

1	pgfplotstest.file.tex	9
1.1	`plot file' test	9
1.1.1	A file in gnuplot format 'num num i'	9
1.1.1.1	Same file loaded with `plot table'	9
1.1.2	A file which differs slightly from gnuplot format	10
1.1.3	A file which starts with newlines	10
1.1.3.1	Same file loaded with `plot table'	10
1.1.3.2	testing space gobbling in 'plot file' command	11
1.2	`plot table' test	12
1.2.1	Plot by column `dof' versus column `Lmax'	12
1.2.2	Plot by column 2 versus column 3	12
1.2.3	Plot by preloaded tables	13
1.2.4	a table which has no column names	13
2	pgfplotstest.function.tex	14
2.1	`plot function' test	14
2.1.1	sin(x)	14
2.1.2	exp(x)	14
2.1.2.1	linear	14
2.1.2.2	semilogy	15
3	pgfplotstest.expr.tex	16
3.1	`plot expression' test	16
3.1.1	sin(x)	16
3.1.2	x^2	16
4	pgfplotstest.axispath.tex	17
4.1	Testing path commands inside of axis	17
4.1.1	log plot	17
4.1.2	Linear plot	17
4.2	Checking plot expression	18

5	pgfplotstest.axislines.tex	19
5.1	Axislines placement	19
5.1.1	tick align=outside	19
5.1.2	axis y line/ axis x line	19
5.1.3	axis [xy] line/ tick align/ y discontinuity	20
5.1.4	axis [xy] line/ tick align/ x discontinuity	22
5.1.5	axis y discontinuity	25
6	pgfplotstest.axislines.3d.tex	26
6.1	Boxed	26
6.2	axis lines=left	26
6.3	axis lines=right	27
6.4	axis lines=middle,axis on top	27
6.5	Only axis x line=middle	28
6.6	3d box=complete	29
6.6.1	grid lines	29
6.6.2	grid lines und completeSTAR	30
6.6.3	grid lines und completeSTAR und styles	30
7	pgfplotstest.scaling.tex	31
7.1	Standard placement normal plot	31
7.2	Scaling tests	31
7.2.1	width=5cm	31
7.2.2	height=3cm	31
7.2.3	x=3cm	31
7.2.4	x=3cm, y=4cm	32
7.2.5	y=3cm	32
7.2.6	Scale vs. Datascale trafo	33
7.2.7	Testing numeric artefacts around tick position `0`	33
7.3	Scaling log plots	35
7.4	Scaletest	36
7.5	Scaling test for very small or very large x values	36

7.5.1	1e-2	36
7.5.2	1e+2	37
7.5.3	x=1e+11; y=1e-6	37
7.5.4	1e+1	38
7.5.5	1e+3	38
7.5.6	1e+4	39
7.5.7	1e-2, 1e+4	39
8	pgfplotstest.ticks.tex	40
8.1	Minor ticks	40
8.2	Tick placement	41
8.2.1	xtick=data	42
8.2.1.1	ytick=data	43
8.2.2	ticks on axis rectangle	44
8.2.3	modified labels	44
8.3	Tick label assignment tests	45
8.3.1	Using xticklabel and xtick	45
8.3.2	Using xticklabels	46
8.3.3	With xtick labels and commas by hand	46
8.3.4	Only with auto number formatting options; different for x and y	47
8.3.5	Using yticklabels in logplot	47
8.4	Tick/Tick-Label placement log plots	48
8.4.1	ytickten	48
8.4.2	ytick	48
8.4.3	extra y ticks	49
8.4.4	extra y ticks and formatted label	49
8.4.5	extra x and y ticks, linear plot	50

9	pgfplotstest.enlargelimits.tex	51
9.1	Limit computation	51
9.1.1	User specified limits	51
9.1.1.1	linear plot, unconstraint	51
9.1.1.2	linear plot, limited to $x \in [-20, 20]$	51
9.1.1.3	linear plot, limited to $y \in [-12000, 800]$	52
9.1.1.4	linear plot, limited to $x \in [-20, 20]; y \in [-12000, 800]$	52
9.1.1.5	linear plot, limited to empty x -range	53
9.1.2	Log plots	53
9.1.2.1	log plot unconstraint	53
9.1.2.2	log plot limited to $x \in [10^3, 5 \cdot 10^5]$	54
9.1.2.3	log plot limited to $y \in [10^{-5}, 2 \cdot 10^{-3}]$	54
9.1.3	Enlargelimits tests	55
9.1.3.1	enlargelimits=false, x limits provided	55
9.1.3.2	enlargelimits=false, no limits provided	55
9.1.3.3	enlargelimits=true, all limits provided $[-1, 1] \times [-1, 1]$	56
9.1.3.4	enlargelimits=0.5	56
10	pgfplotstest.logplotenv.tex	57
10.1	Default options log plot	57
10.1.1	Default size	57
10.1.2	Small size	57
10.1.3	Very small size	58
10.1.4	Large size	58
10.1.5	Large size; large range	59
10.1.6	Extremely small y range for log plot	59
10.1.6.1	Without extra ticks, enlargelimits=false	59
10.1.6.2	With extra ticks, enlargelimits=false	60
10.2	Semilogy plot	60
10.3	Semilogx plot	61
10.3.1	Extra ticks	61

11	pgfplotstest.3d.tex	63
11.1	View	63
11.1.1	Test von YAW	63
11.1.1.1	für $\{0\}\{50\}$:	63
11.1.1.2	für $\{30\}\{50\}$:	63
11.1.1.3	für $\{50\}\{50\}$:	64
11.1.1.4	für $\{80\}\{50\}$:	64
11.1.1.5	für $\{120\}\{50\}$:	65
11.1.1.6	für $\{180\}\{50\}$:	65
11.1.1.7	für $\{200\}\{50\}$:	66
11.1.1.8	für $\{240\}\{50\}$:	66
11.1.1.9	für $\{260\}\{50\}$:	67
11.1.1.10	für $\{300\}\{50\}$:	67
11.1.1.11	für $\{350\}\{50\}$:	68
11.1.2	Test von PITCH	68
11.1.2.1	für $\{-30\}\{0\}$:	68
11.1.2.2	für $\{-30\}\{30\}$:	69
11.1.2.3	für $\{-30\}\{50\}$:	69
11.1.2.4	für $\{-30\}\{80\}$:	70
11.1.2.5	für $\{-30\}\{90\}$:	70
11.1.2.6	für $\{-30\}\{-90\}$:	71
11.1.2.7	für $\{-30\}\{-80\}$:	71
11.1.2.8	für $\{-30\}\{-50\}$:	72
11.1.2.9	für $\{-30\}\{-30\}$:	72
11.1.2.10	für $\{-30\}\{0\}$:	73
11.1.2.11	Special case view=0,0	73
11.1.2.12	Special case view=90,0	74
11.1.2.13	Special case view=-90,0	74
11.1.2.14	Special case view=0,90	75
11.1.2.15	Special case view=0,-90	75
11.1.2.16	Special case view=90,90	76

11.2	Tests and Debugging of near ticklabel anchors	76
11.2.1	Placement of ticklabels	80
11.2.1.1	mit xticklabel shift=5pt	81
11.3	Sanity checking	82
11.3.1	addplot in 3D axis	82
11.3.2	addplot and addplot3 in an axis	82
11.3.3	addplot and addplot3 in an axis	83
12	pgfplotstest.hansmeine_app.tex	84
12.1	Application example of Hans Meine	84
12.1.1	With plot file	84
12.1.2	With plot file and restricted bounding box	85
13	pgfplotstest.legend.tex	86
13.1	Legends	86
13.1.1	Old-format legends with two backslashes as separator	86
13.1.2	Using comma-separated-legends	86
13.1.3	testing legend columns	87
13.1.4	``legend plot pos'' options	89
14	pgfplotstest.misc.tex	91
14.1	Paths after addplot	91
14.1.1	plot coordinates	91
14.1.1.1	without space after 'coordinates'	91
14.1.1.2	with space after 'coordinates'	91
14.1.1.3	using closedcycle path	92
14.1.2	plot table	92
14.1.3	plot function	93
14.2	Title-option	93
14.3	Filter test	94
14.4	Test for addplot+[...]	95
14.5	Hide axis test	96
14.6	disabledatascaling / disablelogfilter	97

14.6.1	disabledatascaling	97
14.6.2	disabledatascaling + explicit limits	97
14.6.3	disabledatascaling + explicit limits + error bars	98
15	pgfplotstest.align.tex	99
15.1	Anchors, alignment, baselines, sub nodes	99
15.1.1	Baseline alignment	99
15.1.2	Baseline alignment and externalized graphics	99
15.1.3	Baseline alignment and externalized graphics II	100
15.1.4	Horizontal and Vertical alignment	100
15.1.5	Anchortest	101
15.1.6	Accessing sub-nodes	108
15.1.7	Funny bounding boxes	109
15.1.7.1	(my plot.below south west) rectangle (my plot.above north east)	109
16	pgfplotstest.gridtick.tex	110
16.1	Grid lines test	110
16.2	Tick lines test	112
16.3	TikZ-coordinate system ``axis''	113
17	pgfplotstest.styles.tex	115
17.1	Style-tests	115
17.1.1	Limits in `every axis'; `cycle list' option and `cycle list name' option	115
17.1.2	testing `every loglog axis' style	115
17.1.3	Using several `every ...' styles	116
17.1.4	Using the `style=' option	116
17.1.5	legend style, grid style, x label style etc. options	117
17.1.6	Providing TikZ-options to either tikzpicture or axis	117
17.1.7	Collecting many options together	119
17.1.7.1	Putting the same options into a style...	119
17.1.8	Line width	120
17.1.8.1	2pt global	120
17.1.8.2	2pt in every axis	120

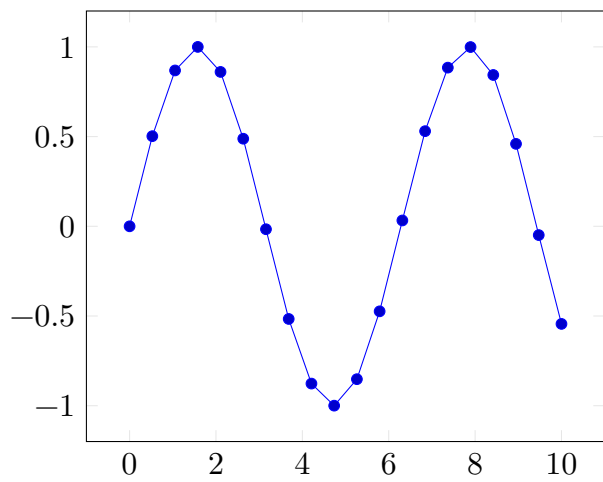
18	pgfplotstest.errorbars.tex	121
18.1	Errorbars	121
18.1.1	changing styles	121
18.1.2	using 100% minus	122
18.1.3	with plot table	122
18.1.1	Log-plot	123
18.1.1.1	relative errors	123
18.1.1.2	x fixed=500, y explicit relative	123
18.1.1.3	with plot table	124
18.1.1.4	with plot table absolute	124
19	pgfplotstest.plottypes.tex	125
19.1	Stacked plots	125
19.1.1	stack y, sharp plot	125
19.1.1.1	with closedcycle	125
19.1.1.2	with closedcycle and const plots	126
19.1.2	stack y, ybar	127
19.1.3	stack y, ybar, minus	127
19.1.4	stack x, sharp plot [not useful]	128
19.1.5	stack x, xbar	128
19.1.6	stack x, xbar, minus	129
19.2	Bar diagrams	130
19.2.1	Interval bar handlers	130
19.3	const plot	131
19.4	const plot mark right	132
19.5	jump mark right	132
19.6	jump mark left	133

WARNING: This file is merely a copy-pasted version of the latex tests. It suffices to check whether the context version compiles and does roughly what is expected. The reference test is, however, only available for latex!

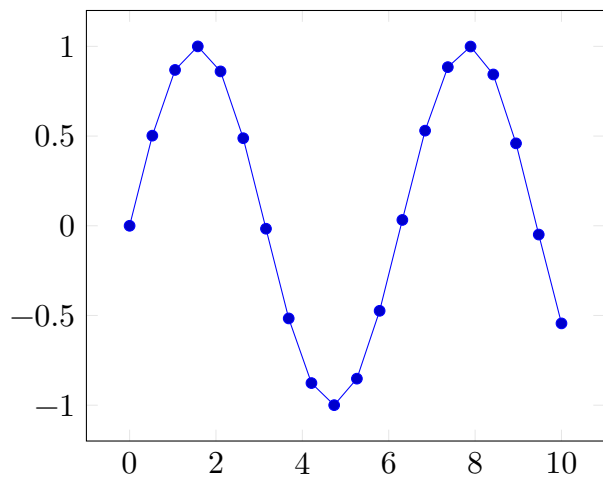
1 pgfplotstest.file.tex

1.1 `plot file' test

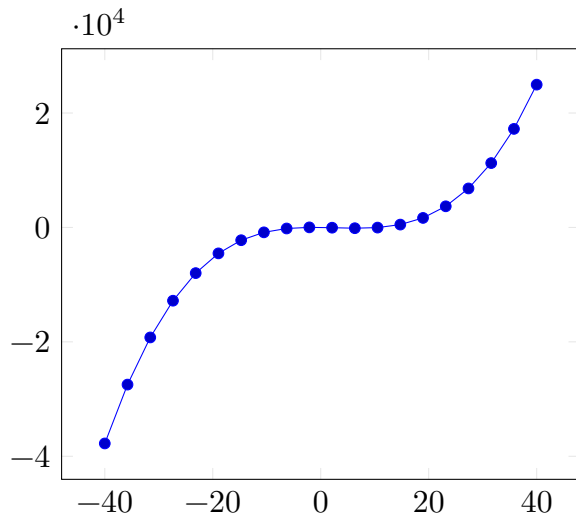
1.1.1 A file in gnuplot format 'num num i'



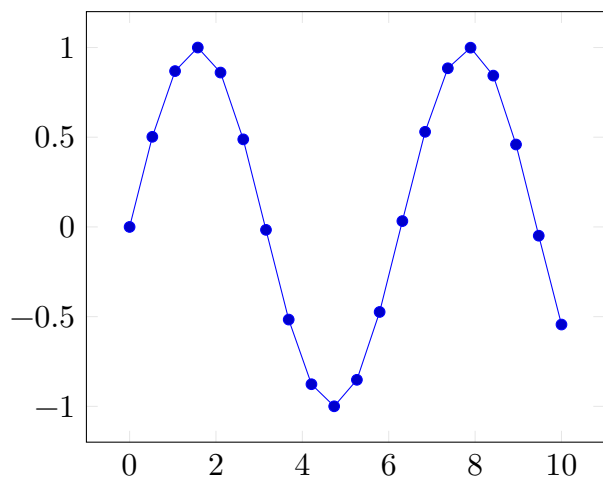
1.1.1.1 Same file loaded with `plot table'



1.1.2 A file which differs slightly from gnuplot format

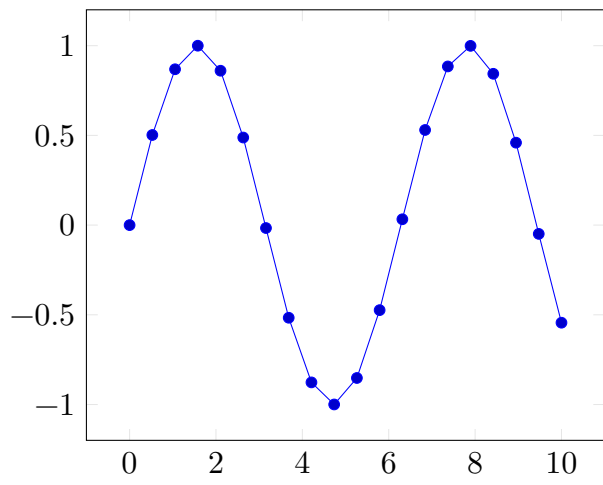


1.1.3 A file which starts with newlines

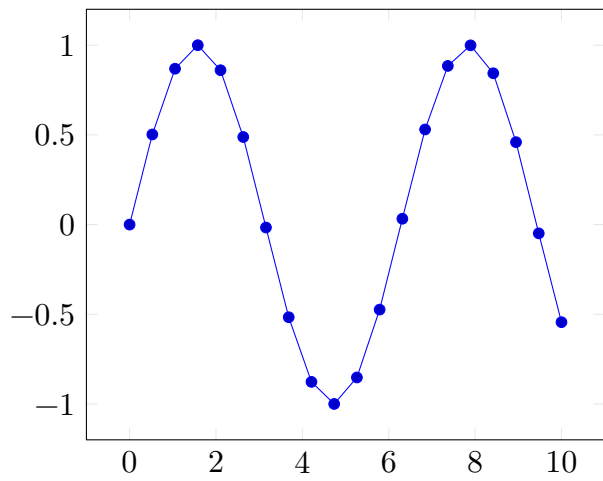


1.1.3.1 Same file loaded with 'plot table'

The first data point should have been identified as column name.

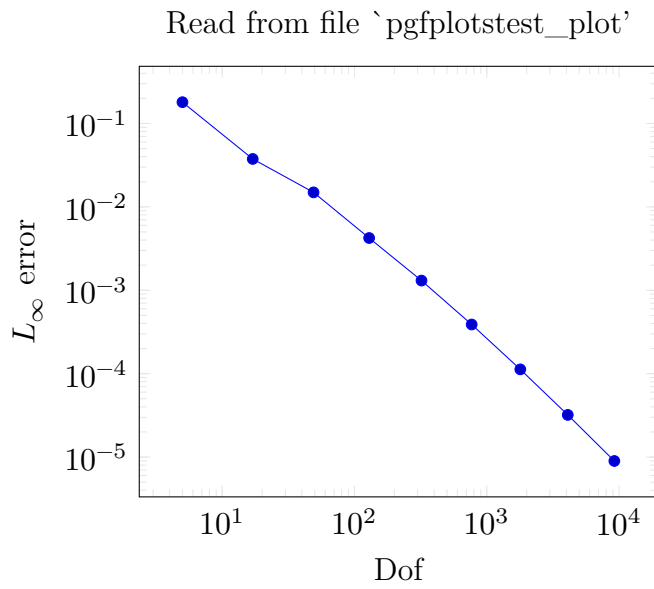


1.1.3.2 testing space gobbling in 'plot file' command

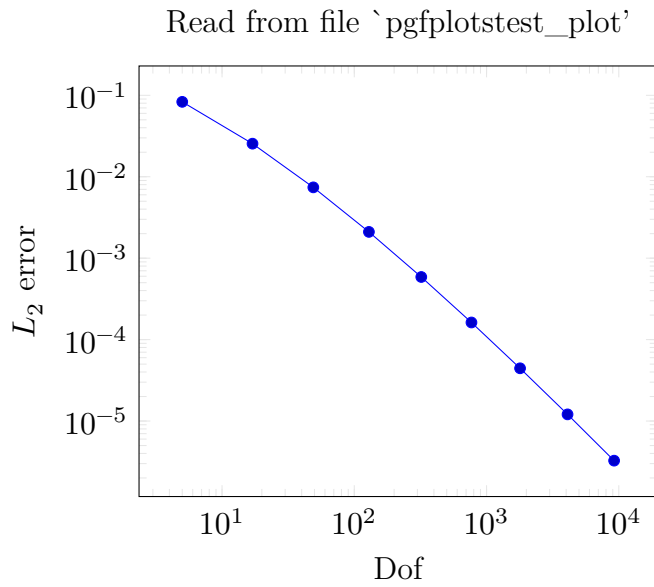


1.2 'plot table' test

1.2.1 Plot by column 'dof' versus column 'Lmax'

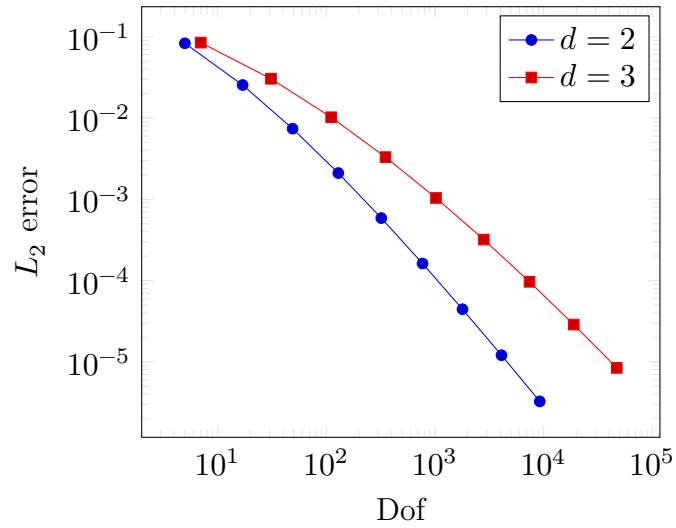


1.2.2 Plot by column 2 versus column 3



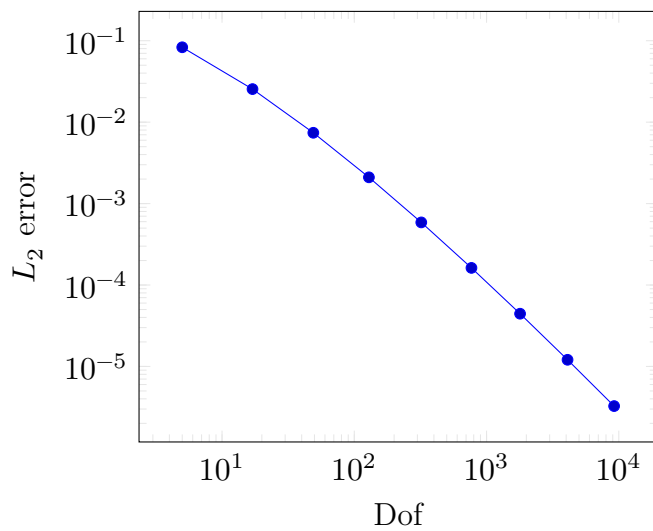
1.2.3 Plot by preloaded tables

Read from file `pgfplotstest_plot` and `pgfplotstest_plot3`



1.2.4 a table which has no column names

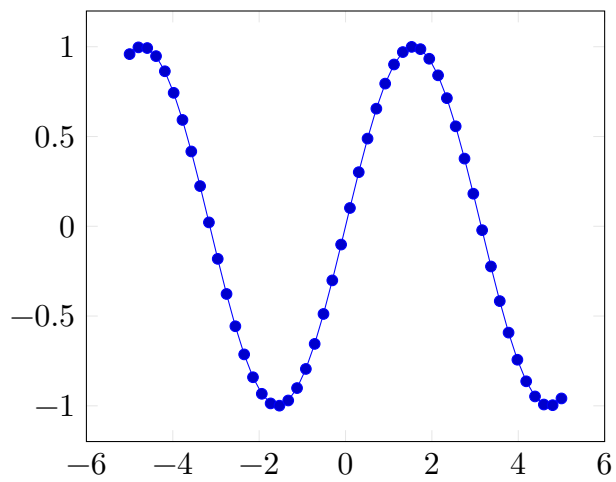
Read from file `pgfplotstest_plotnocolnames`



