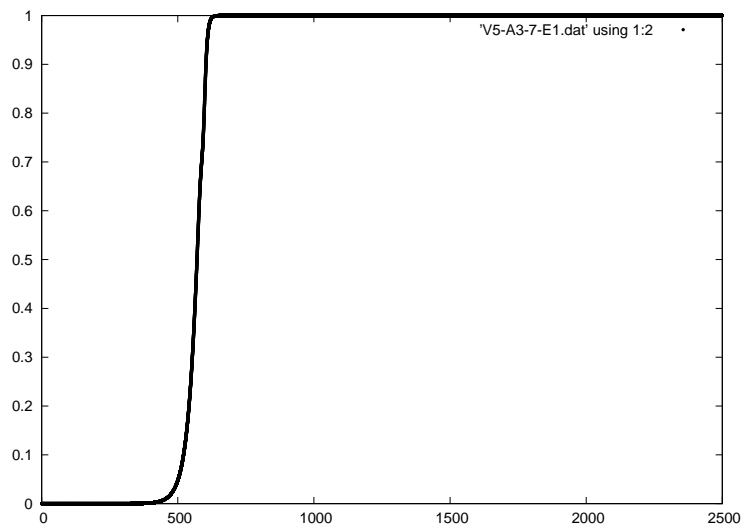**Vorlesung 5 10.05.2016**

Vorl4-A3-7.cpp

Shell session inside TeXmacs pid = 13978

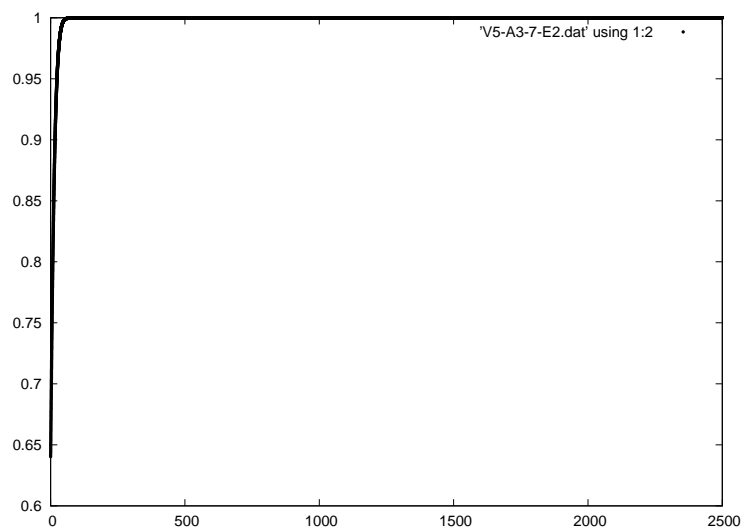Shell] g++ -o Vorl5-A3-7 Vorl5-A3-7.cpp && ./Vorl5-A3-7 > V5-A3-7-E3.dat

Shell]

This is a TeXmacs interface for GNUplot.
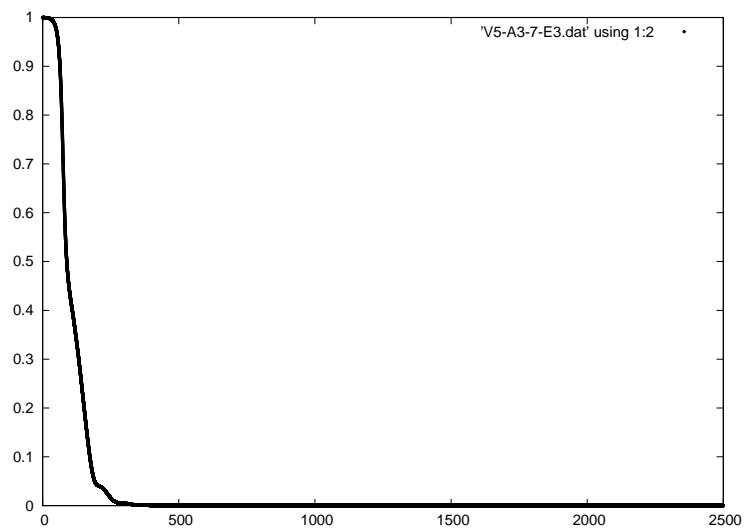
GNUplot] plot 'V5-A3-7-E1.dat' using 1:2 pt 7 ps 0.5; #beta = pi/2 , n =10, konz = 1, nsteps = 50000

GNUplot] plot 'V5-A3-7-E2.dat' using 1:2 pt 7 ps 0.5; #beta = pi/4, n =10, konz = 0.5, nsteps = 50000

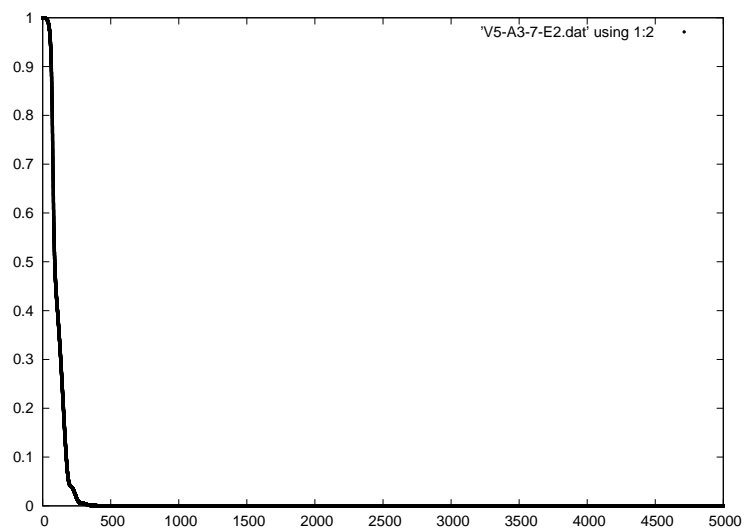GNUplot] plot 'V5-A3-7-E3.dat' using 1:2 pt 7 ps 0.5; #beta = pi/1.5, n =10, konz = 0.01, nsteps = 50000

Optimierung des Quellcodes auf Geschwindigkeit

```
Shell] g++ -o Vorl5-A3-7-opt Vorl5-A3-7-opt.cpp && ./Vorl5-A3-7-opt > V5-A3-7-
       E3.dat
Shell]

GNUplot] plot 'V5-A3-7-E3.dat' using 1:2 pt 7 ps 0.5
```