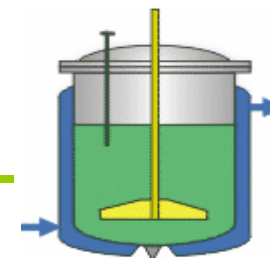


## Modification of the Rosenbrock-Method applied on process optimisation

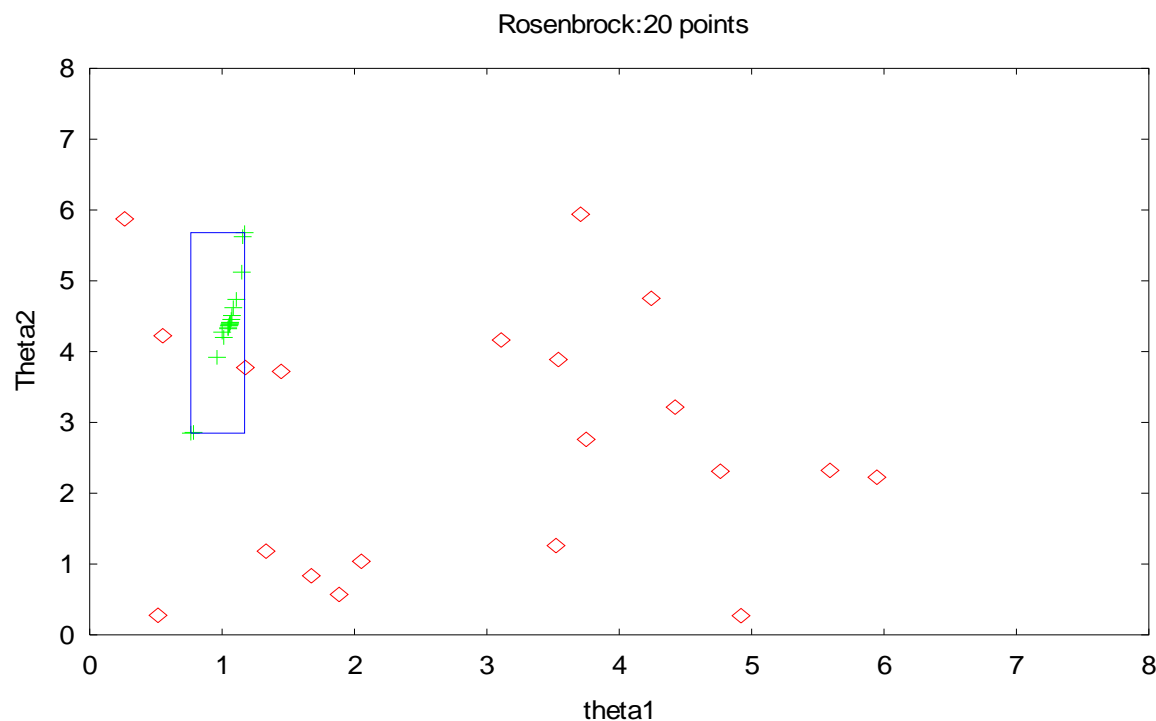
- Thomas Vielhaben
  - Eckehard Koch
- Freunde des Rührkesselreaktors

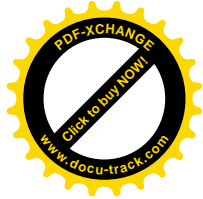


# Method

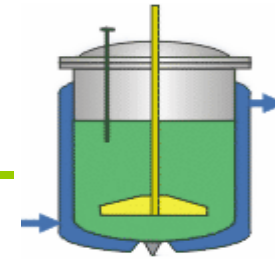


In the 3-dimensional rectangle  $[0; 8] \times [0; 8] \times [0; 8]$   
We create 20 starting points by random generator.  
For each of the starting points we calculate then final points by  
The Rosenbrock-Algorithm. The smallest rectangle in which the  
20 final points are situated is shown in the graph