2 pgfplotstest.function.tex

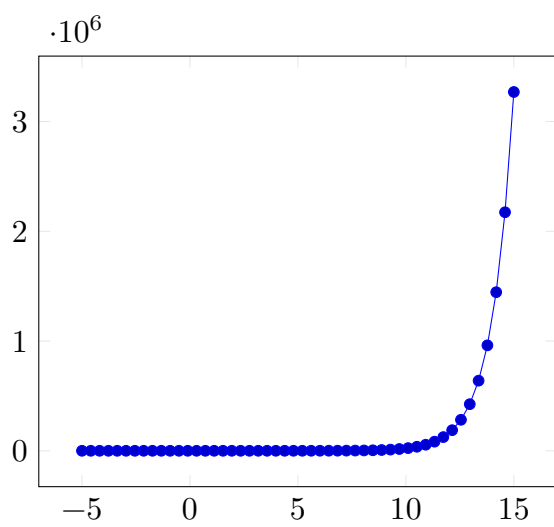
2.1 'plot function' test

2.1.1 $\sin(x)$

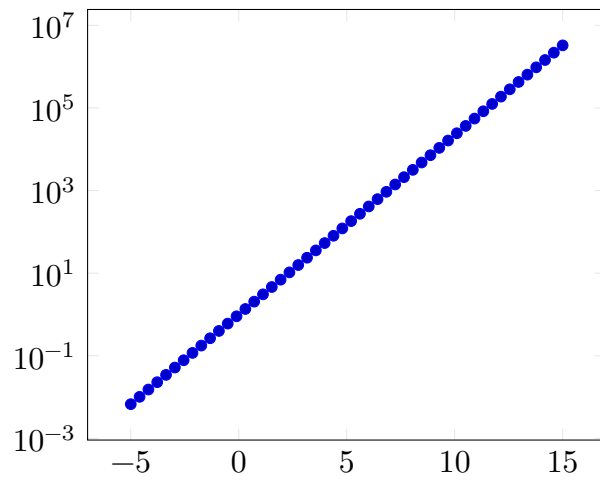


2.1.2 $\exp(x)$

2.1.2.1 linear



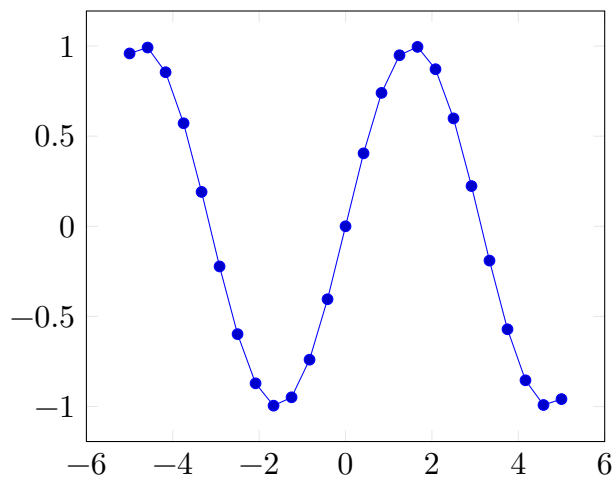
2.1.2.2 semilogy



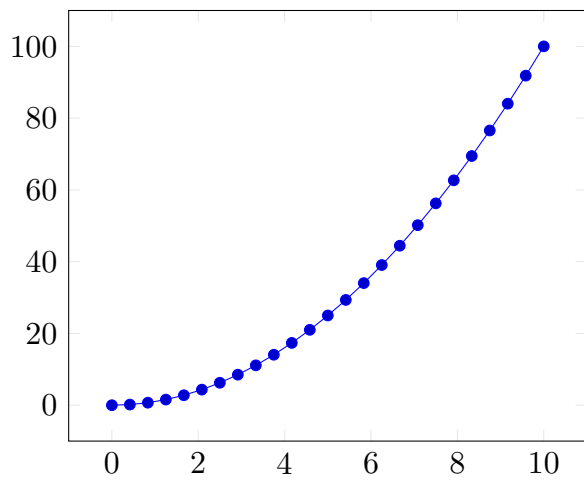
3 pgfplotstest.expr.tex

3.1 'plot expression' test

3.1.1 $\sin(x)$



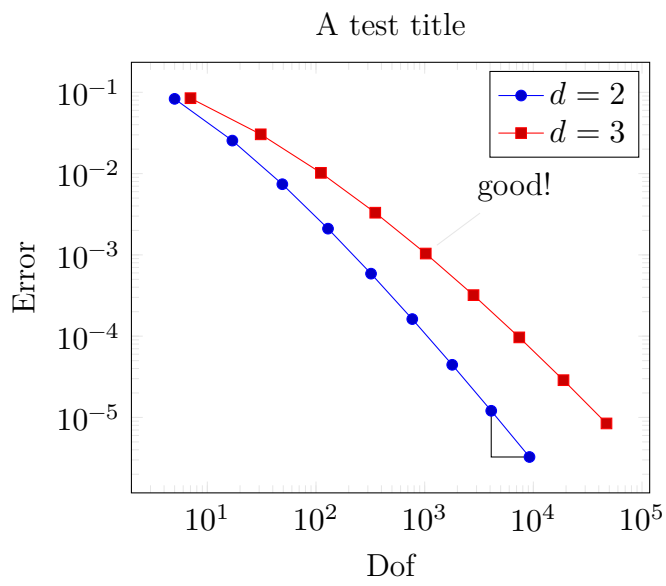
3.1.2 x^2



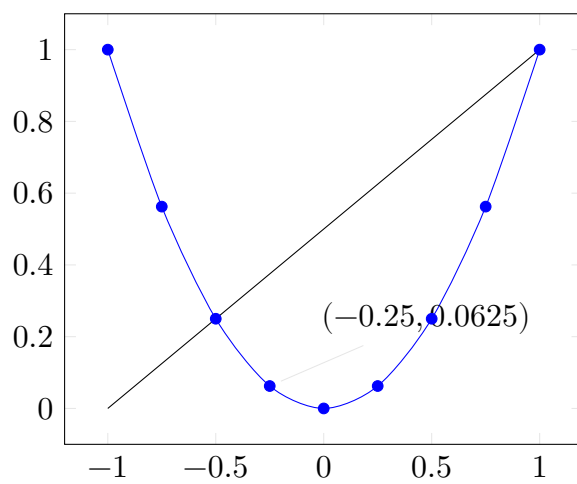
4 pgfplotstest.axispath.tex

4.1 Testing path commands inside of axis

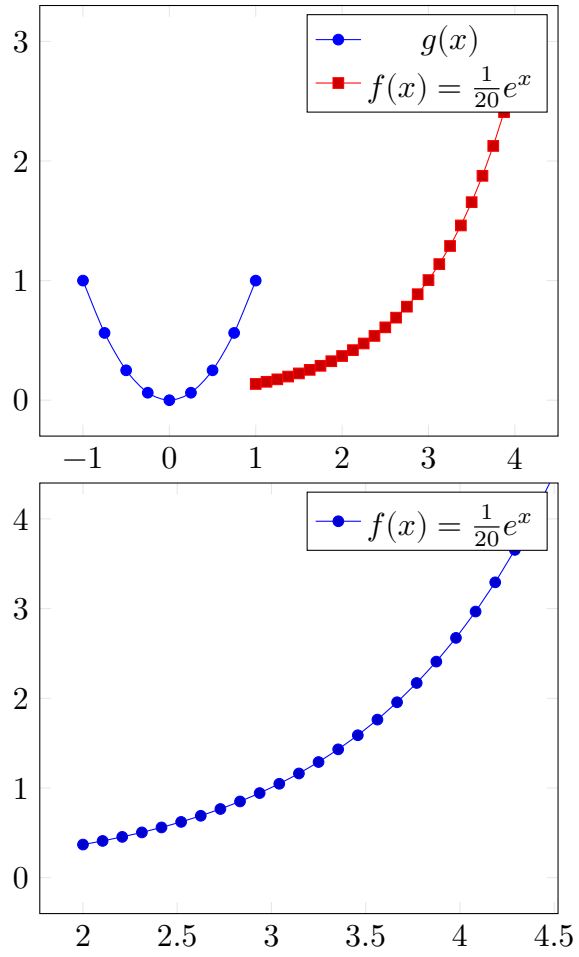
4.1.1 log plot



4.1.2 Linear plot



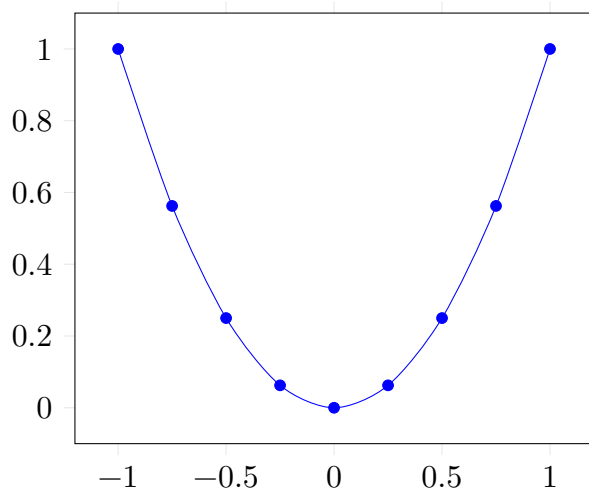
4.2 Checking plot expression



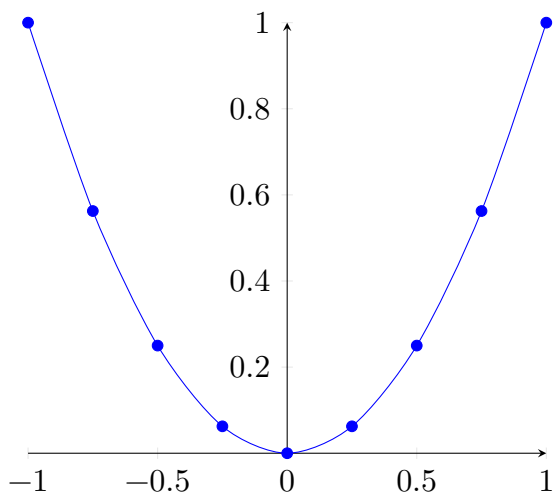
5 pgfplotstest.axislines.tex

5.1 Axislines placement

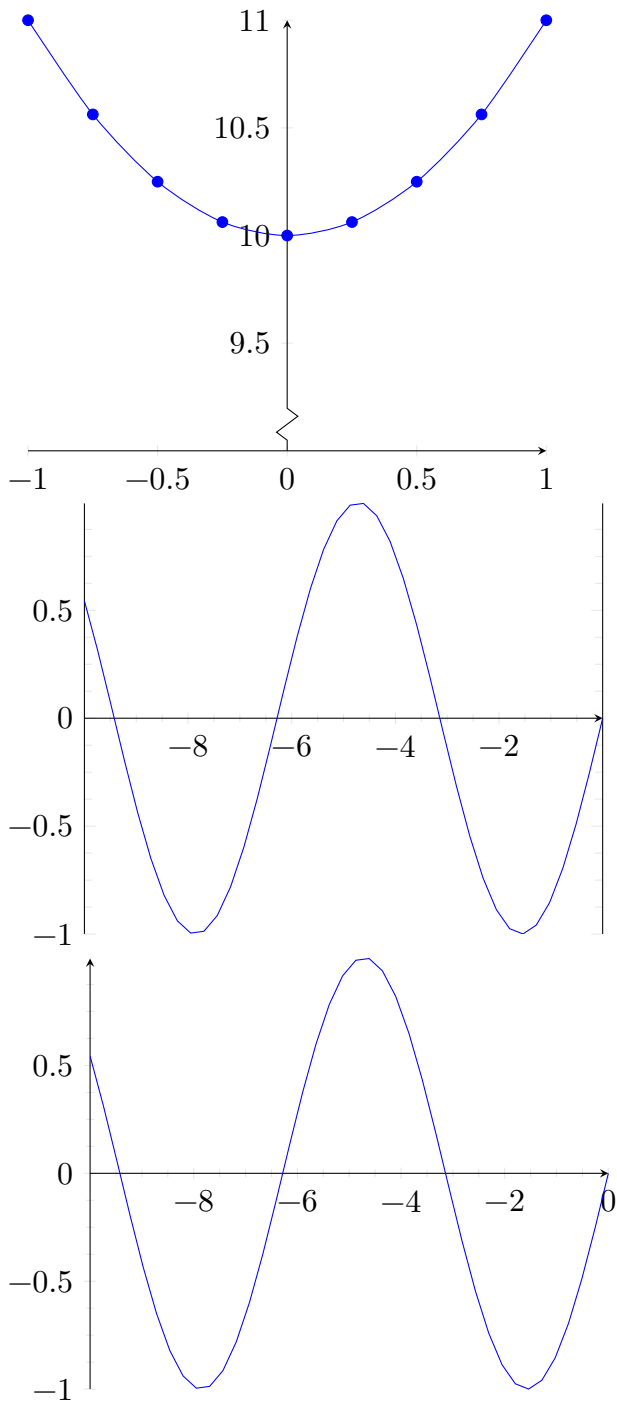
5.1.1 tick align=outside

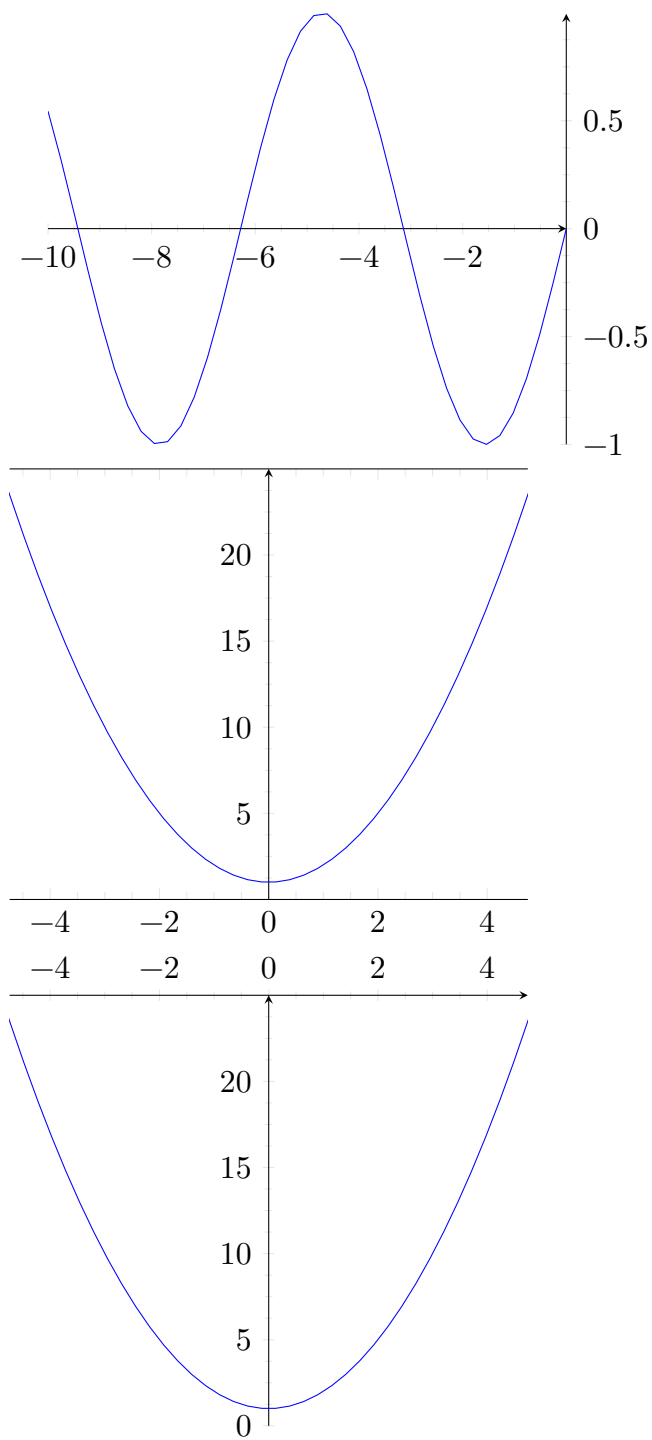


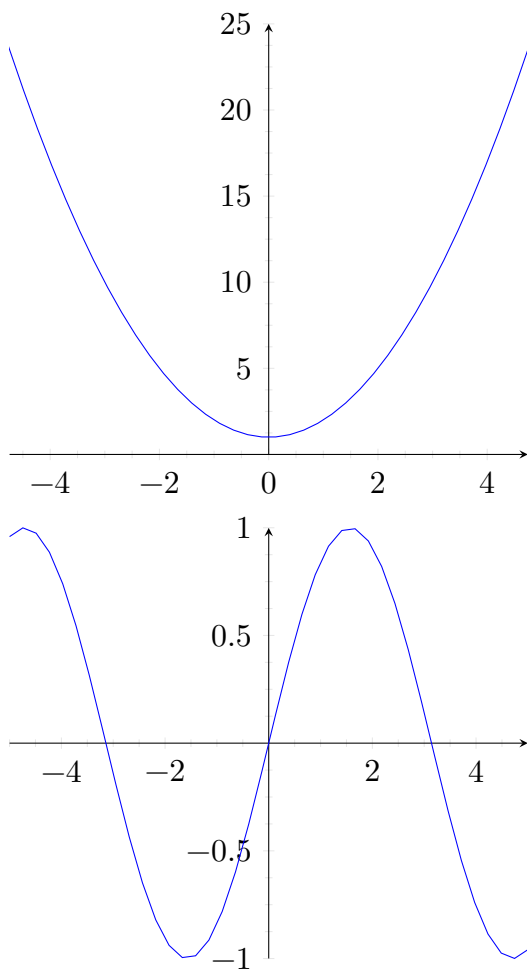
5.1.2 axis y line/ axis x line



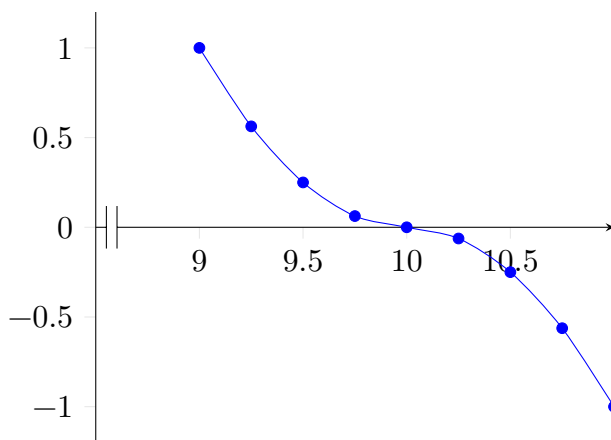
5.1.3 axis [xy] line/ tick align/ y discontinuity

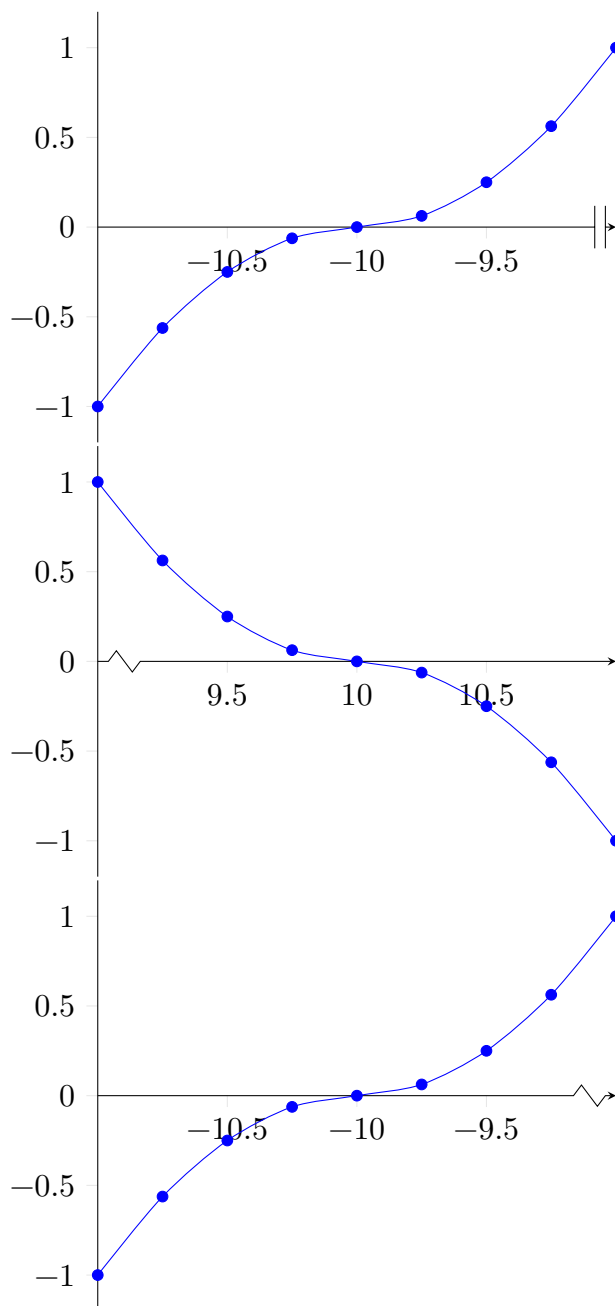


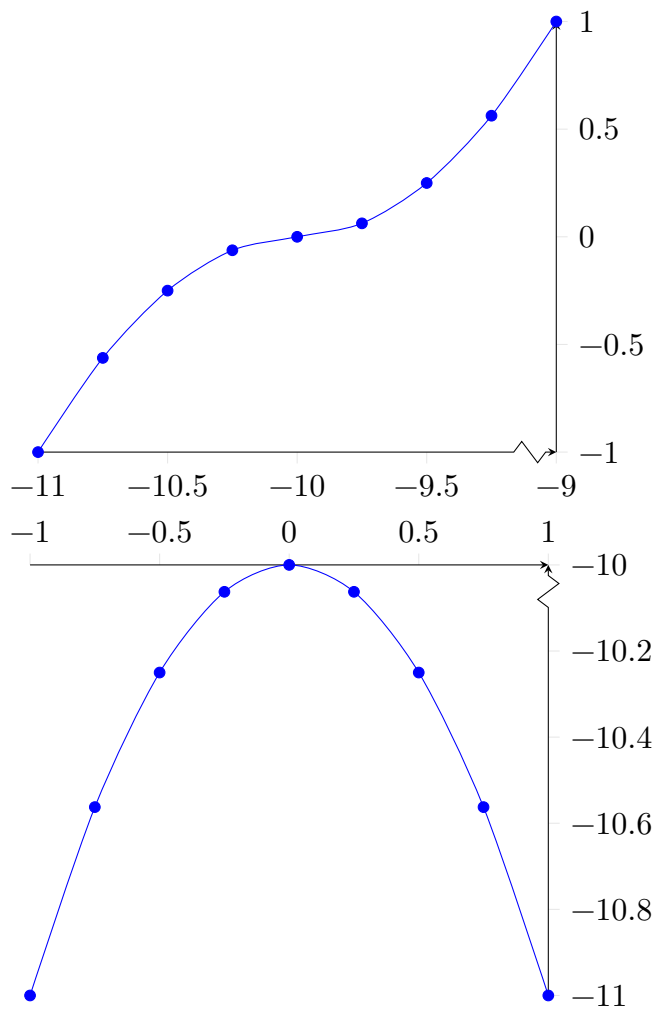




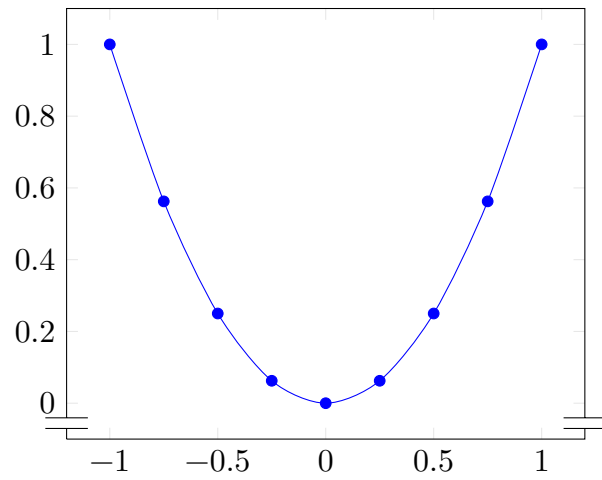
5.1.4 axis [xy] line/ tick align/ x discont





