a systematic method of generating neuro-fuzzy network models for non-linear high dimensional systems. Applications have included :

- The properties of heat treated steel based on the chemical composition
- The outcome of heat treatment regimes on steels
- Patient ventilation performance in an Intensive Care Unit

For commercial enquiries on this software, please contact Andrew Tingey, quoting reference 24049.

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