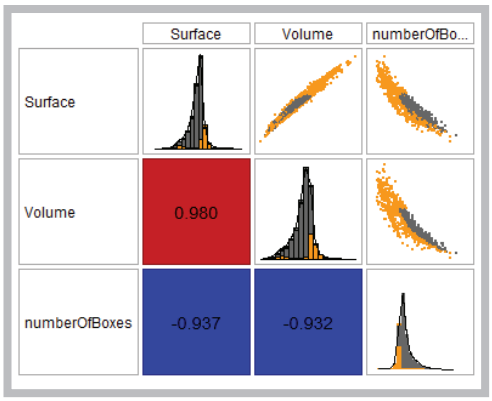
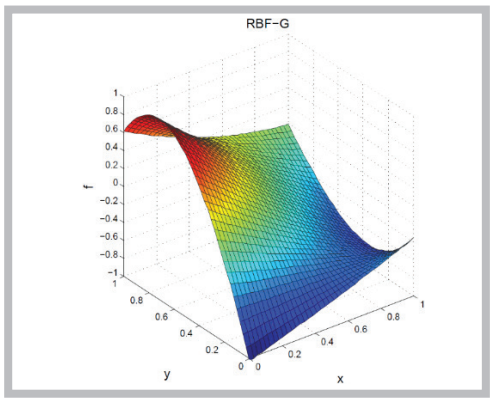
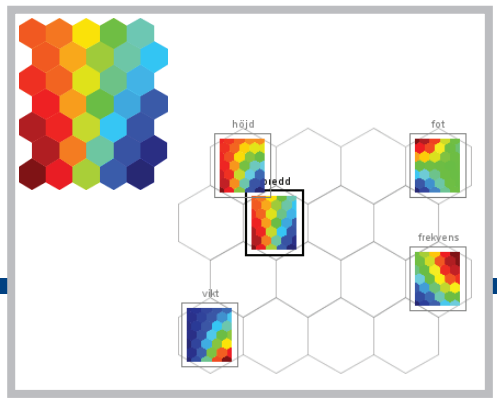
Advanced topics in modeFRONTIER



The Scatter Matrix summarises the statistical properties and parameter relationship for an entire model in a single plot.



The meta model allows you to capture trends and to forecast performance between available design candidates.



Self-Organizing Maps (SOM) are a powerful tool for visualizing high-dimensional data.

modeFRONTIER features an extensive selection of tools for the engineer and in this training we introduce more complex solution strategies along with advanced and powerful tools. Knowledge makes the difference and participants are challenged with real cases. Typically, several solution approaches is possible and much effort is put on forecasting results of different strategies.

After the training, participants will be able to select and motivate multistep strategies, examine large datasets as well as applying advanced tools in specific situations.

The training mix lecturing sessions with hands-on exercises. Expect more theoretical material compared to the introduction training.

Duration: 2 days

Prerequisites: familiar with the basic concepts of modeFRONTIER.

Drive your designs from good to GREAT

Advanced solution strategies

- Highly constrained
- Mixed variable types
- Exploit known designs for restart

Metamodeling

- Concepts & theory
- Prediction accuracy
- Refinement strategies
- Physical experiments
- Computer experiments

Advanced post processing

- Multi-variate analysis (MVA)
- Self-organizing maps (SOM)
- Multi Criteria Decision Making (MCDM)

FOR MORE INFORMATION:

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