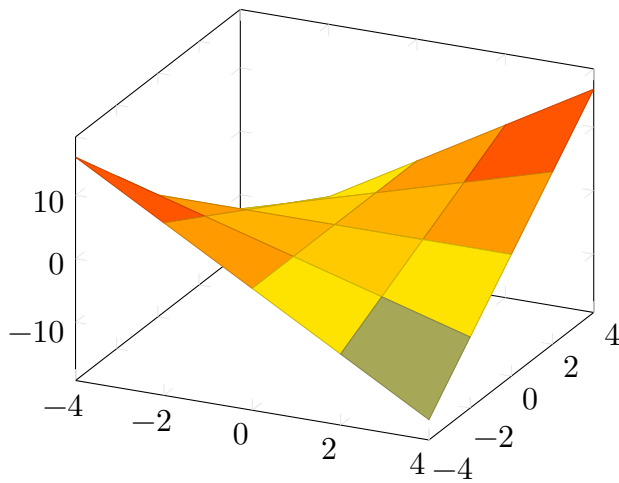


5.1.5 axis y discontinuity

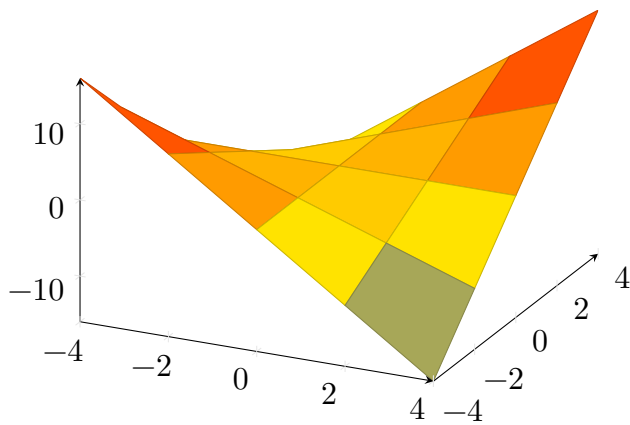


6 pgfplotstest.axislines.3d.tex

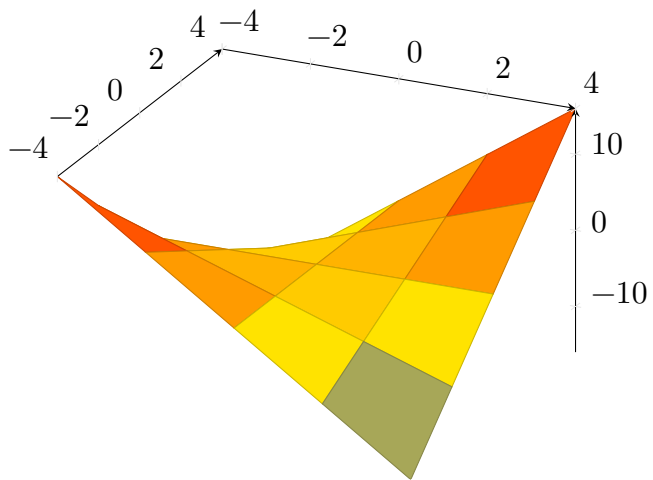
6.1 Boxed



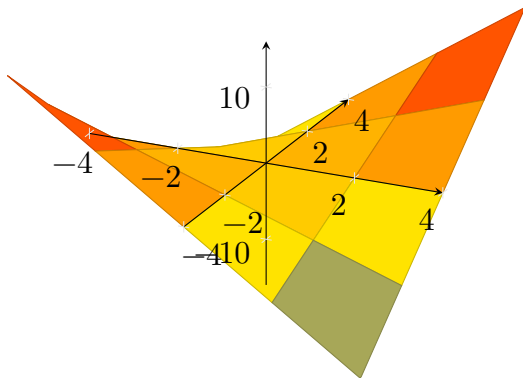
6.2 axis lines=left



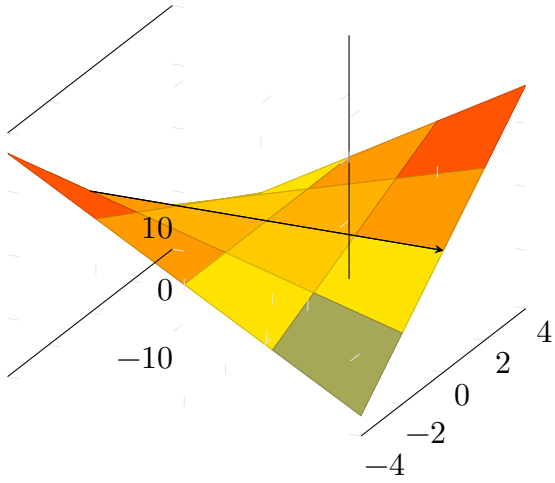
6.3 axis lines=right



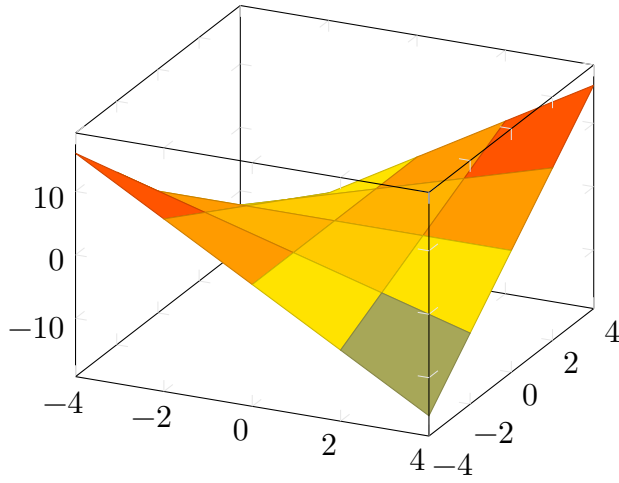
6.4 axis lines=middle,axis on top



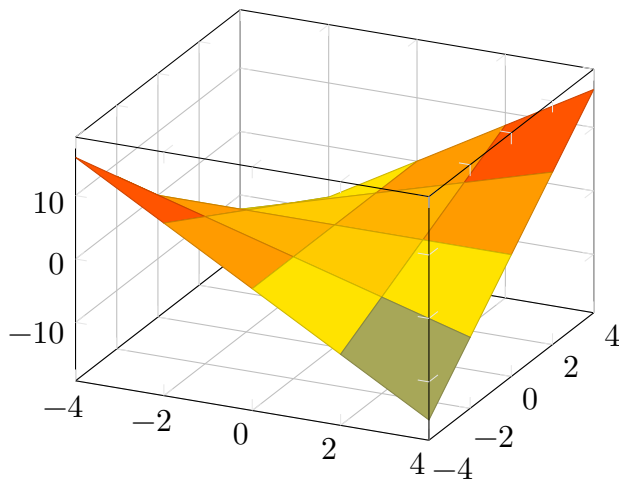
6.5 Only axis x line=middle



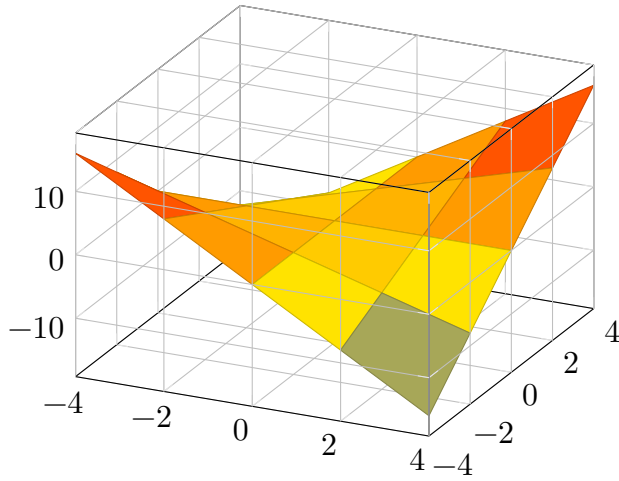
6.6 3d box=complete



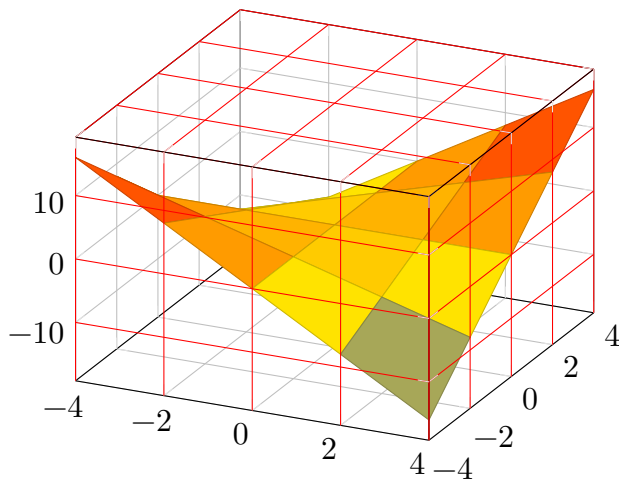
6.6.1 grid lines



6.6.2 grid lines und completeSTAR

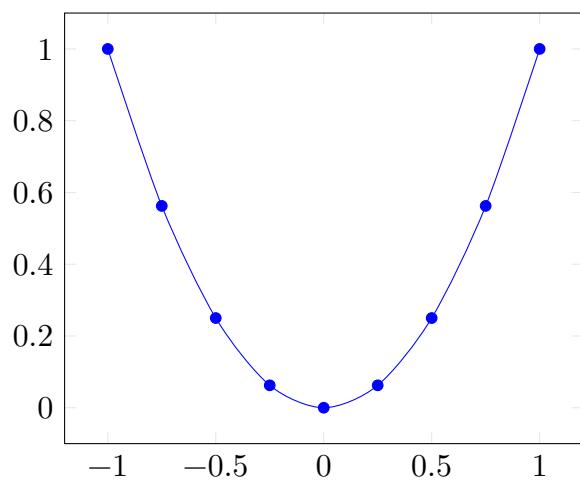


6.6.3 grid lines und completeSTAR und styles



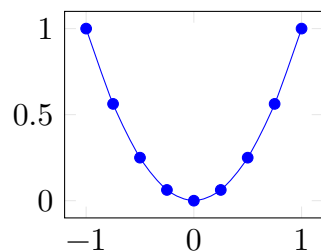
7 pgfplotstest.scaling.tex

7.1 Standard placement normal plot

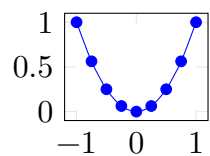


7.2 Scaling tests

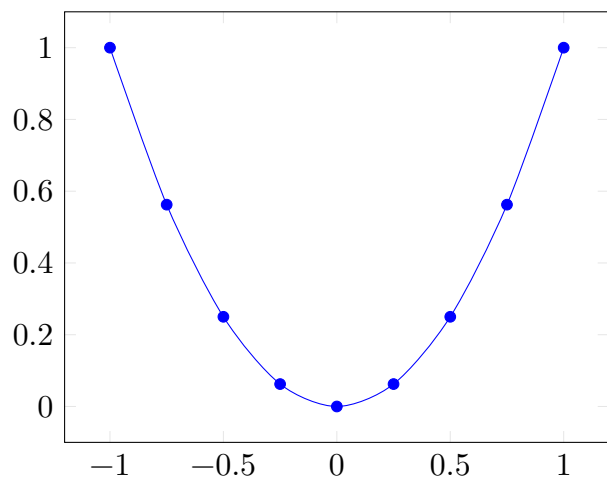
7.2.1 width=5cm



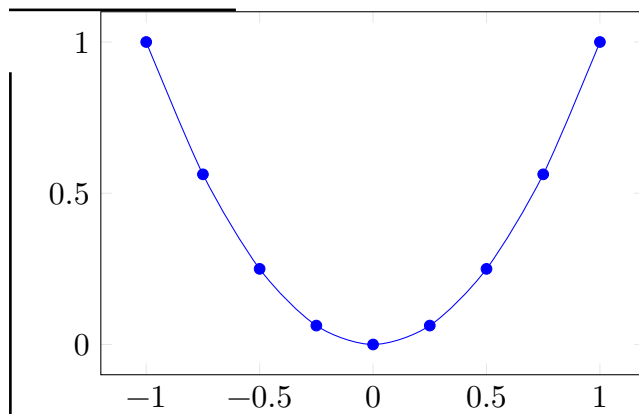
7.2.2 height=3cm



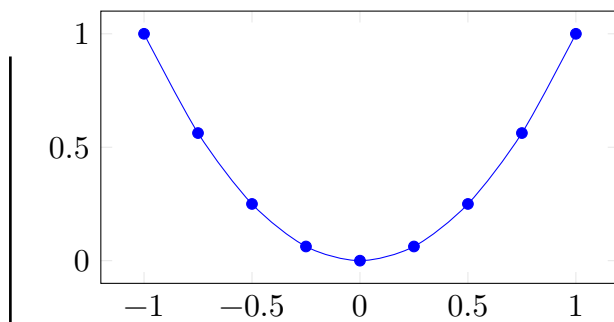
7.2.3 x=3cm



7.2.4 $x=3\text{cm}$, $y=4\text{cm}$



7.2.5 $y=3\text{cm}$



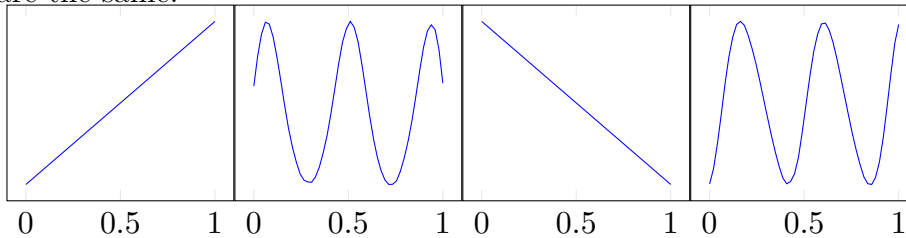
7.2.6 Scale vs. Datascale trafo

All should have the same size; especially the same height. This tests the data scale transformation and rounding inaccuracies during the computation of x and y unit vectors,

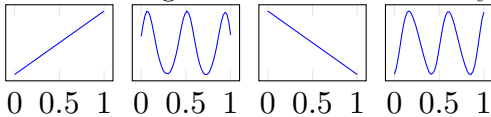
$$x = \frac{W}{T(\bar{x}) - T(\underline{x})}.$$

The larger x , the higher the scaling accuracy. Large x means small $T(\bar{x}) - T(\underline{x})$ (relative to width W). But this implies low accuracy for the input data! And nobody wants inaccurate plots.

The datascale transformation T is set up such that $O(W) = O(x)$, but I am not sure if I need to adjust some parameters. Some parameters lead to inaccurate x and y vectors, such that axis sizes are not the same although W and H (width and height) are the same.

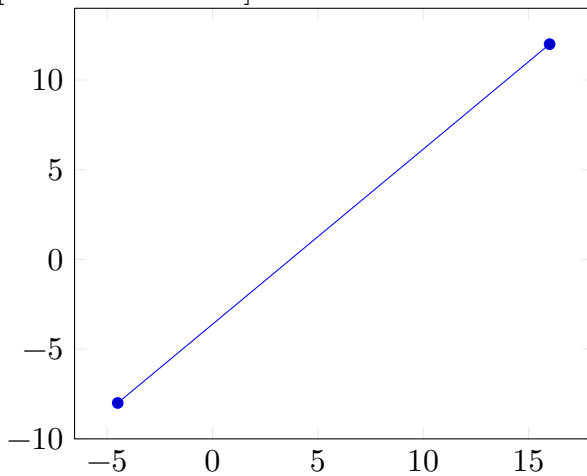


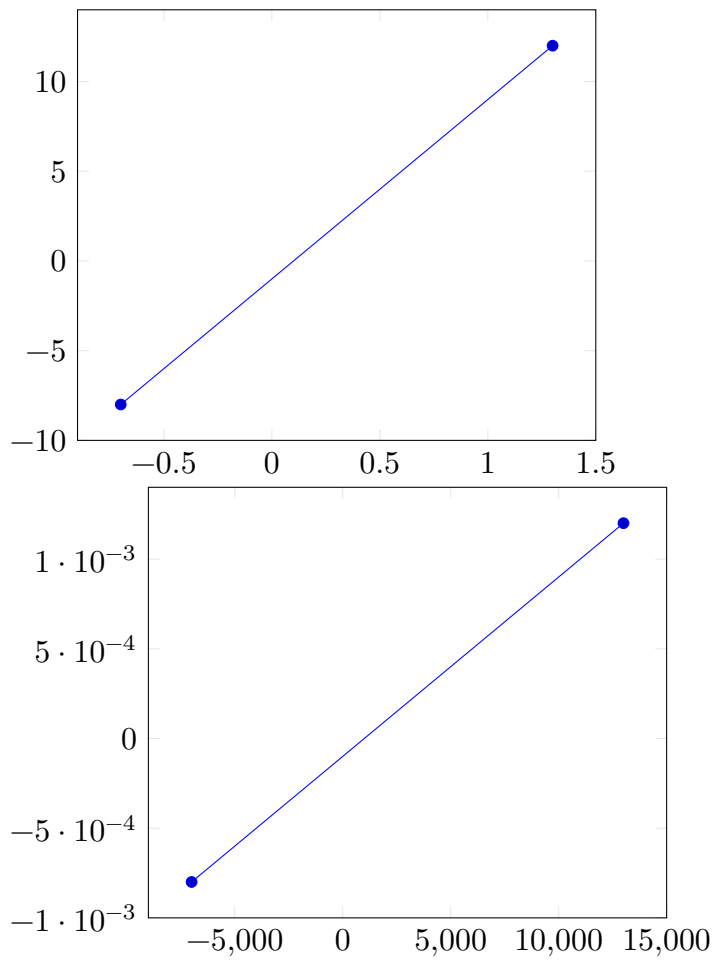
once more again without 'scale only axis':



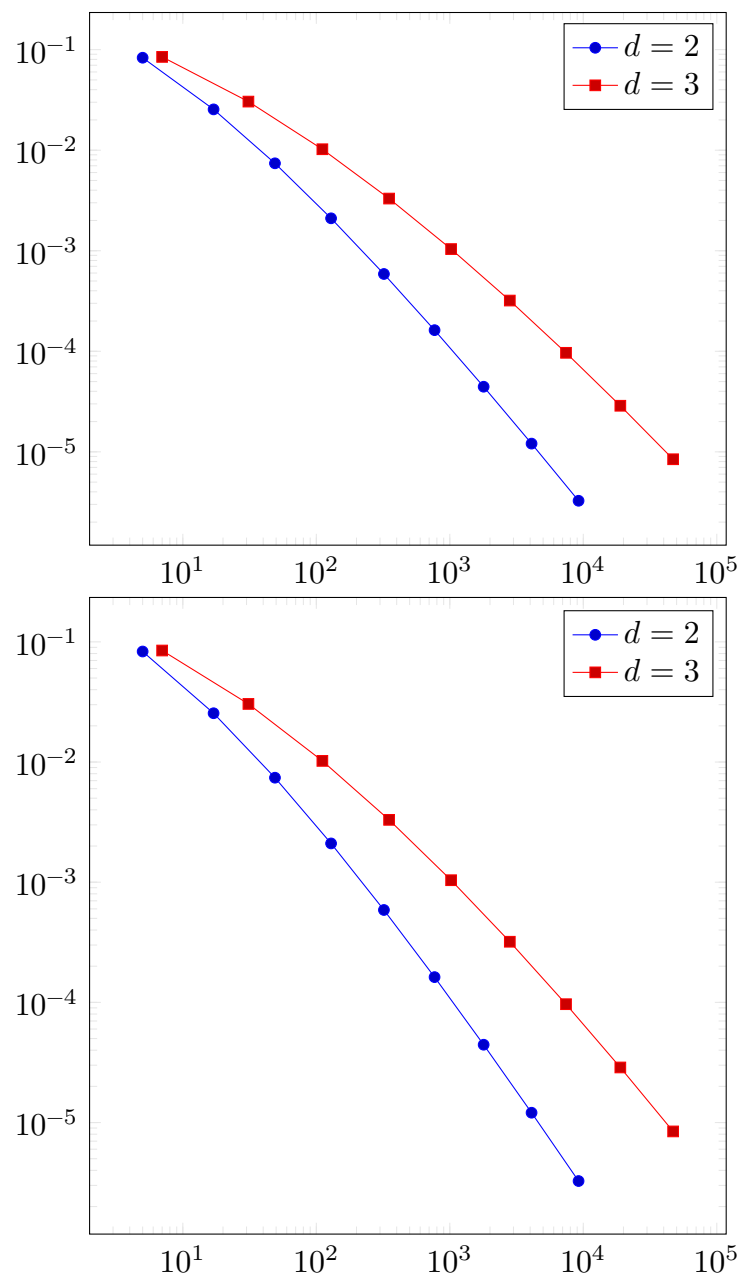
7.2.7 Testing numeric artefacts around tick position '0'

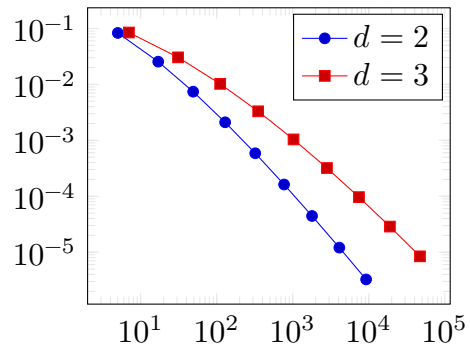
[scaled ticks=false] in this subsection





7.3 Scaling log plots



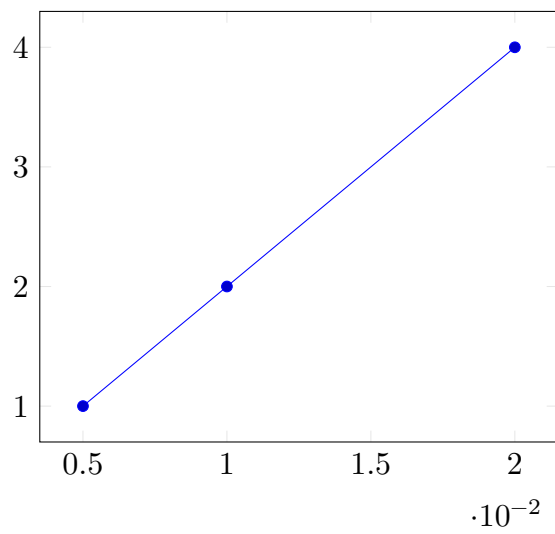


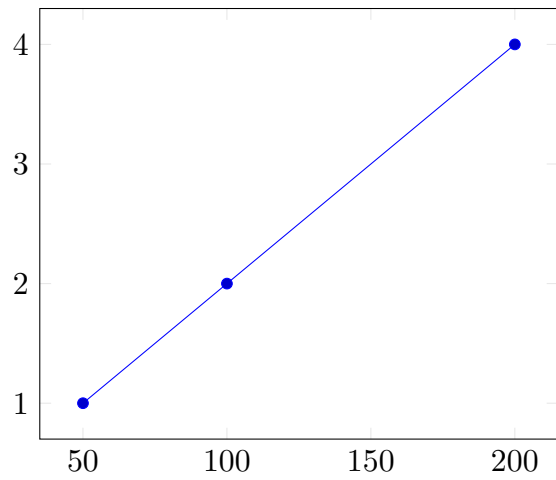
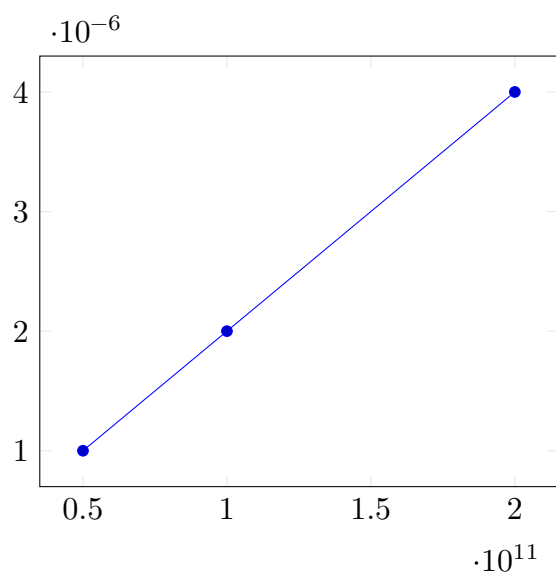
7.4 Scaletest

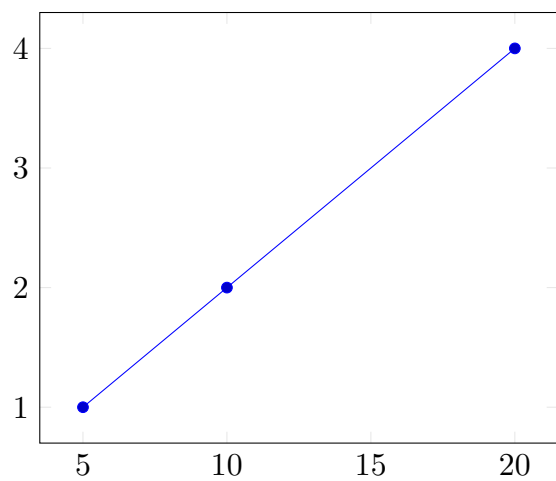
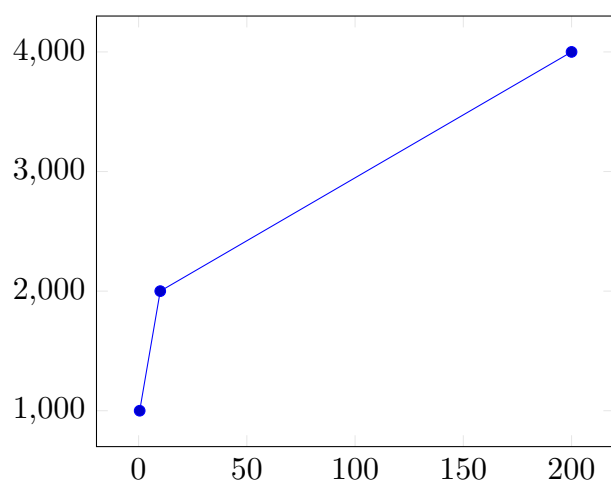


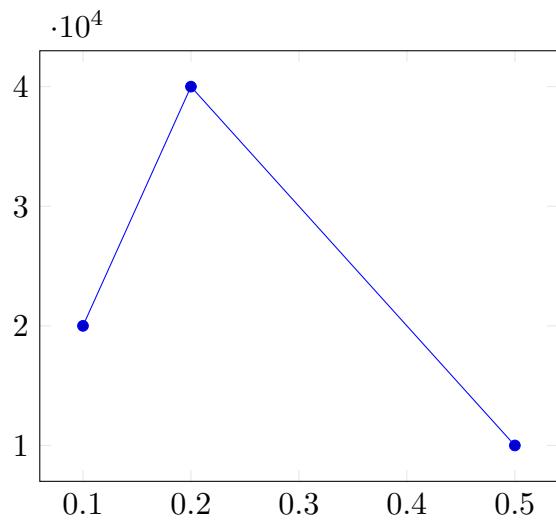
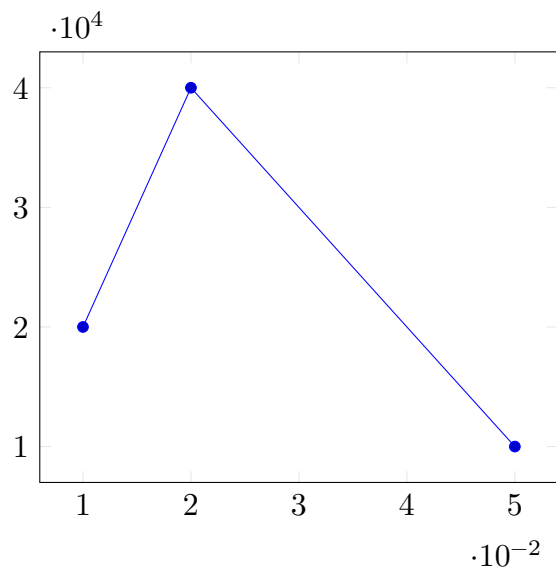
7.5 Scaling test for very small or very large x values