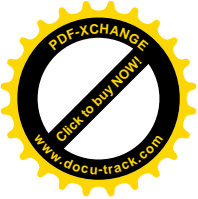




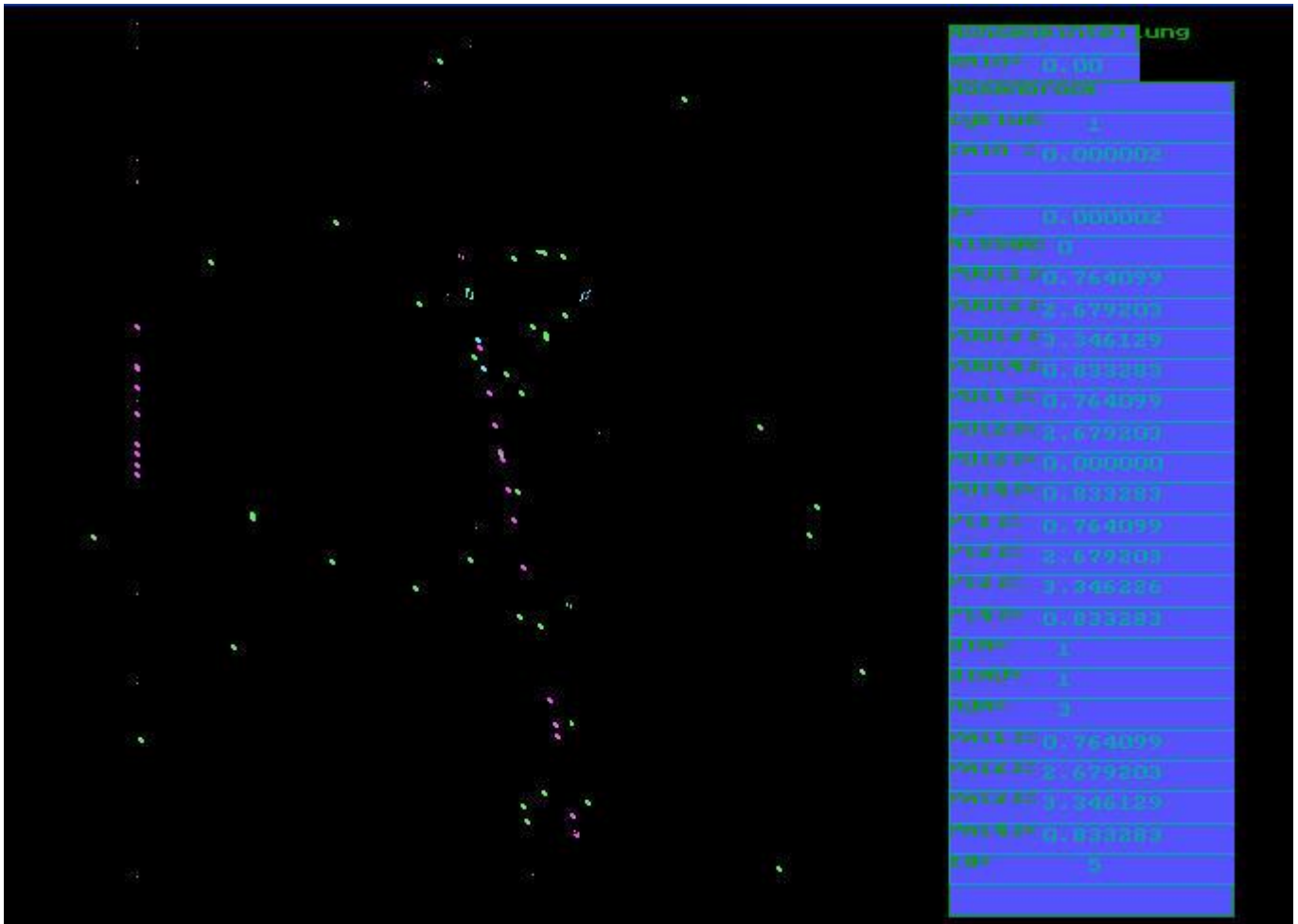
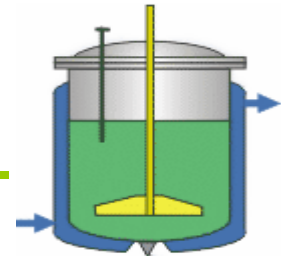
# Simulation



```
Free Pascal
0.1000 0.7641 2.6893 3.2955 0.8333 100.0000
0.0000 0.0042 0.0420 0.0000 0.0000 0.0000
3.0000 0.0037 0.0416 0.0003 0.0001 0.0000
```



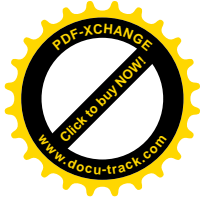
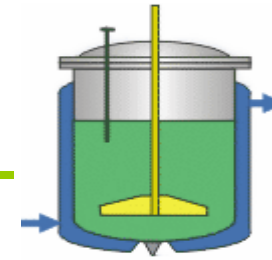
# Programm outputs



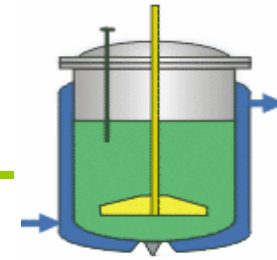
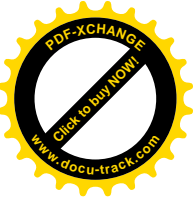


# Summerasation

---



- The modification is usefull



Vielen Dank!