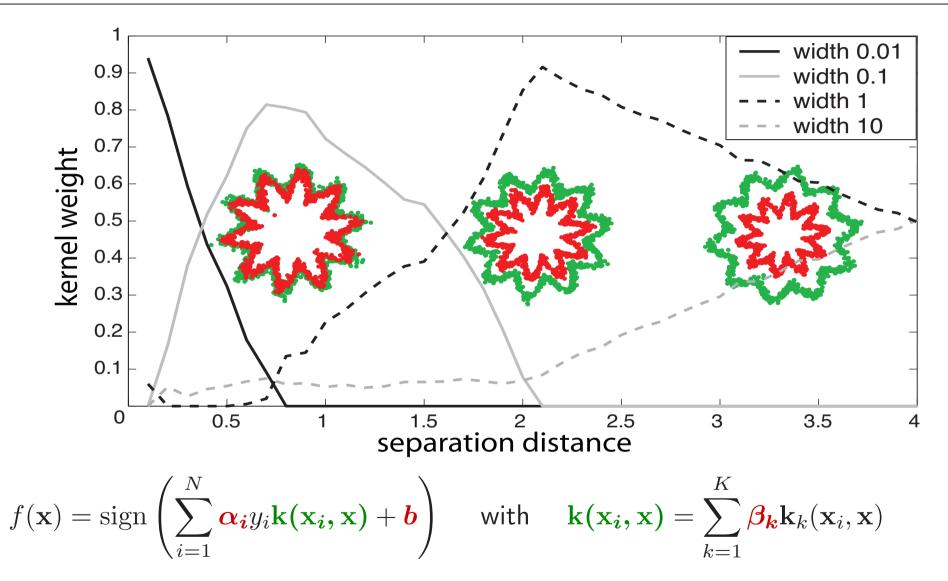


## A General and Efficient Multiple Kernel Learning Algorithm Sören Sonnenburg, Gunnar Rätsch, Christin Schäfer





Trick: Semi-Infinite Linear Programming



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## Why?

- Tool to interpret SVM Classifier
- Combine heterogeneous Data
- Automated Model Selection, Knowledge Discovery

## **Our contributions:**

- 1. Efficient implementation
  - applicable to datasets of size up to 1 million with few kernels and to datasets of size around 1000 with 400 kernels.
- 2. General formulation
  - for very different loss functions
  - on poster: classification, regression, one-class classification.