7.5.1 1e-2



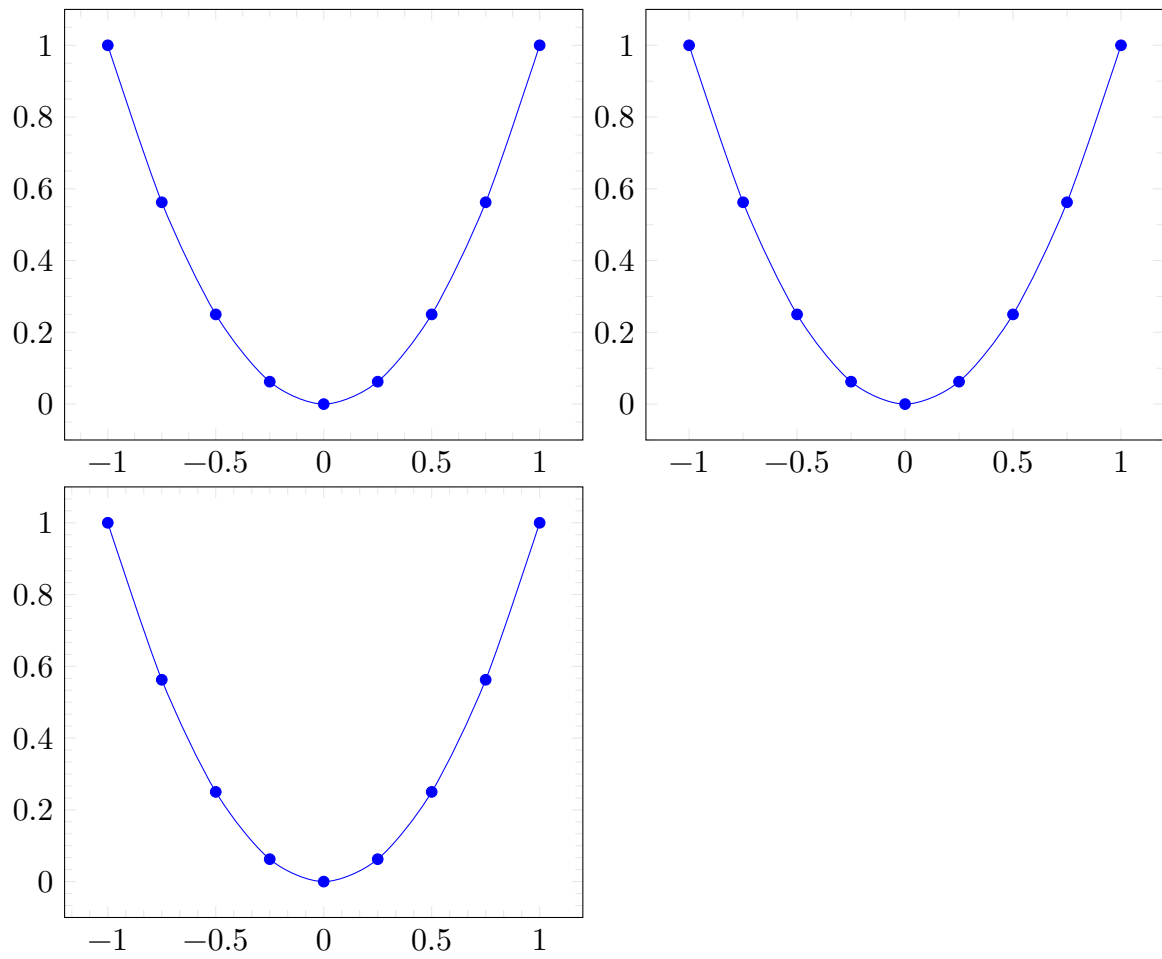
7.5.2 $1e+2$ 7.5.3 $x=1e+11; y=1e-6$ 

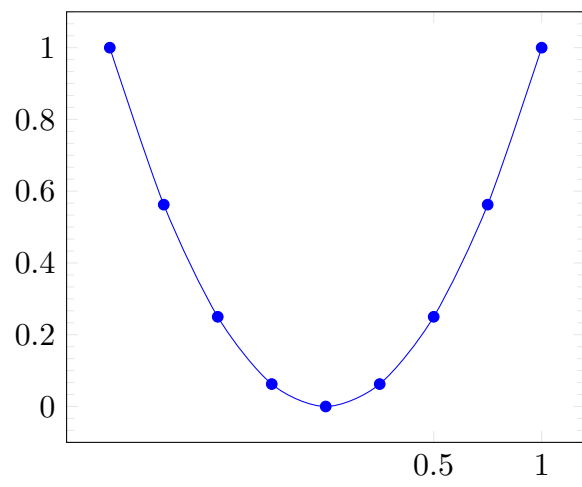
7.5.4 $1e+1$ 7.5.5 $1e+3$ 

7.5.6 $1e+4$ 7.5.7 $1e-2, 1e+4$ 

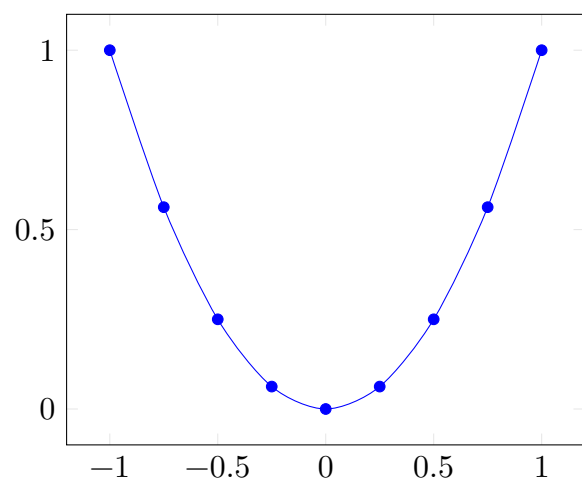
8 pgfplotstest.ticks.tex

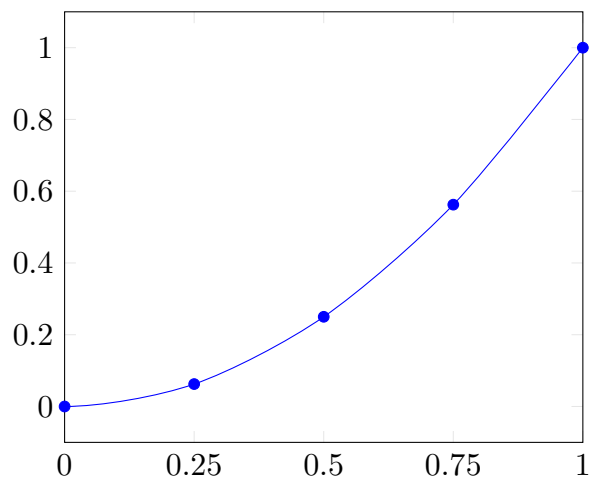
8.1 Minor ticks



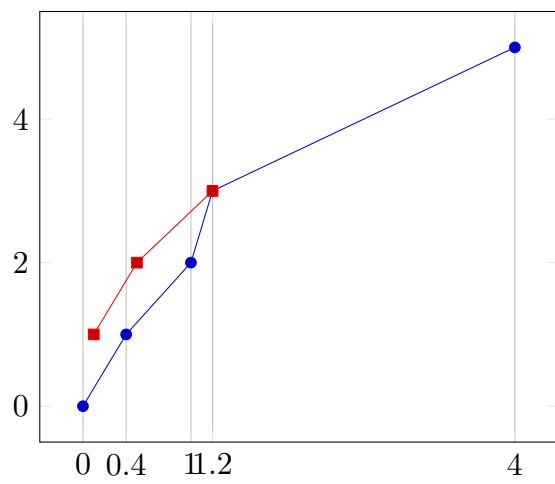
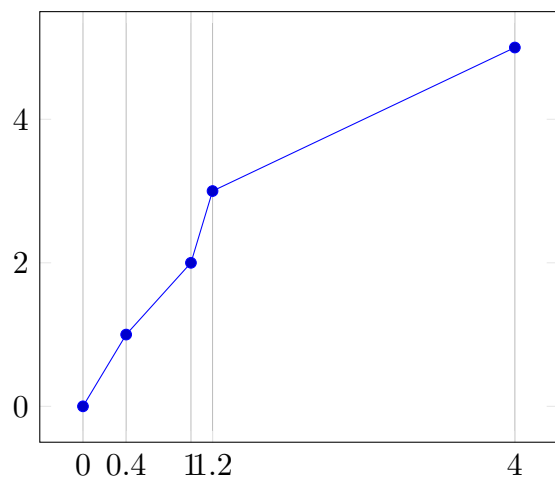


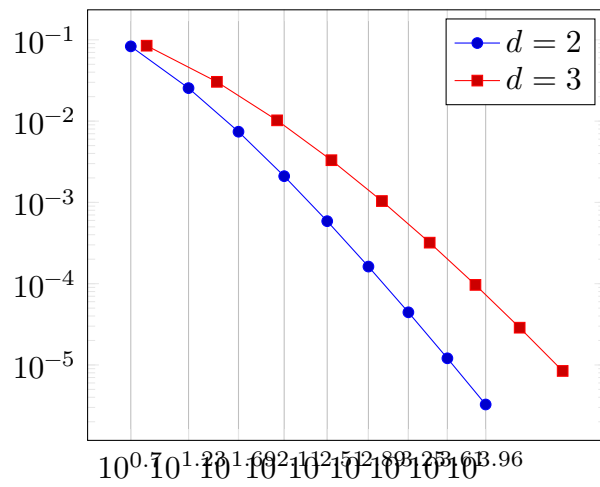
8.2 Tick placement



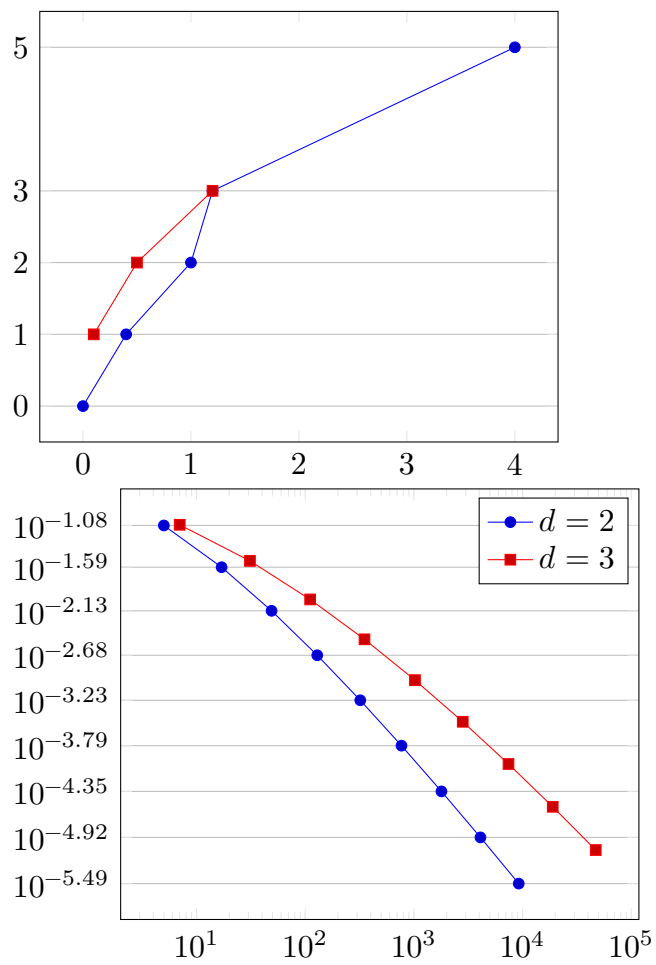


8.2.1 xtick=data



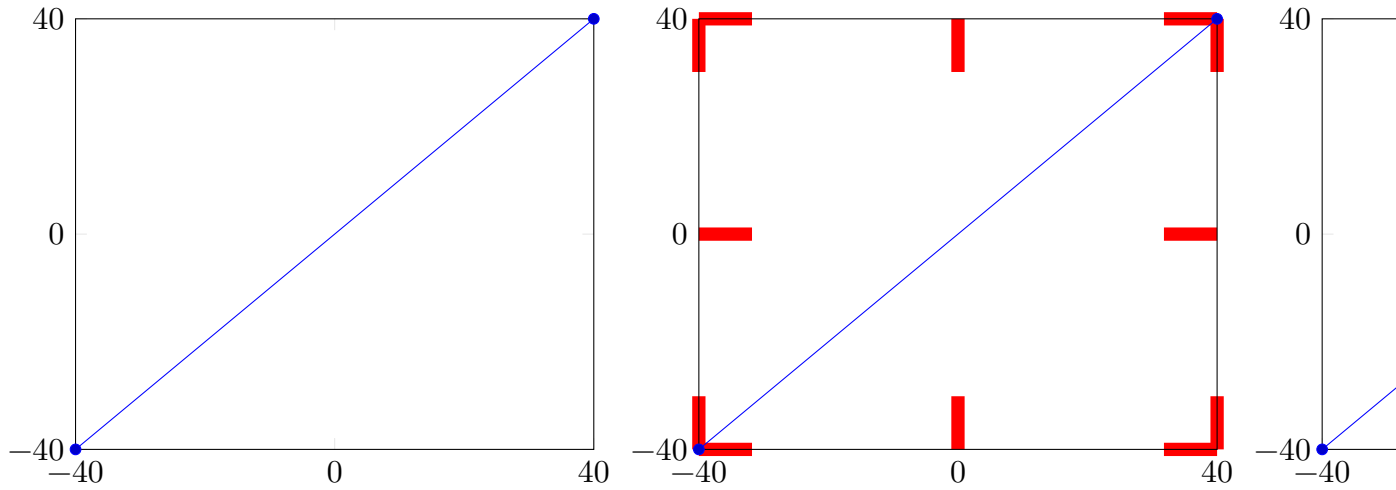


8.2.1.1 ytick=data

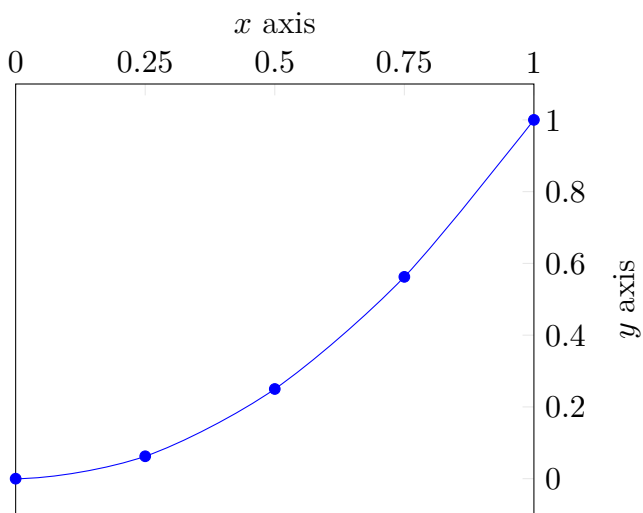


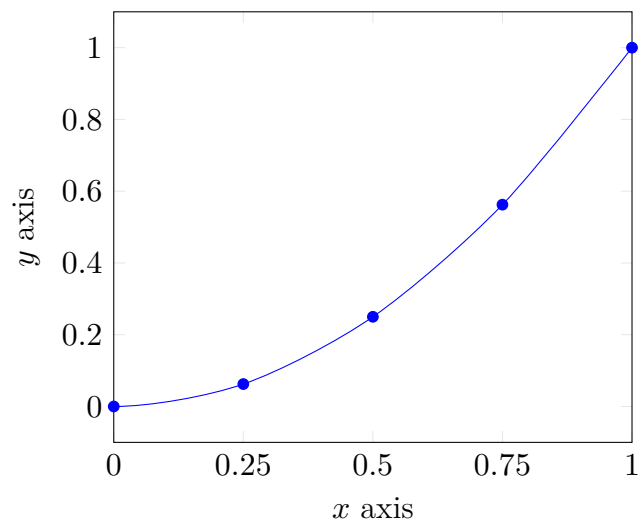
8.2.2 ticks on axis rectangle

First plot: default tick style; second plot: red, third: 'help lines'



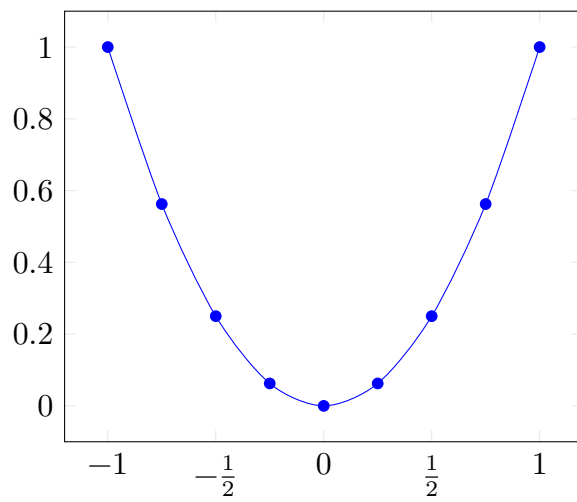
8.2.3 modified labels



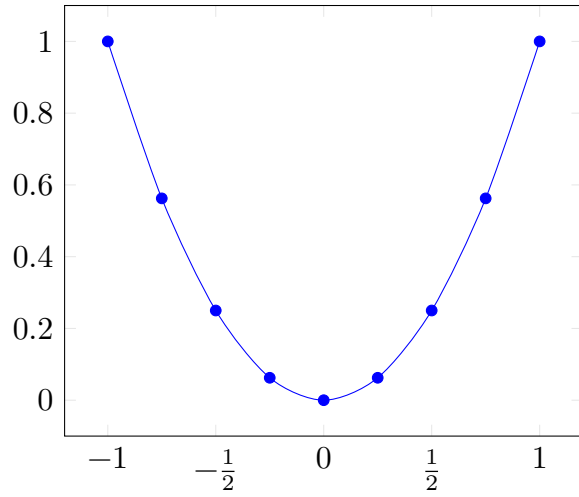


8.3 Tick label assignment tests

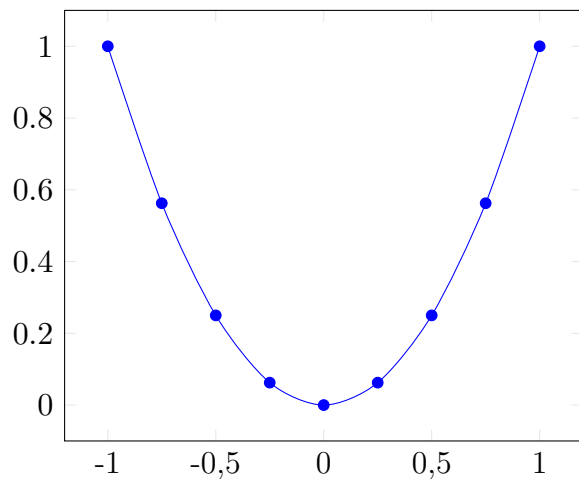
8.3.1 Using xticklabel and xtick



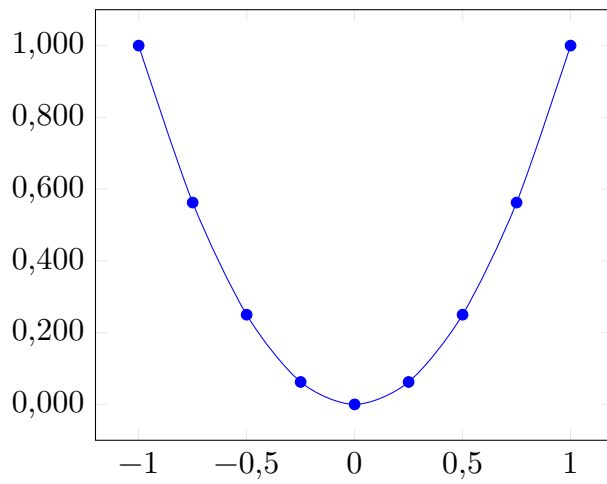
8.3.2 Using xticklabels



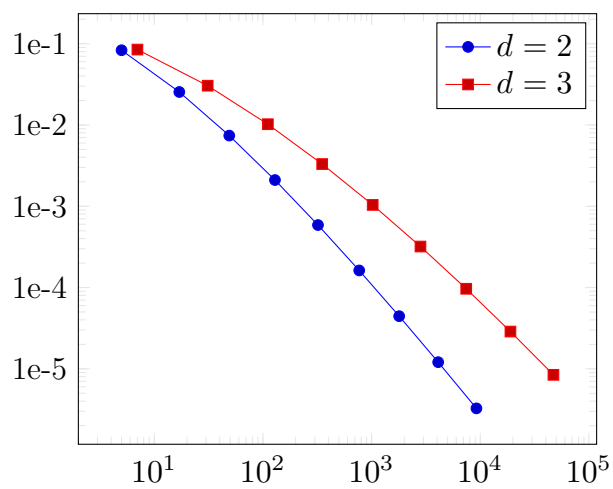
8.3.3 With xtick labels and commas by hand



8.3.4 Only with auto number formatting options; different for x and y

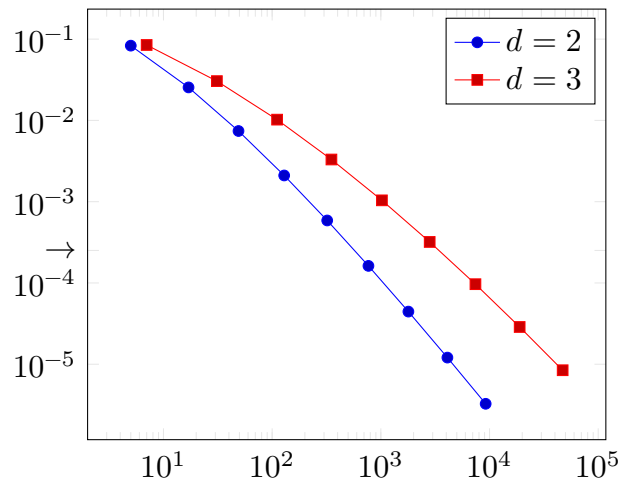


8.3.5 Using yticklabels in logplot

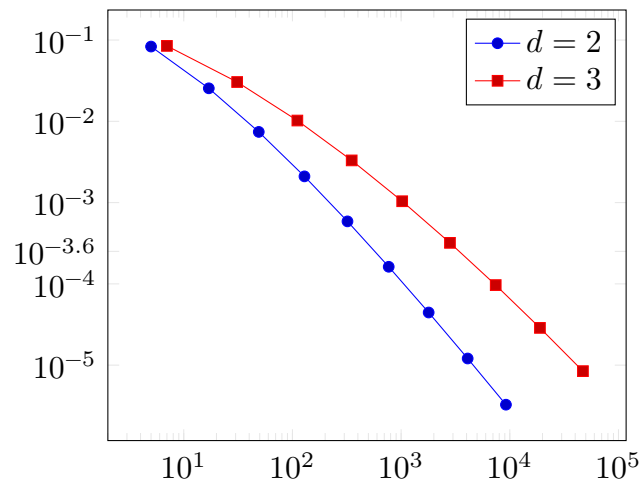


8.4 Tick/Tick-Label placement log plots

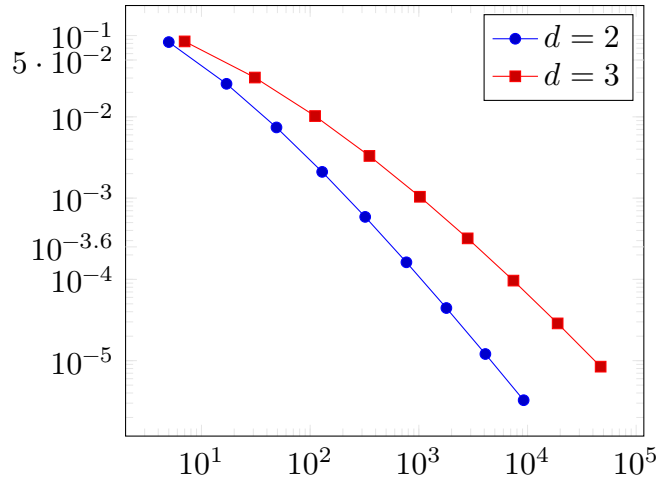
8.4.1 ytickten



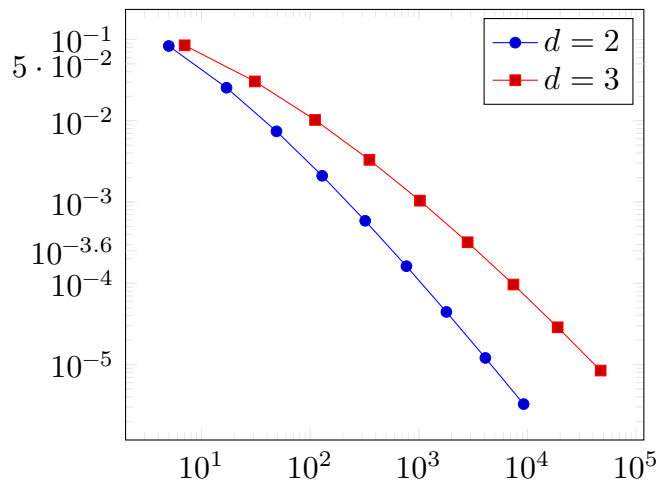
8.4.2 ytick



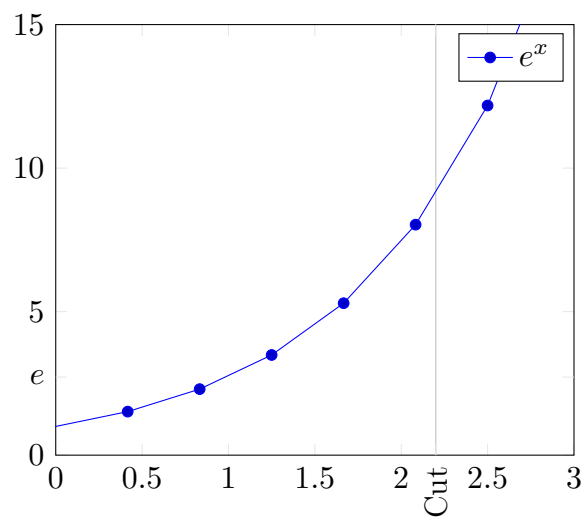
8.4.3 extra y ticks



8.4.4 extra y ticks and formatted label



8.4.5 extra x and y ticks, linear plot



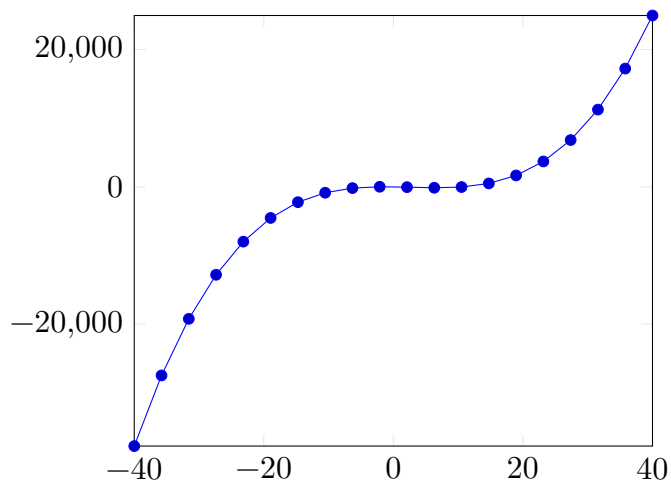
9 pgfplotstest.enlargelimits.tex

9.1 Limit computation

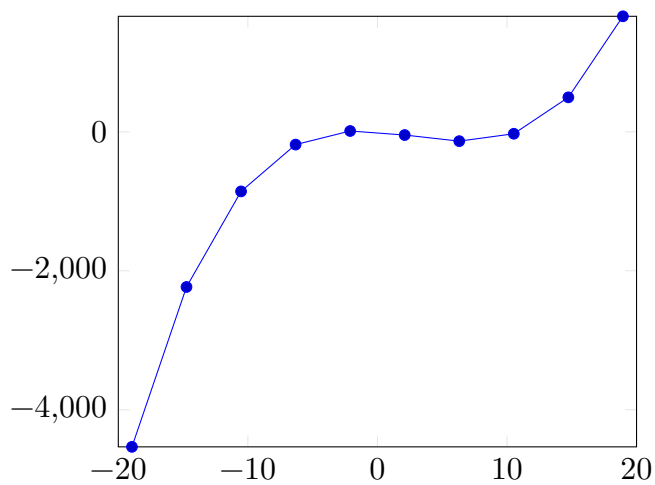
9.1.1 User specified limits

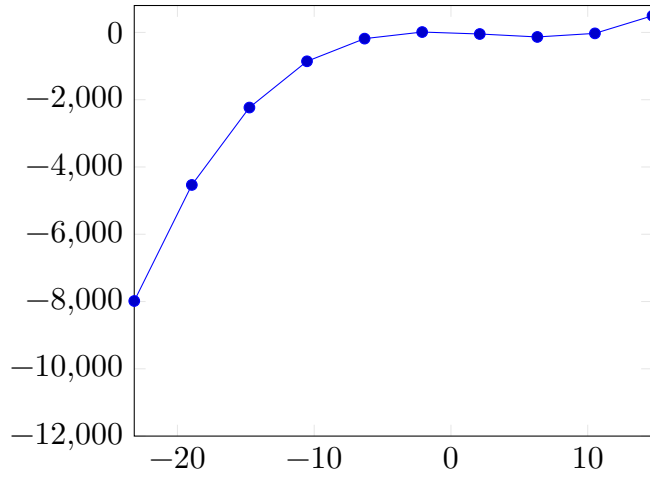
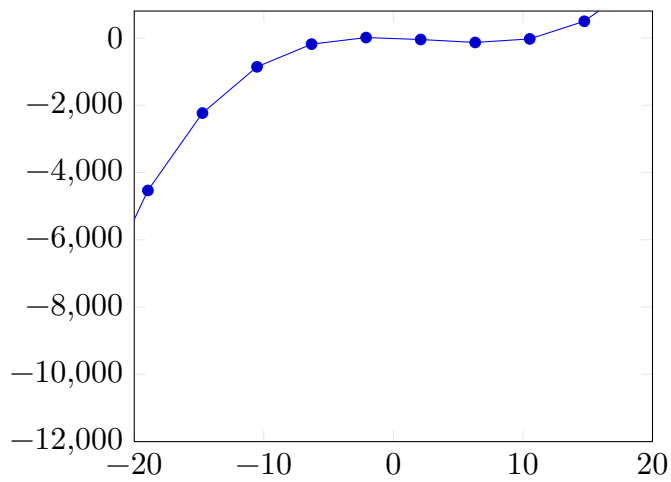
[scaled ticks = false,enlargelimits=false] in this section

