

Additional Material for Latex and gnuplot

Script file

```
#interactive plot
```

```
set terminal x11
set boxwidth 1
set tics in
set format y '%0.1e'
set xtics
set ytics
set title "gnuplot and latex"
set xlabel "$\beta_u^2$ values"
set ylabel "$\sigma_y^2$"
plot "data.txt" using 1:2 title 'Y1'
pause -1 'Press Enter to continue'
```

```
set ticslevel 0.5
set boxwidth 1
set format y '%0.2e'
set title "gnuplot-tex integration"
set xlabel "$\beta_u^2$ values"
set ylabel "$\sigma_y^2$"
plot "data.txt" using 1:3 title 'Y2'
pause -1 'Press Enter to continue'
```

```
#latex output file
```

```
set term latex
set output "gnuplot.tex"
set xlabel "$\beta_u^2$"
set ylabel "$\sigma_y^2$"
plot "data.txt" using 1:2 title 'Y1' , "data.txt" using 1:3 title 'Y2' with
linespoint lc 'blue' lw 2 pt 7 ps 1.5
pause 3 'Now tex file is generated'
```

```
reset
```

```
bgnuplot.tex
```

```
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```

```
\documentclass{article}
\usepackage{color}
\setlength{\textwidth}{100cm}
\setlength{\textheight}{100cm}
\begin{document}
\pagestyle{empty}
\input{gnuplot.tex}
\end{document}
```