9.1.1.1 linear plot, unconstraint

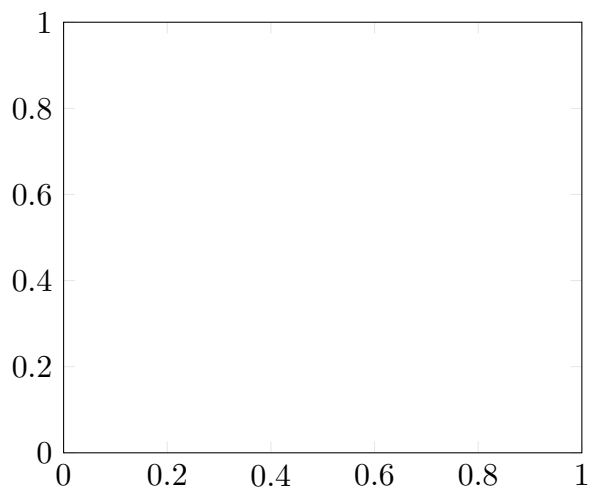


9.1.1.2 linear plot, limited to $x \in [-20, 20]$



9.1.1.3 linear plot, limited to $y \in [-12000, 800]$ 9.1.1.4 linear plot, limited to $x \in [-20, 20]; y \in [-12000, 800]$ 

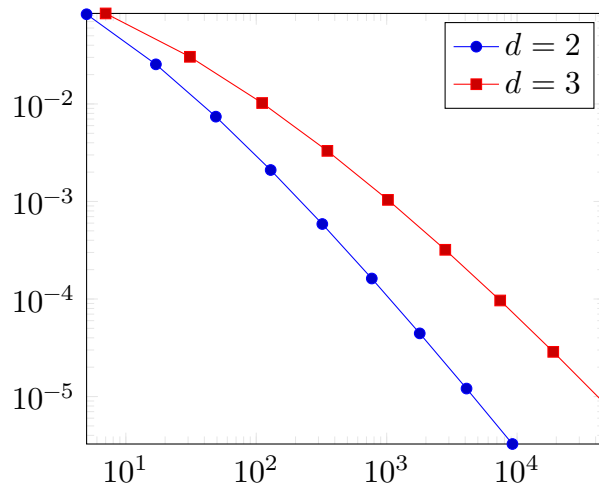
9.1.1.5 linear plot, limited to empty x -range



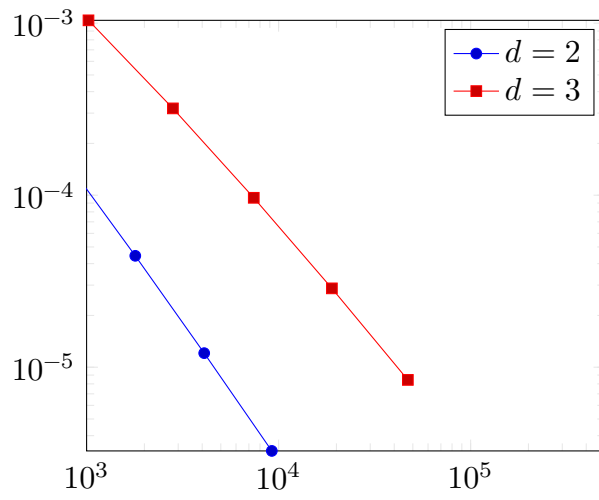
9.1.2 Log plots

Log-plots use the same code; they should work in the same way!

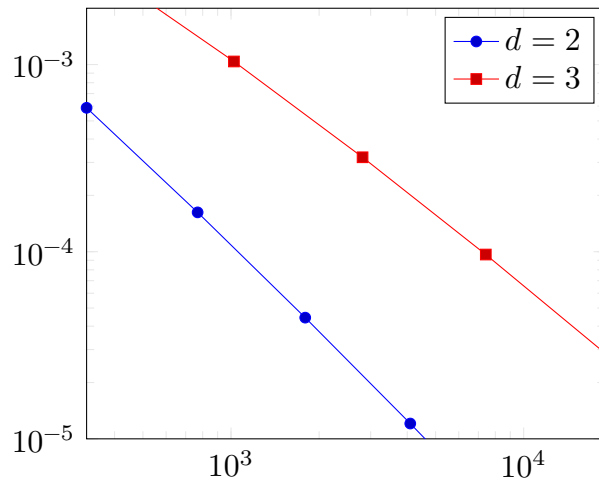
9.1.2.1 log plot unconstraint



9.1.2.2 log plot limited to $x \in [10^3, 5 \cdot 10^5]$

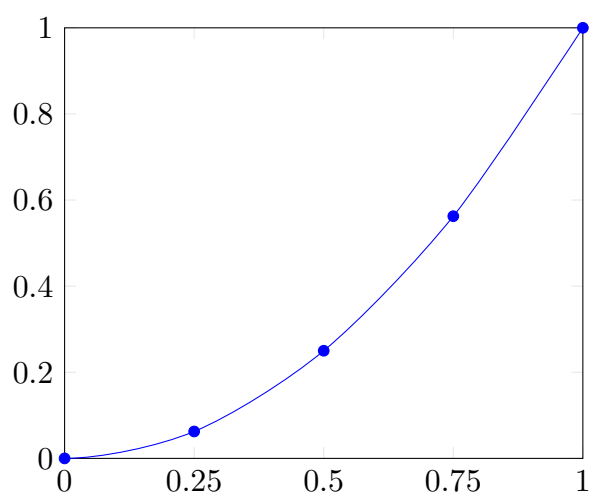


9.1.2.3 log plot limited to $y \in [10^{-5}, 2 \cdot 10^{-3}]$

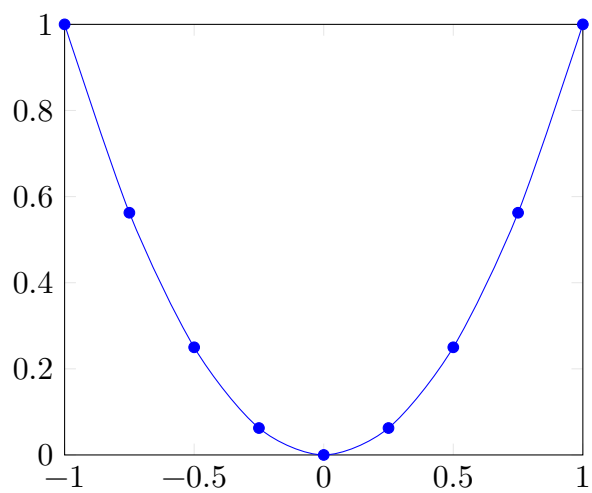


9.1.3 Enlargelimits tests

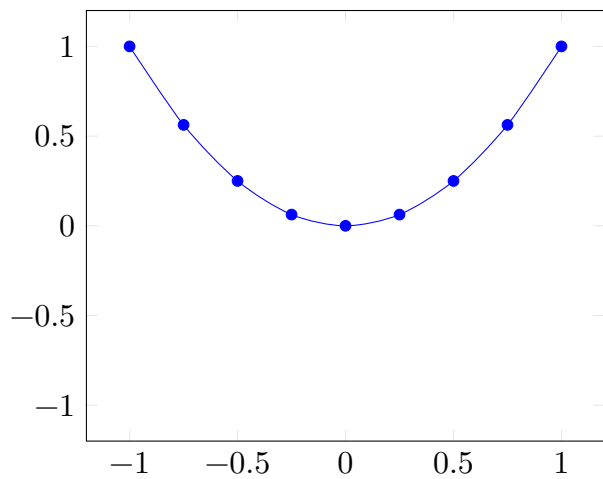
9.1.3.1 enlargelimits=false, x limits provided



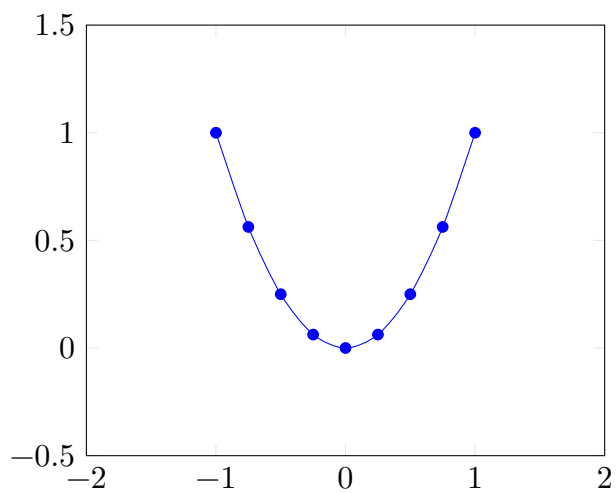
9.1.3.2 enlargelimits=false, no limits provided



9.1.3.3 enlargelimits=true, all limits provided $[-1, 1] \times [-1, 1]$



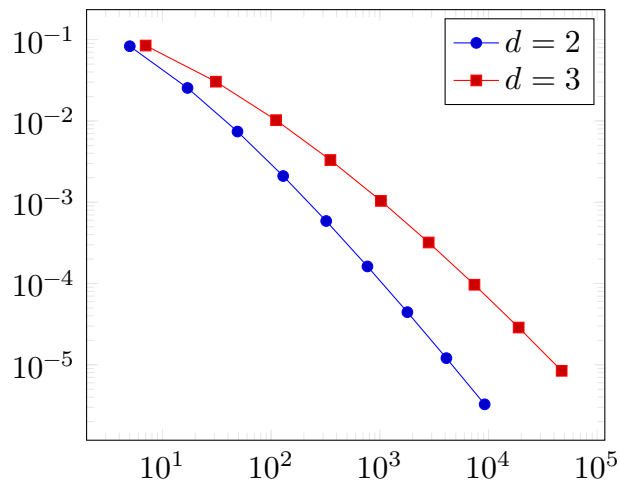
9.1.3.4 enlargelimits=0.5



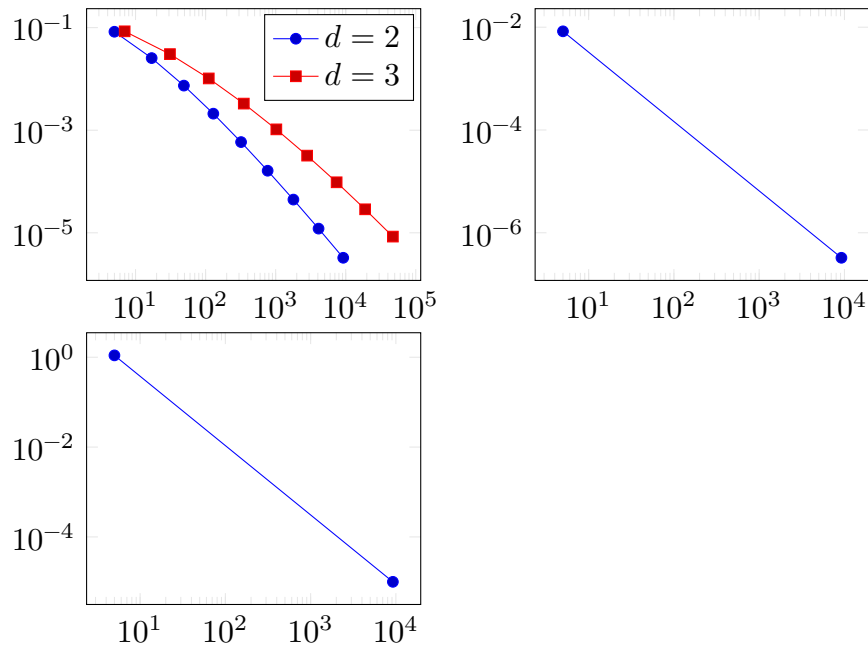
10 pgfplotstest.logplotenv.tex

10.1 Default options log plot

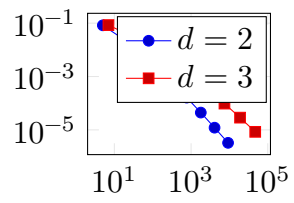
10.1.1 Default size



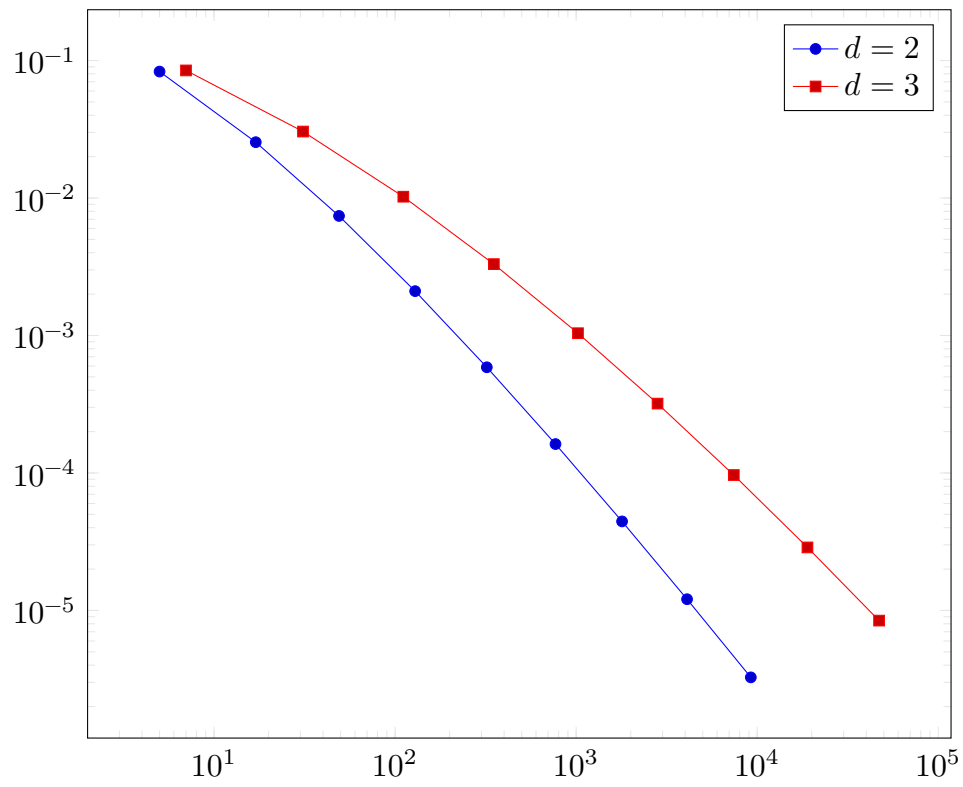
10.1.2 Small size



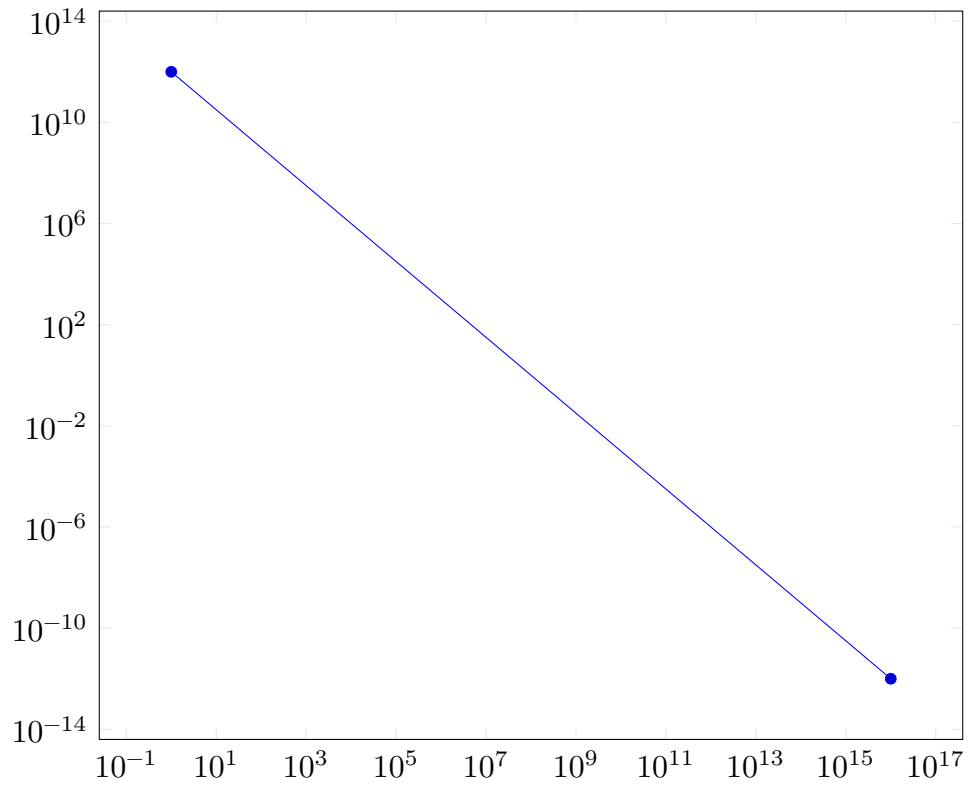
10.1.3 Very small size



10.1.4 Large size

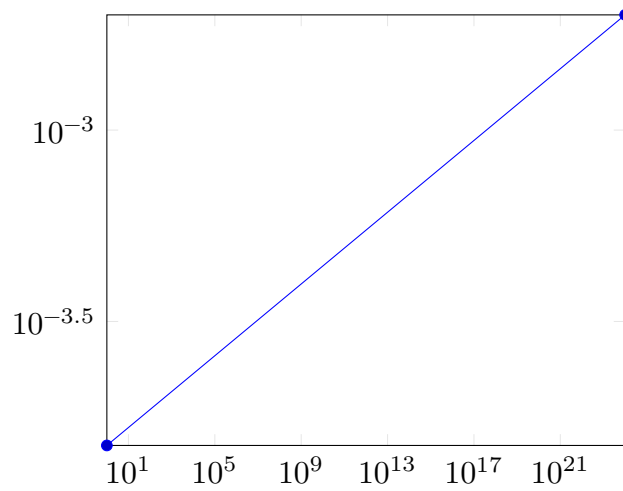


10.1.5 Large size; large range



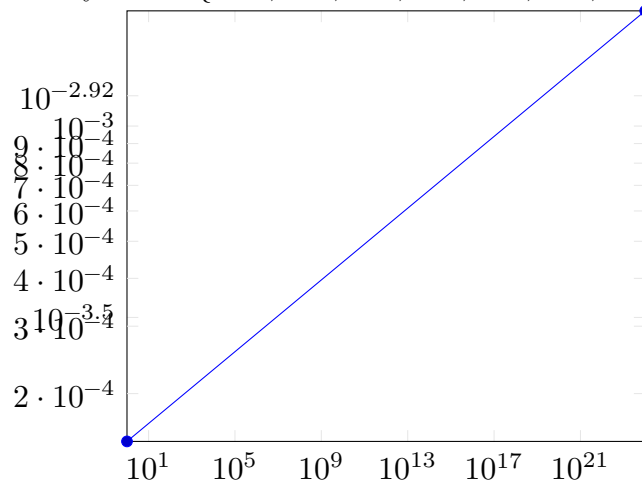
10.1.6 Extremely small y range for log plot

10.1.6.1 Without extra ticks, enlargelimits=false

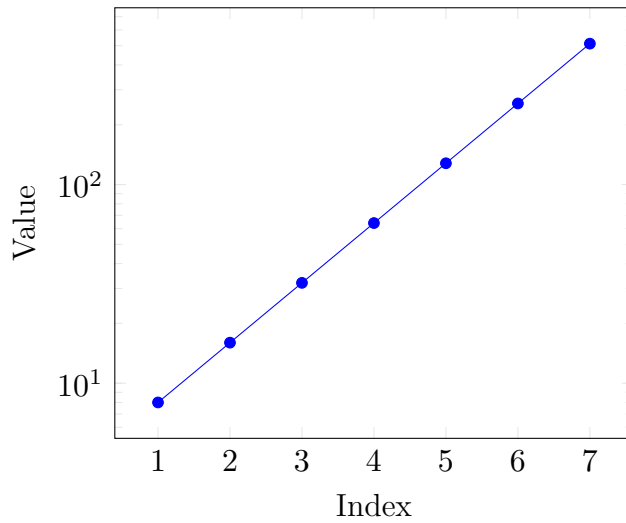


10.1.6.2 With extra ticks, enlargelimits=false

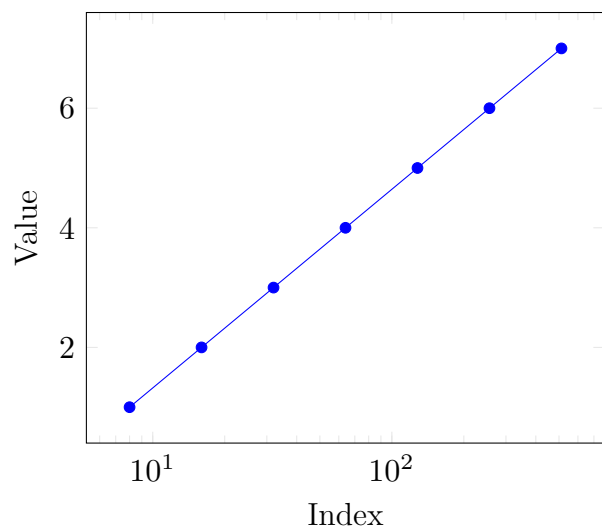
extra y ticks={2e-4,3e-4,4e-4,5e-4,6e-4,7e-4,8e-4,9e-4,1.2e-3}



10.2 Semilogy plot



10.3 Semilogx plot

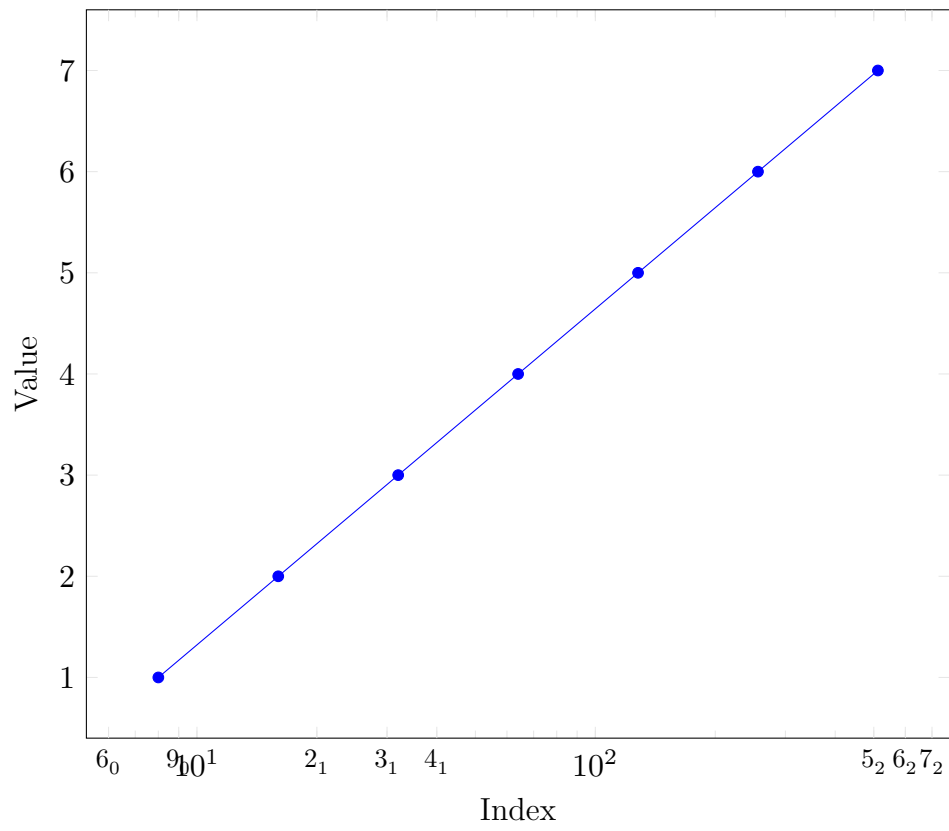


10.3.1 Extra ticks

Options:

extra x ticks={6e0,9e0,2e1,3e1,4e1,5e2,6e2,7e2,8e2,9e2},

extra x tick style={/pgf/number format/sci subscript,font=footnotesize},



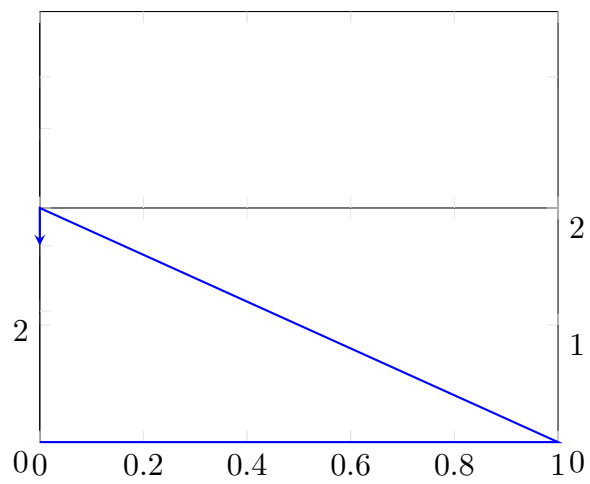
11 pgfplotstest.3d.tex

11.1 View

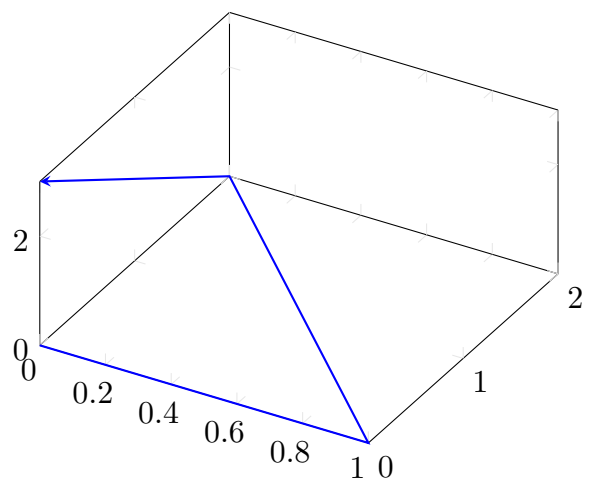
The following test plot has

11.1.1 Test von YAW

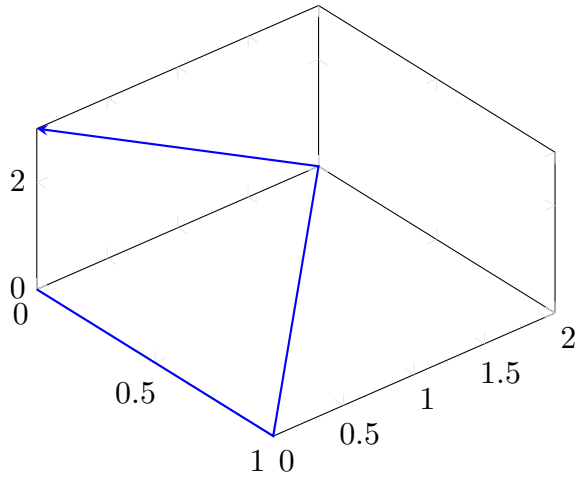
11.1.1.1 für $\{0\}\{50\}$:



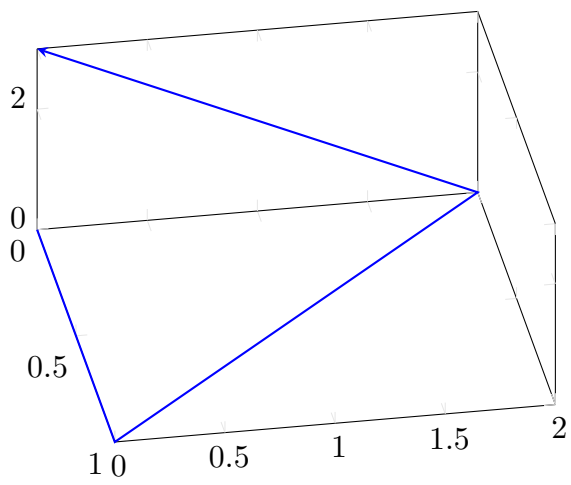
11.1.1.2 für $\{30\}\{50\}$:



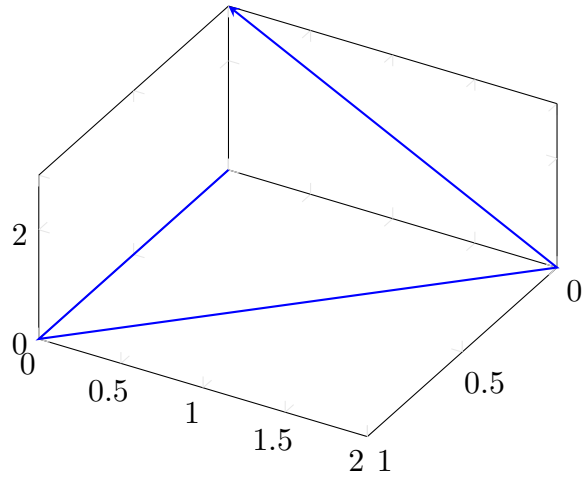
11.1.1.3 für $\{50\}\{50\}$:



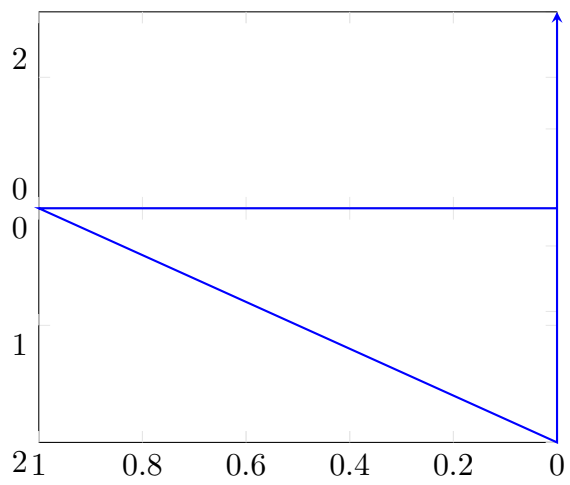
11.1.1.4 für $\{80\}\{50\}$:



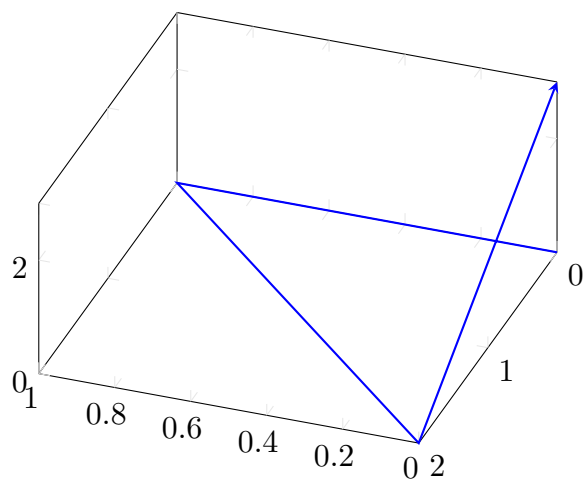
11.1.1.5 für $\{120\}\{50\}$:



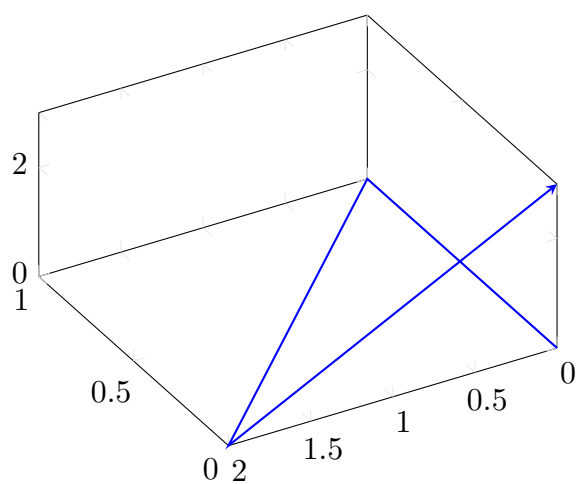
11.1.1.6 für $\{180\}\{50\}$:



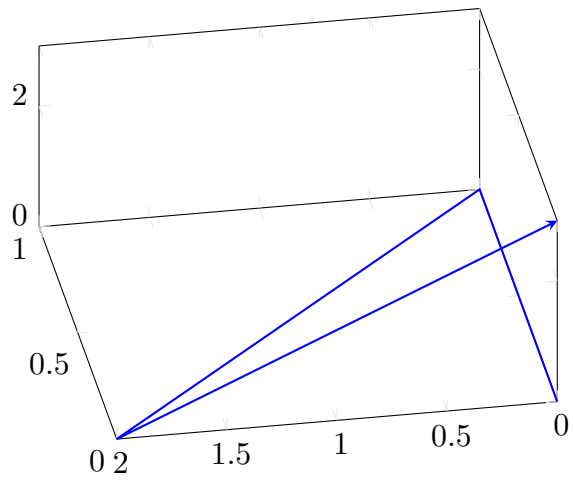
11.1.1.7 für $\{200\}\{50\}$:



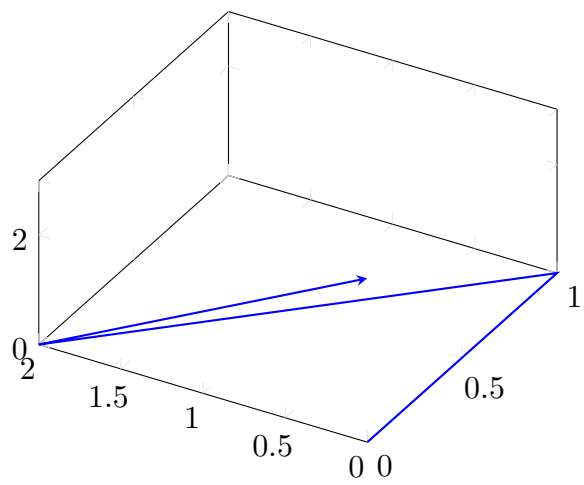
11.1.1.8 für $\{240\}\{50\}$:



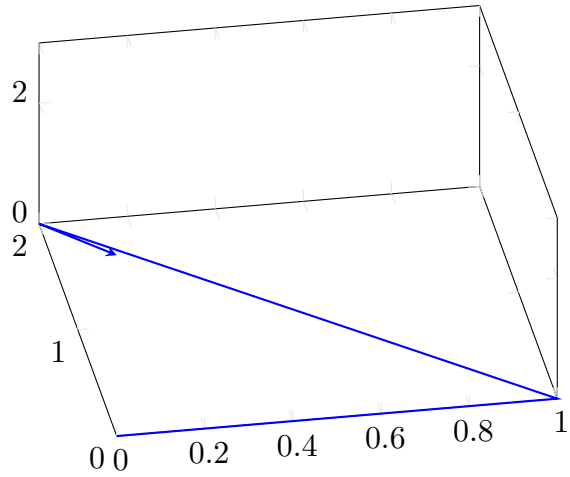
11.1.1.9 für $\{260\}\{50\}$:



11.1.1.10 für $\{300\}\{50\}$:

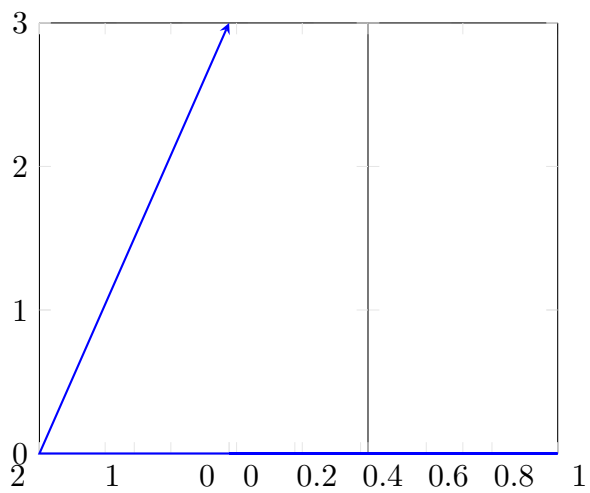


11.1.1.11 für $\{350\}\{50\}$:

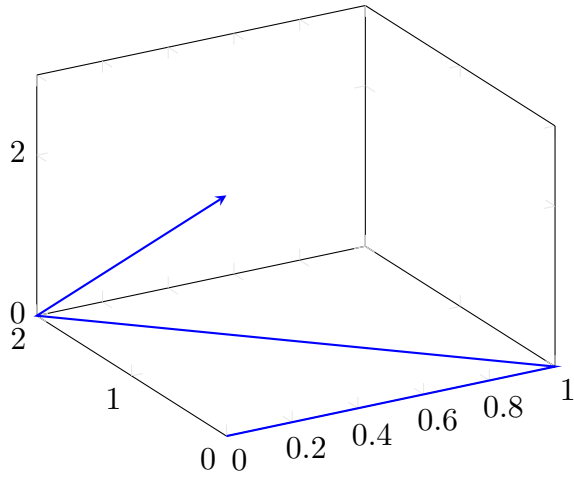


11.1.2 Test von PITCH

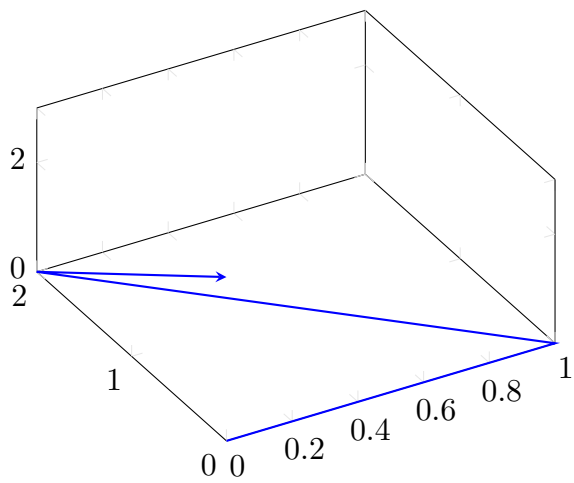
11.1.2.1 für $\{-30\}\{0\}$:



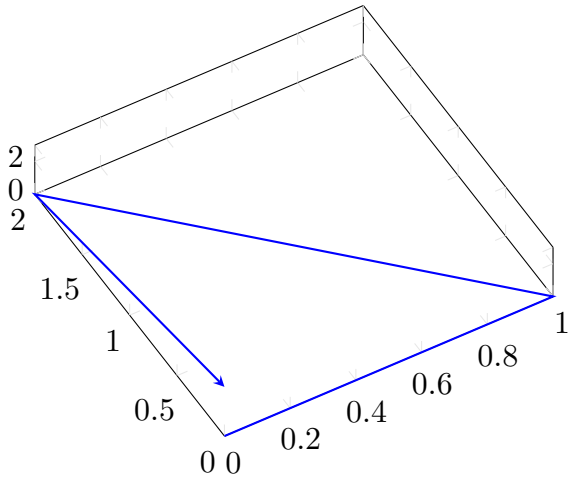
11.1.2.2 für $\{-30\}\{30\}$:



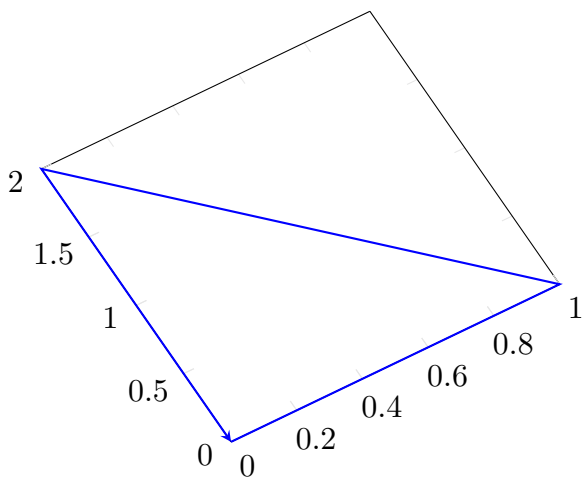
11.1.2.3 für $\{-30\}\{50\}$:



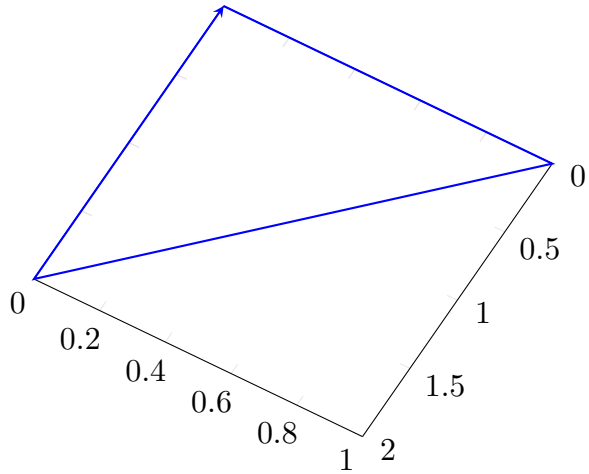
11.1.2.4 für $\{-30\}\{80\}$:



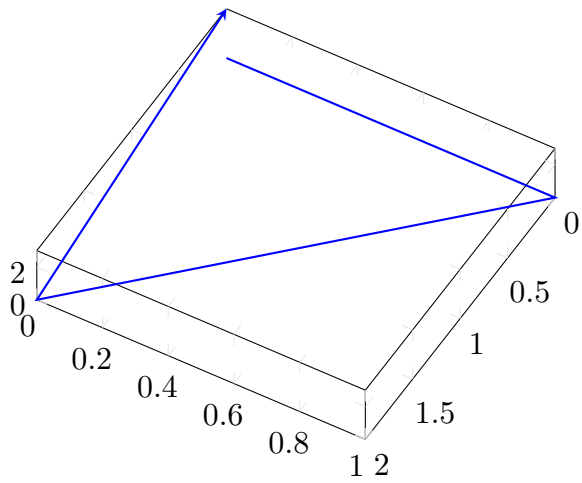
11.1.2.5 für $\{-30\}\{90\}$:



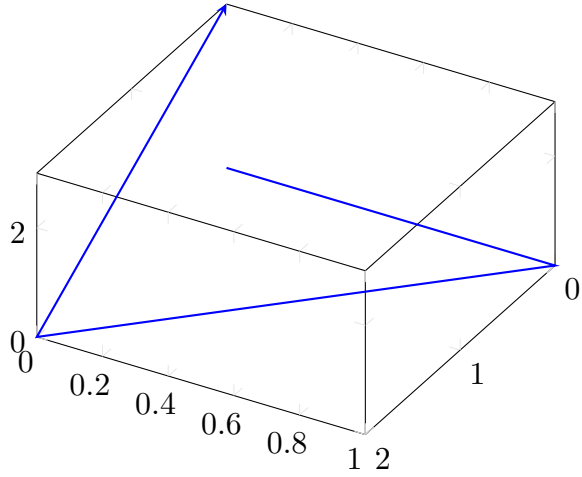
11.1.2.6 für $\{-30\}\{-90\}$:



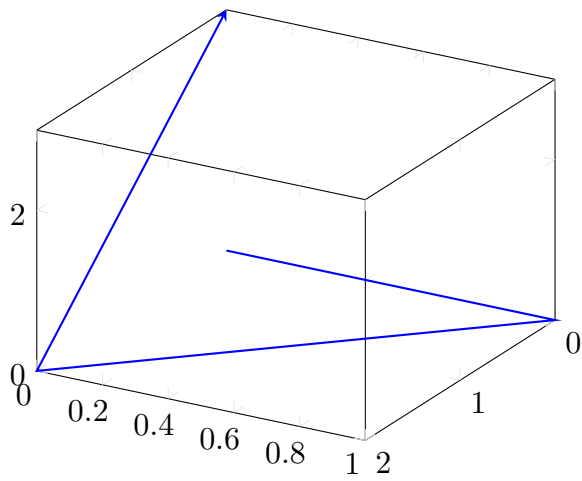
11.1.2.7 für $\{-30\}\{-80\}$:



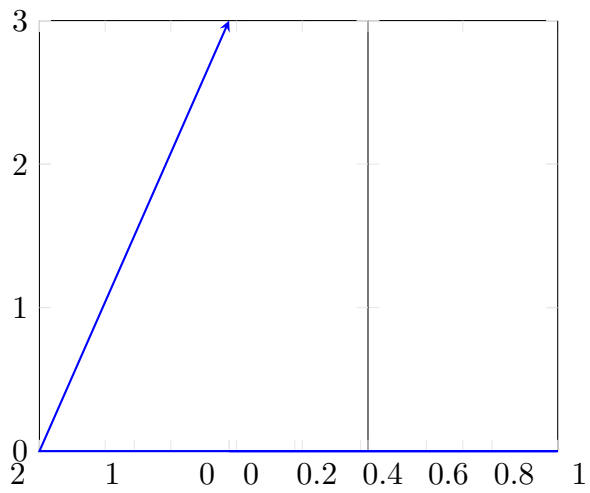
11.1.2.8 für $\{-30\}\{-50\}$:



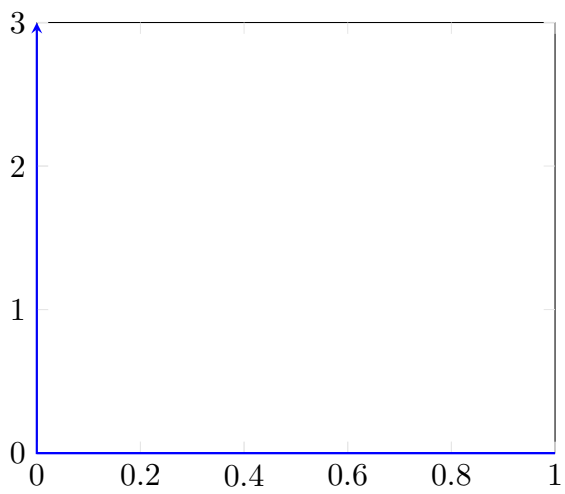
11.1.2.9 für $\{-30\}\{-30\}$:

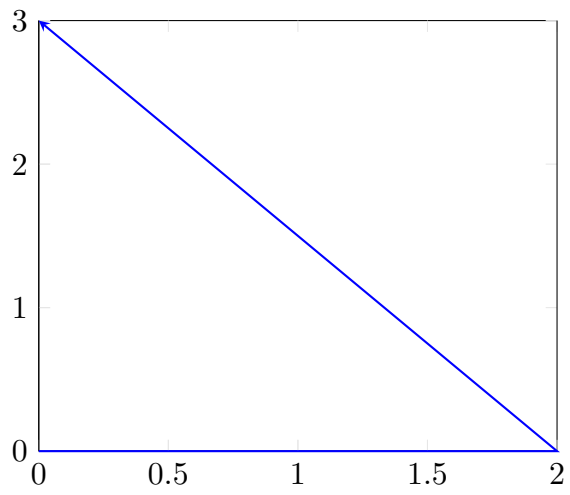
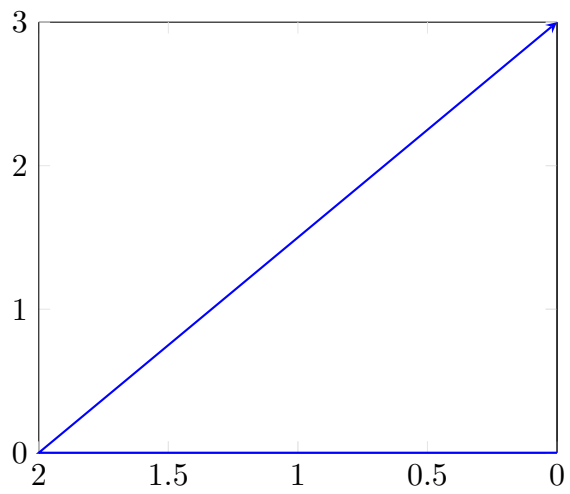


11.1.2.10 für $\{-30\}\{0\}$:

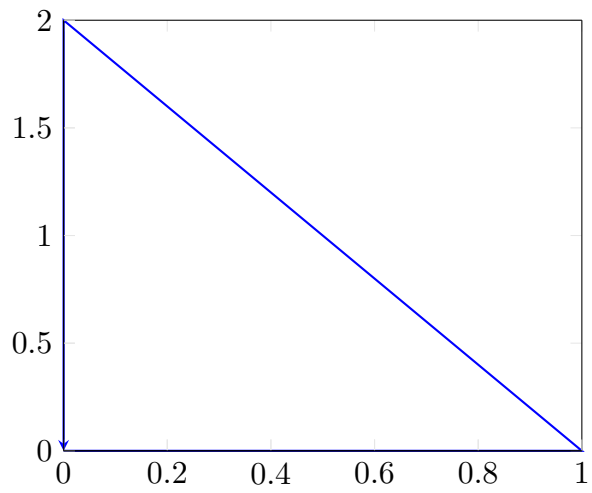


11.1.2.11 Special case view=0,0

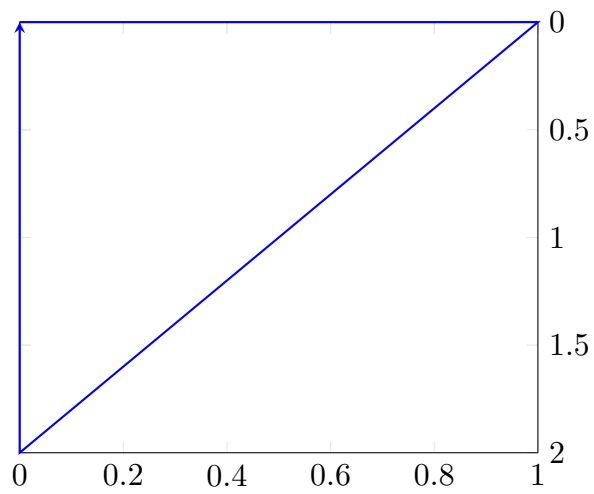


11.1.2.12 Special case view= $90,0$ 11.1.2.13 Special case view= $-90,0$ 

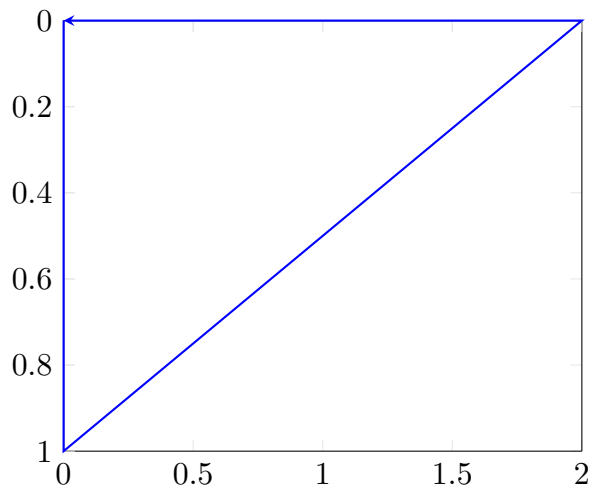
11.1.2.14 Special case view=0,90



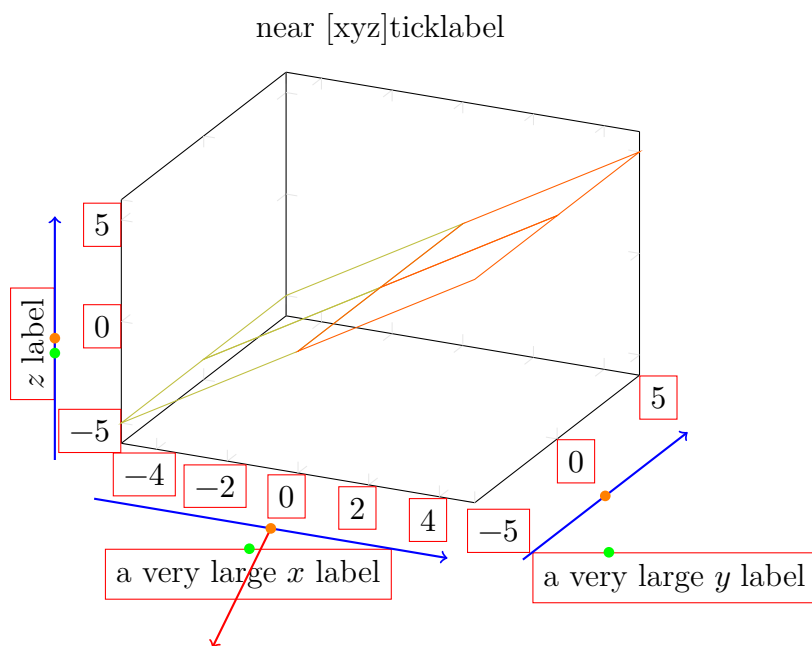
11.1.2.15 Special case view=0,-90



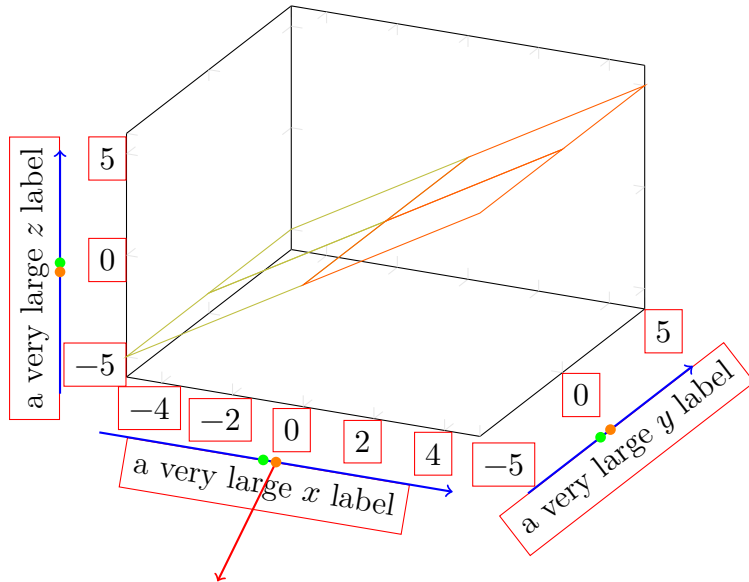
11.1.2.16 Special case view=90,90



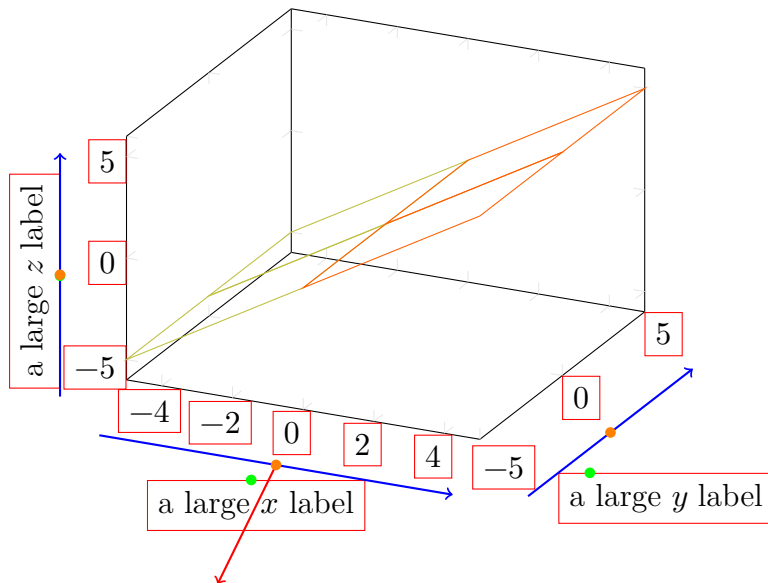
11.2 Tests and Debugging of near ticklabel anchors

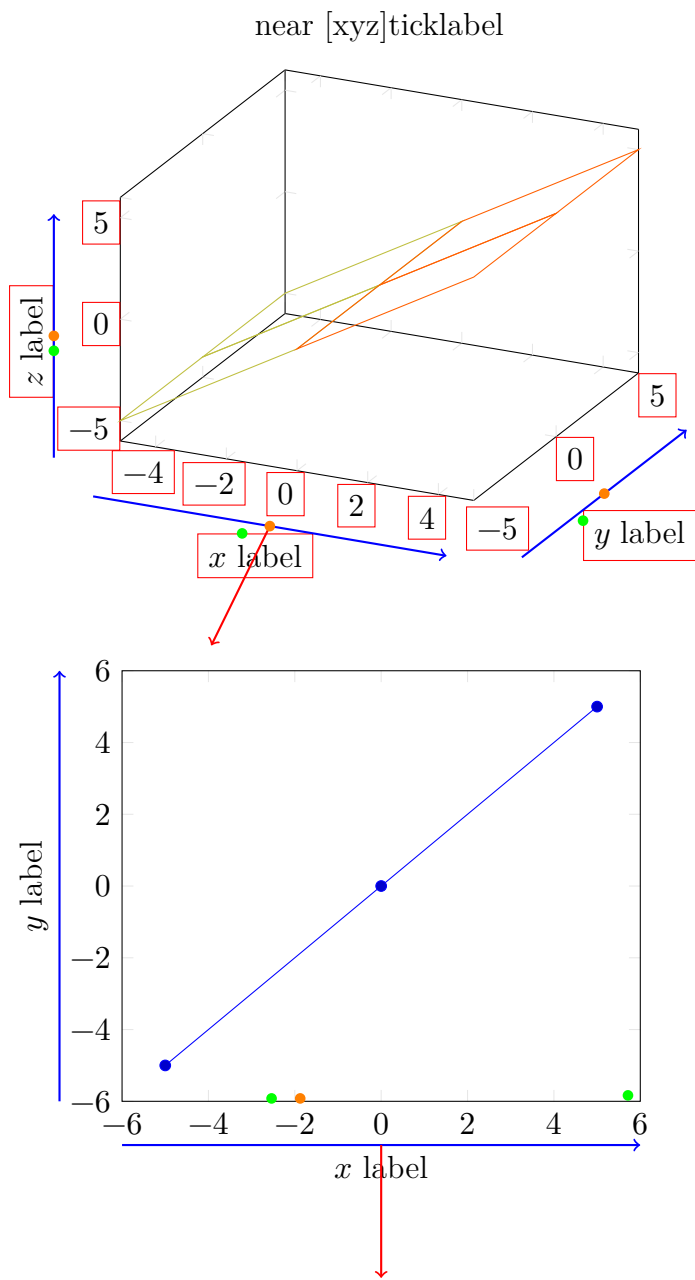


near [xyz]ticklabel

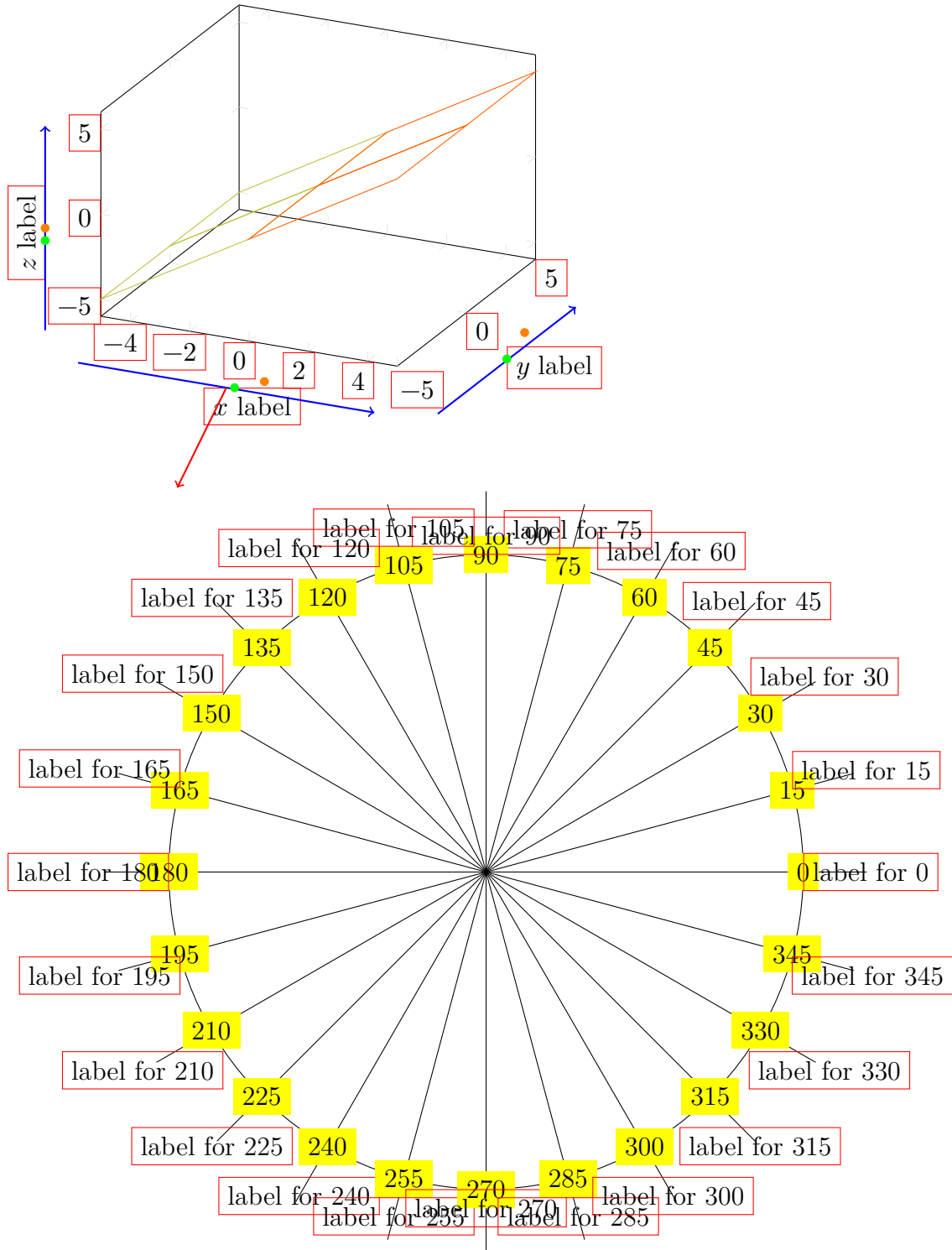


near [xyz]ticklabel



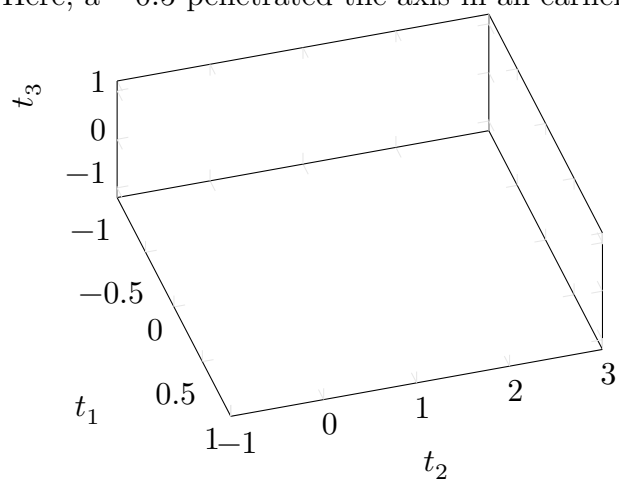


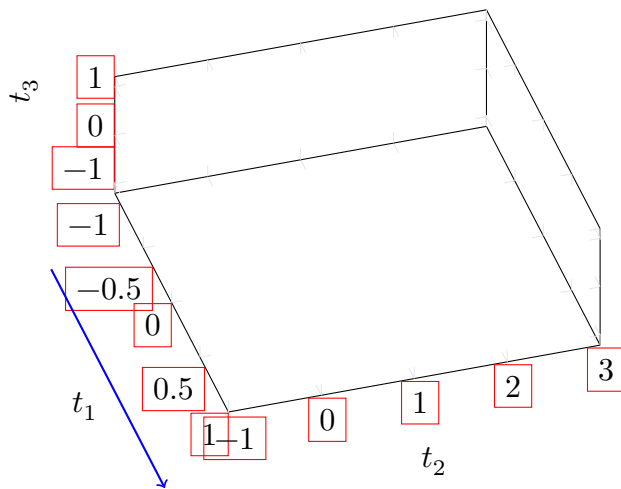
near [xyz]ticklabelSTAR



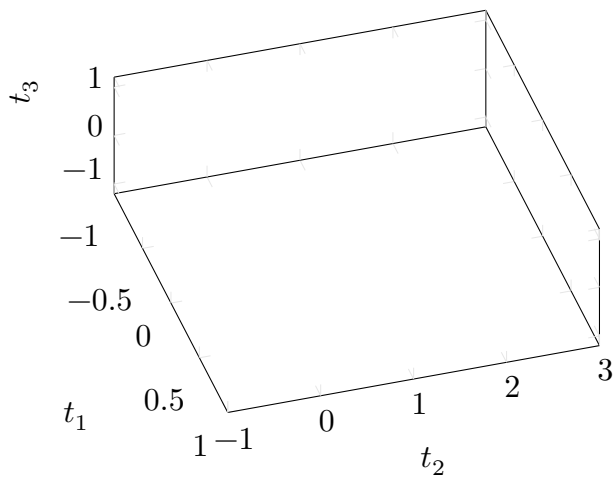
11.2.1 Placement of ticklabels

Here, a -0.5 penetrated the axis in an earlier version, should be fixed now:



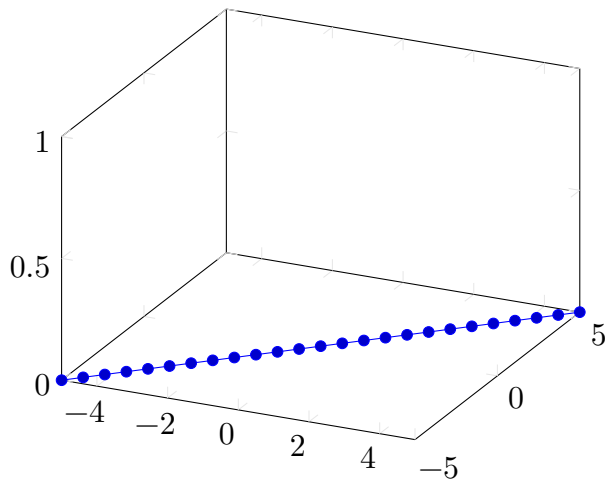


11.2.1.1 mit xticklabel shift=5pt

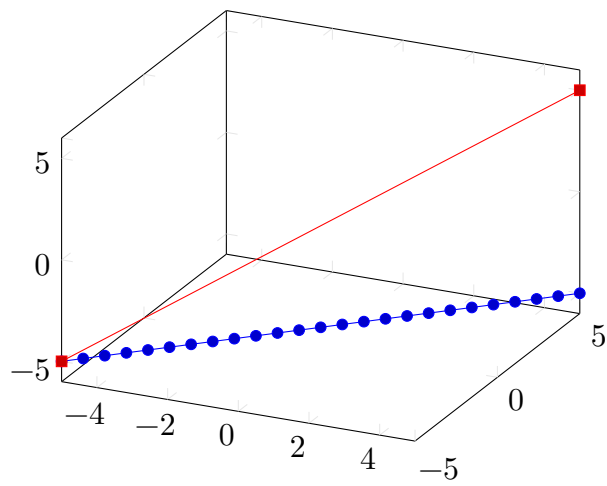


11.3 Sanity checking

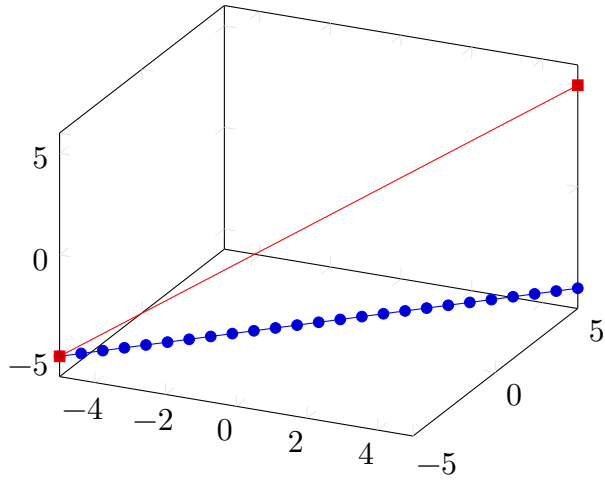
11.3.1 addplot in 3D axis



11.3.2 addplot and addplot3 in an axis



11.3.3 addplot and addplot3 in an axis



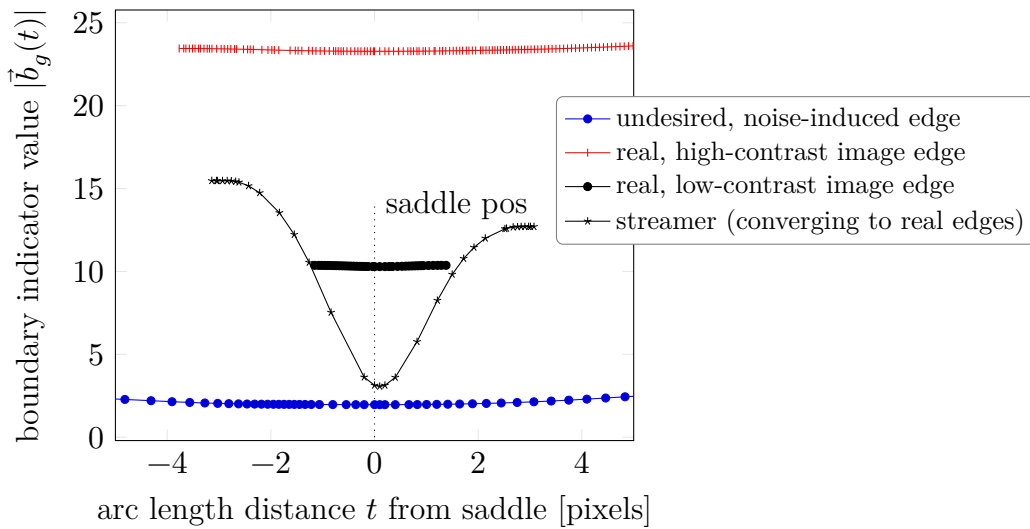
12 pgfplotstest.hansmeine_app.tex

12.1 Application example of Hans Meine

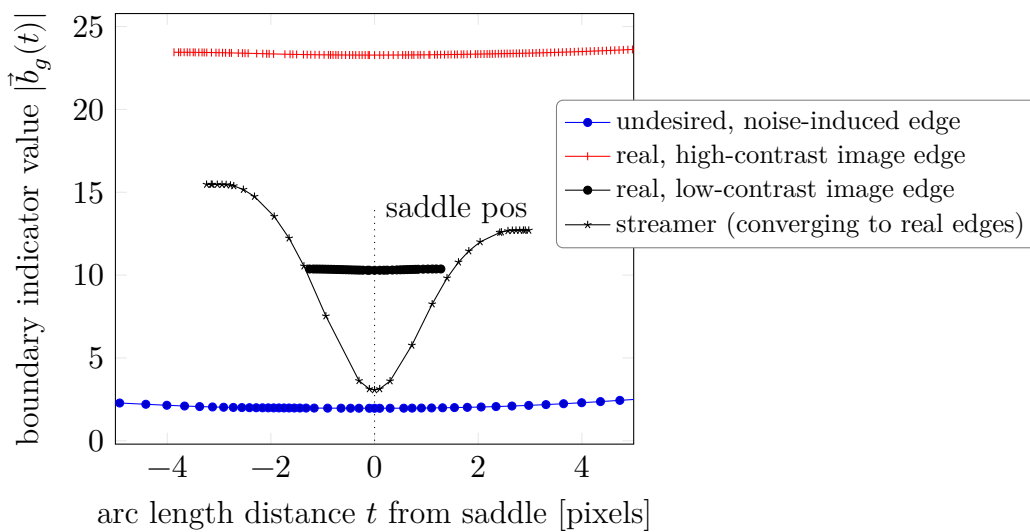
This example has been copied with permission from

<http://kogs-www.informatik.uni-hamburg.de/~meine/tikz/plots>.

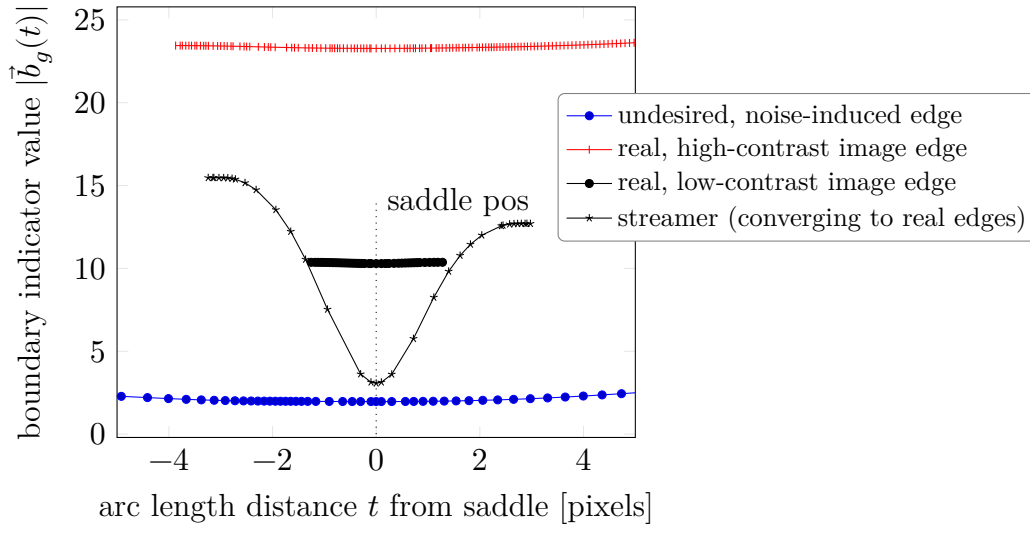
Please note that the first plot's input data as it is found in the url above is slightly shifted compared to the other plots.



12.1.1 With plot file



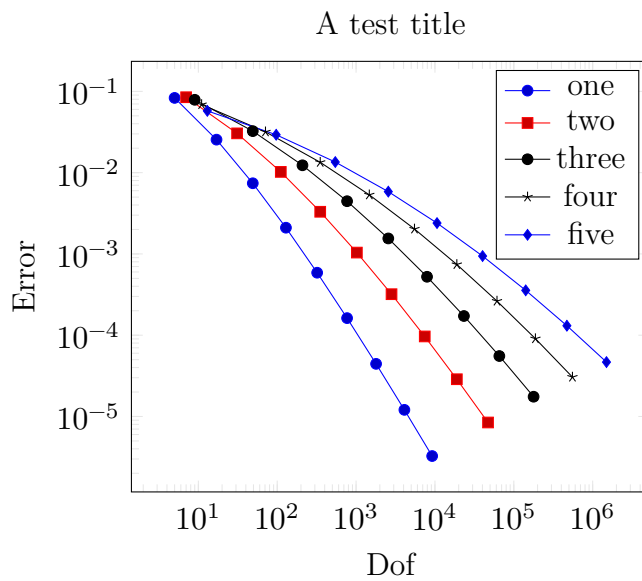
12.1.2 With plot file and restricted bounding box



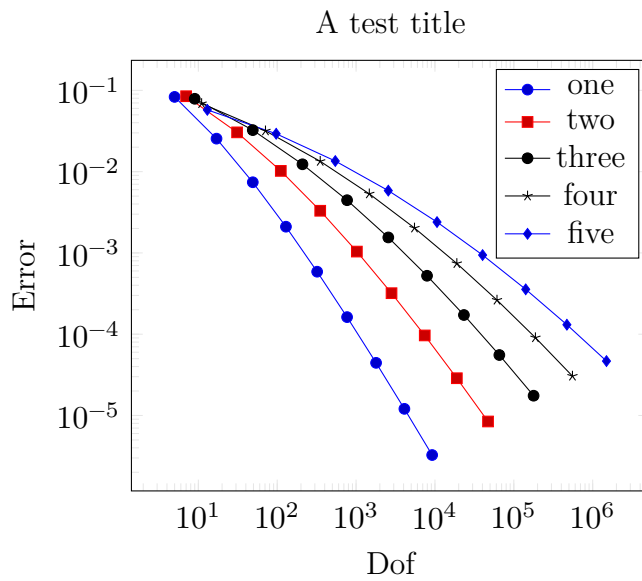
13 pgfplotstest.legend.tex

13.1 Legends

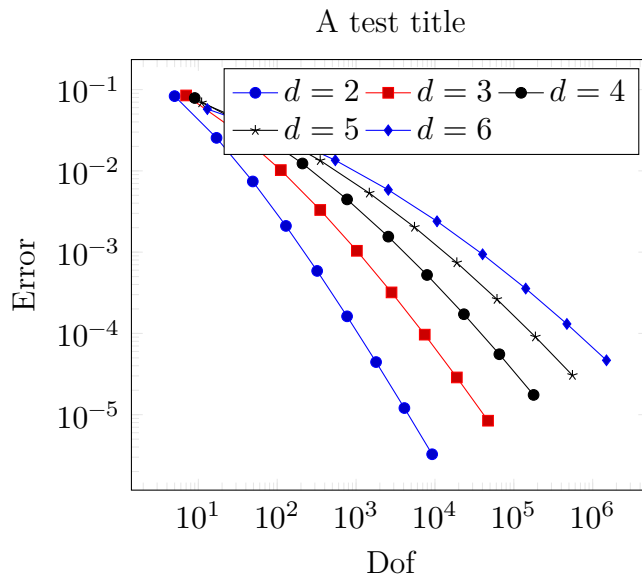
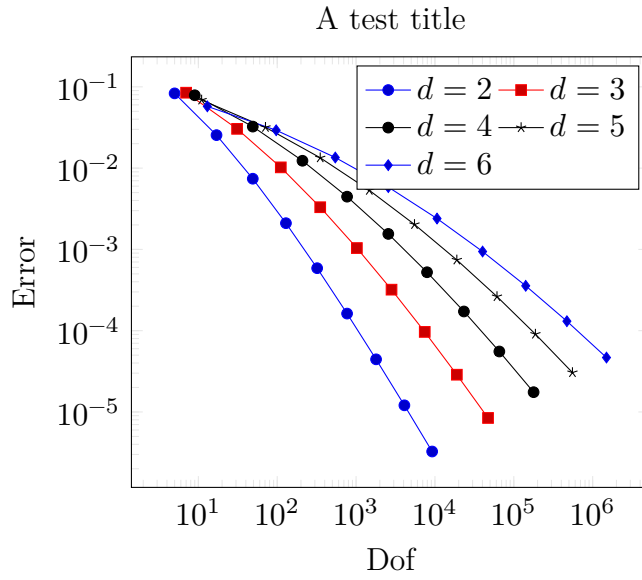
13.1.1 Old-format legends with two backslashes as separator

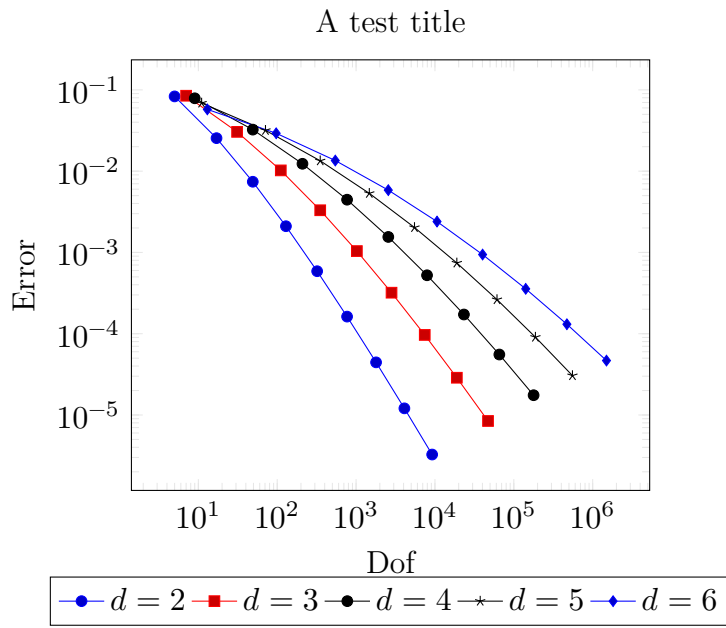
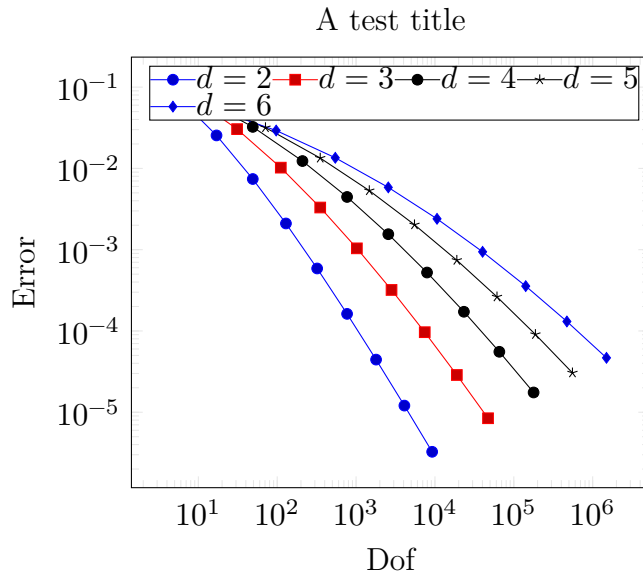


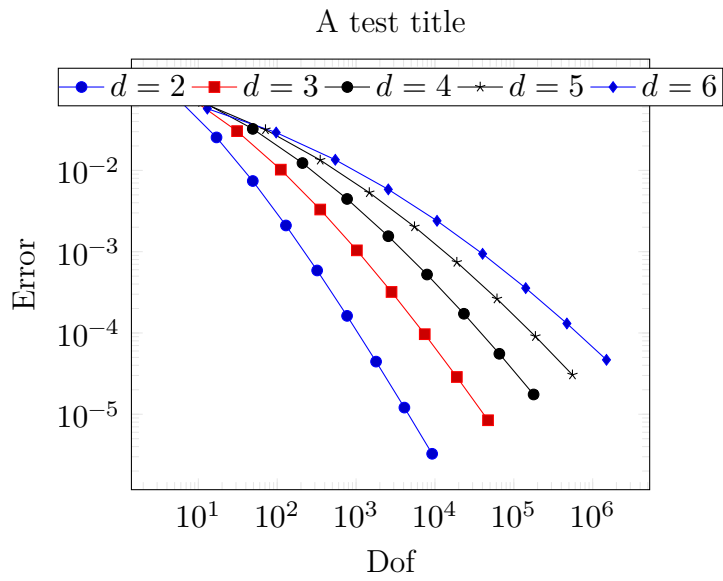
13.1.2 Using comma-separated-legends



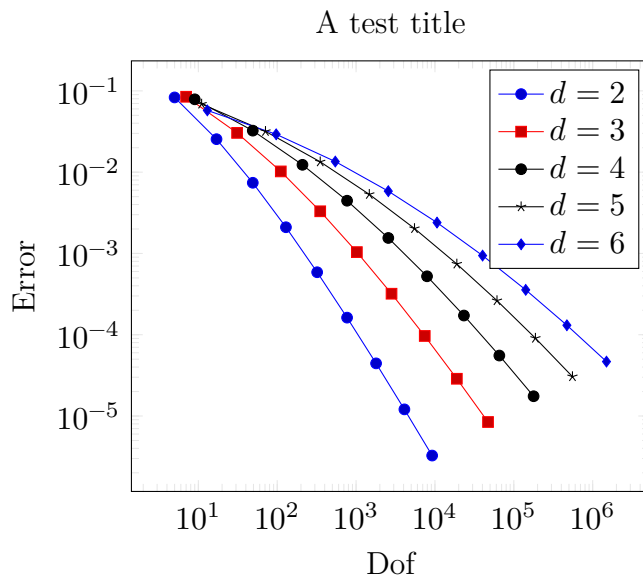
13.1.3 testing legend columns

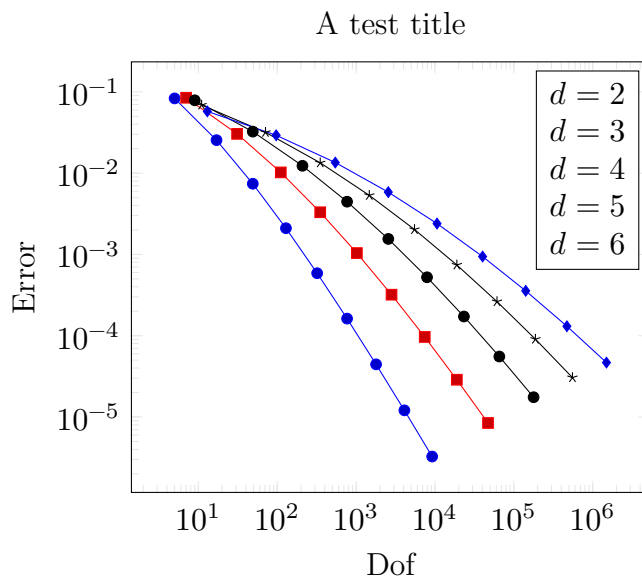
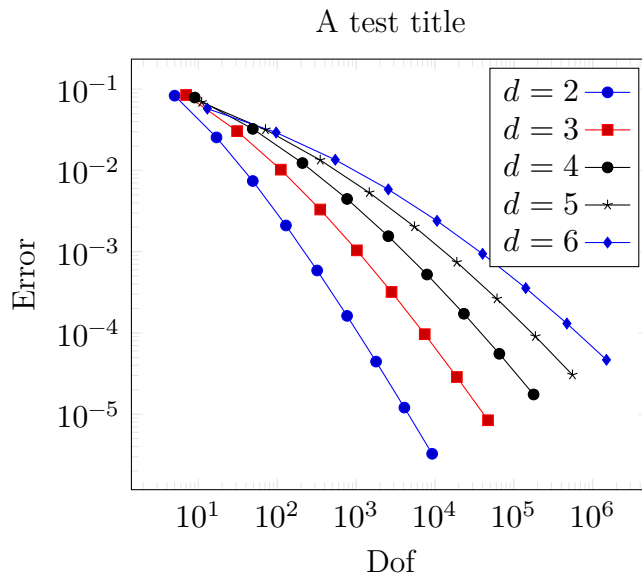






13.1.4 ``legend plot pos'' options



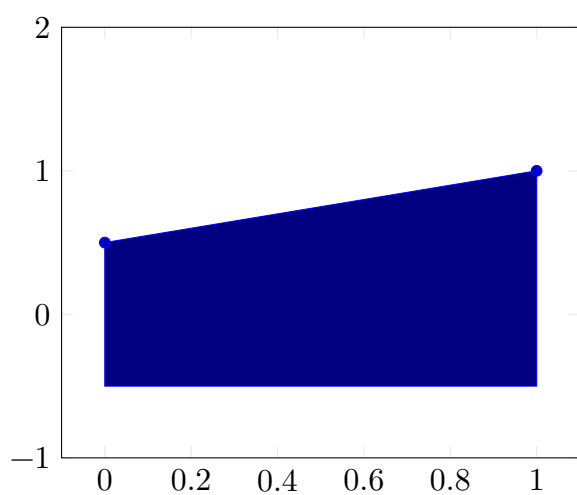


14 pgfplotstest.misc.tex

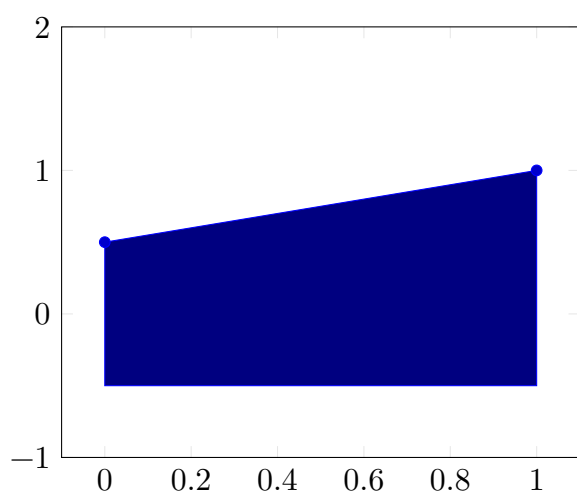
14.1 Paths after addplot

14.1.1 plot coordinates

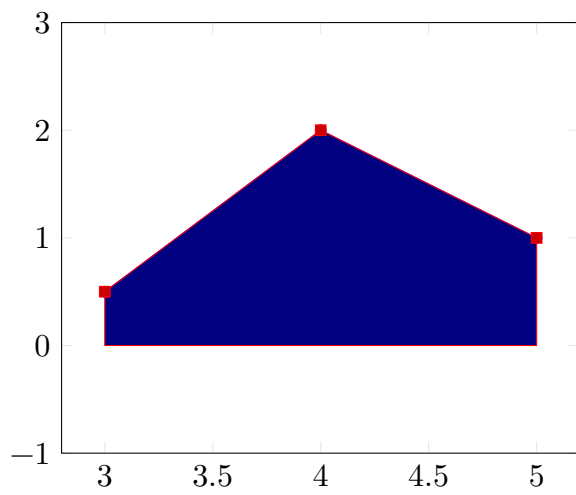
14.1.1.1 without space after 'coordinates'



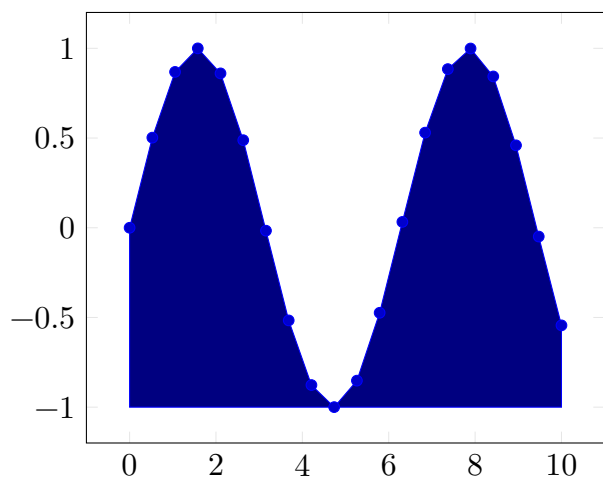
14.1.1.2 with space after 'coordinates'



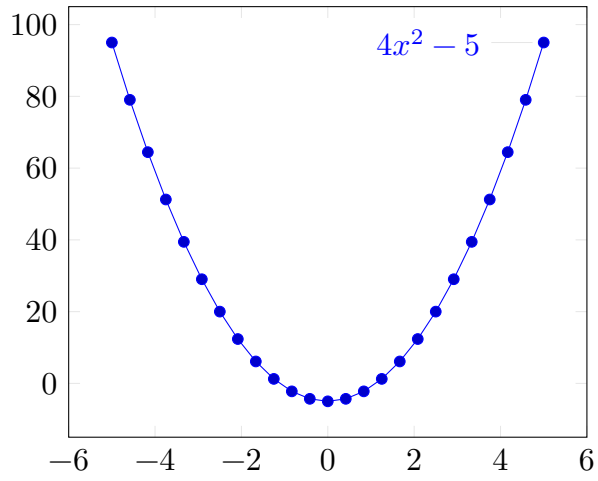
14.1.1.3 using closedcycle path



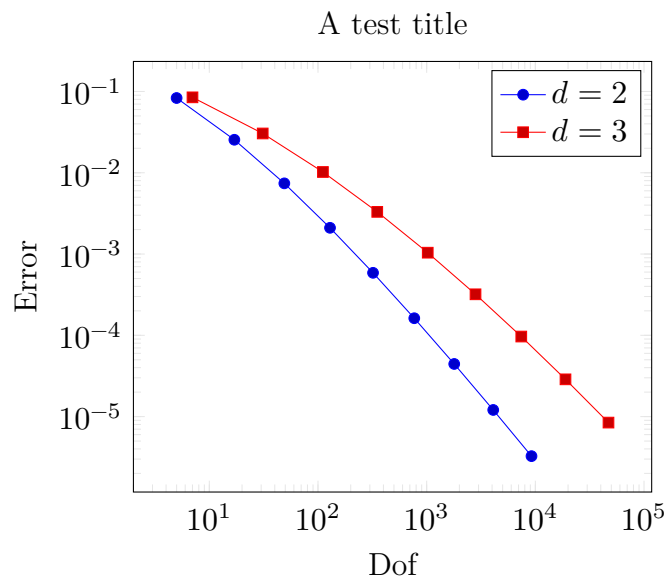
14.1.2 plot table



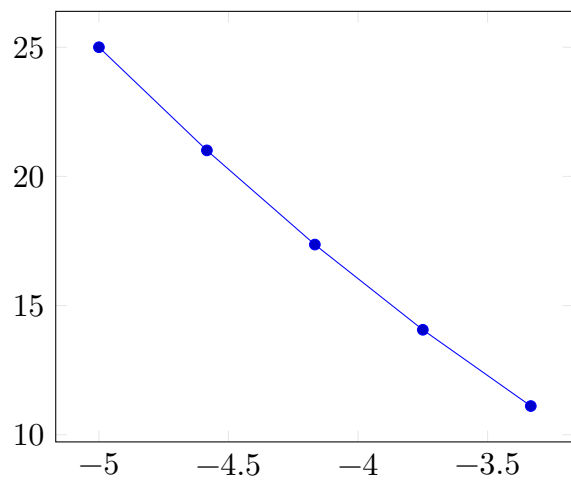
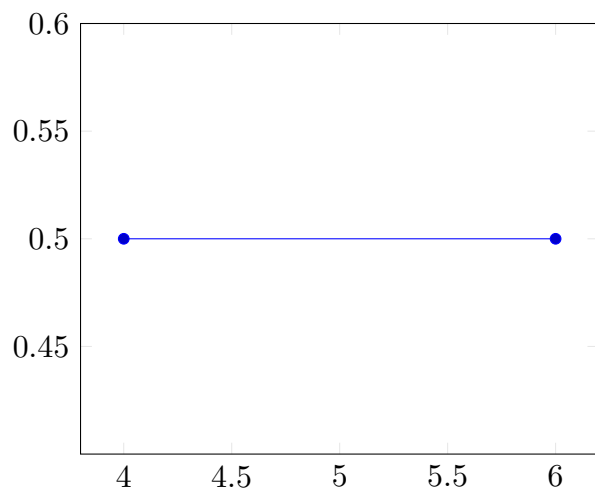
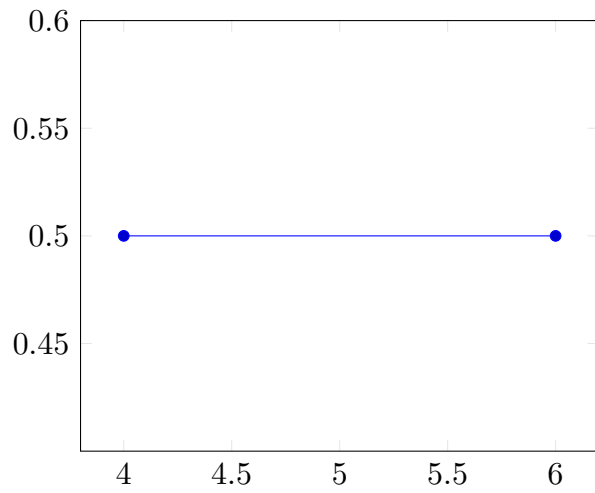
14.1.3 plot function



14.2 Title-option

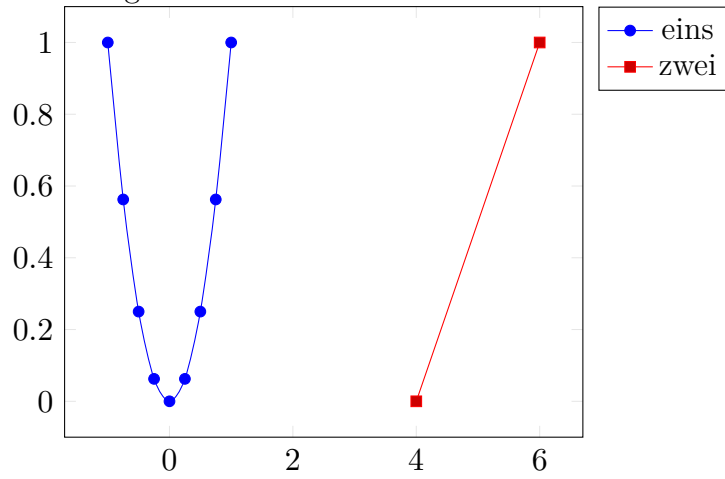


14.3 Filter test

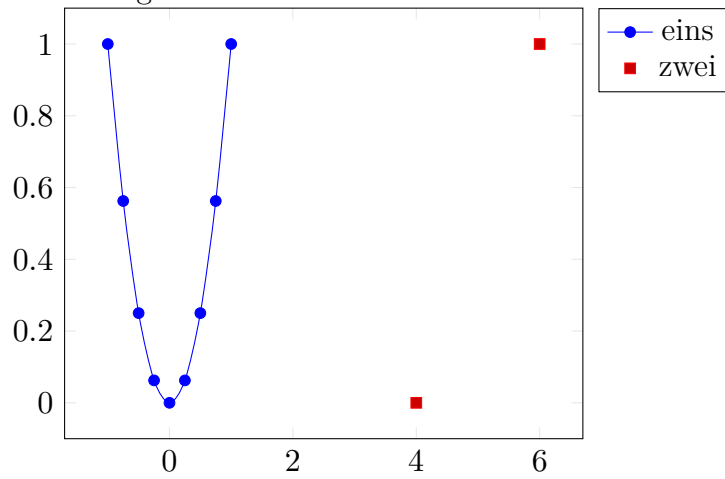


14.4 Test for addplot+[...]

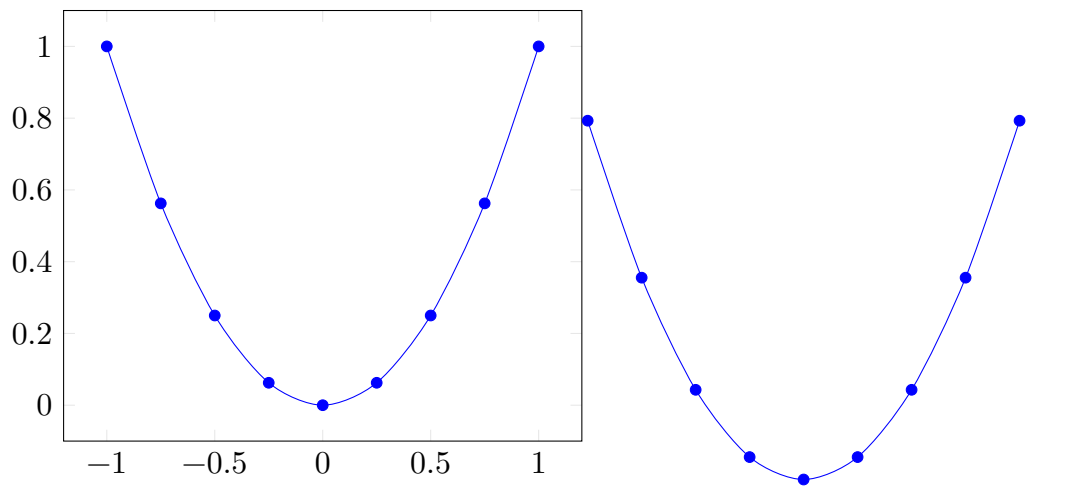
No Change:



with change:

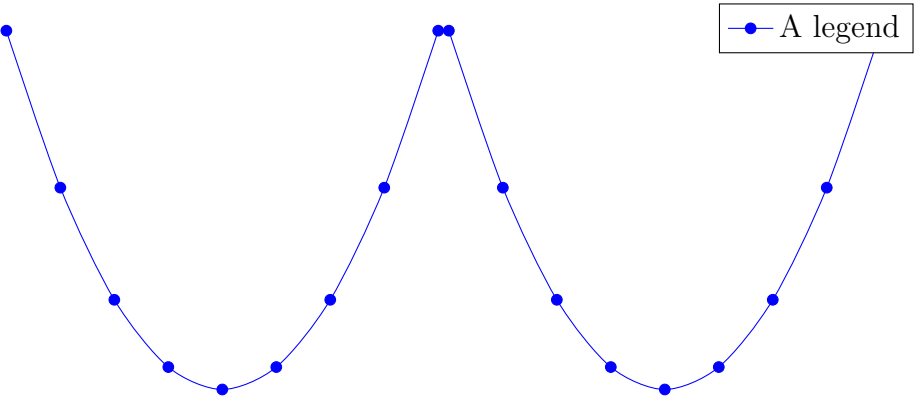


14.5 Hide axis test



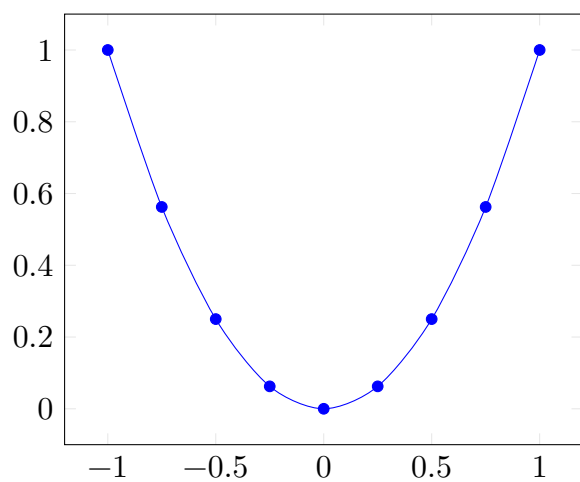
A plot with hidden axis

A plot with hidden axis

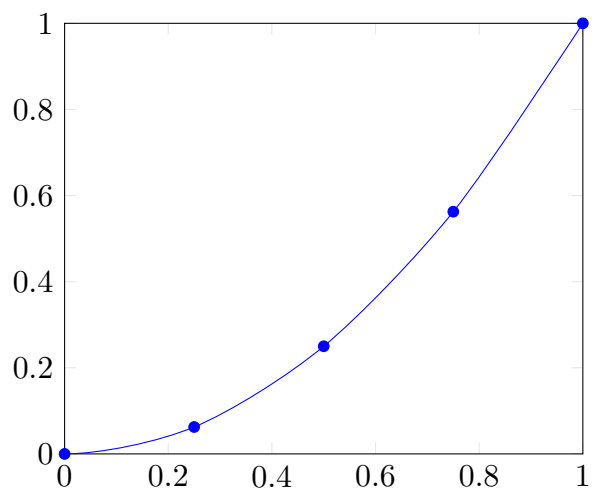


14.6 disabledatascaling / disablelogfilter

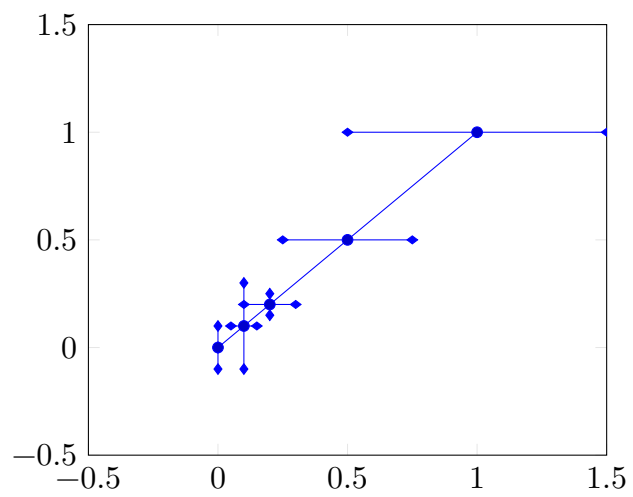
14.6.1 disabledatascaling



14.6.2 disabledatascaling + explicit limits



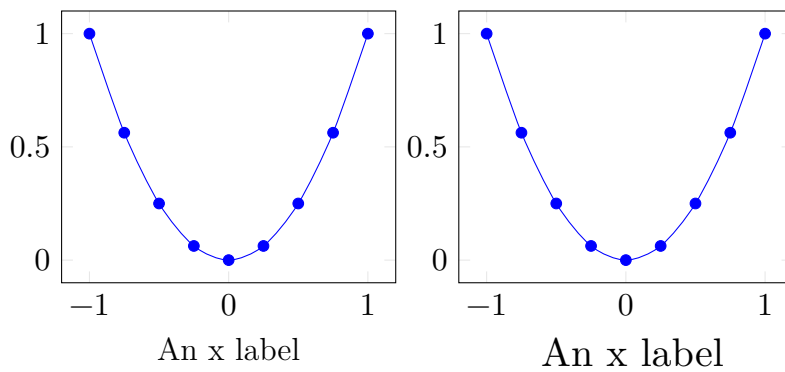
14.6.3 disabledatascaling + explicit limits + error bars



15 pgfplotstest.align.tex

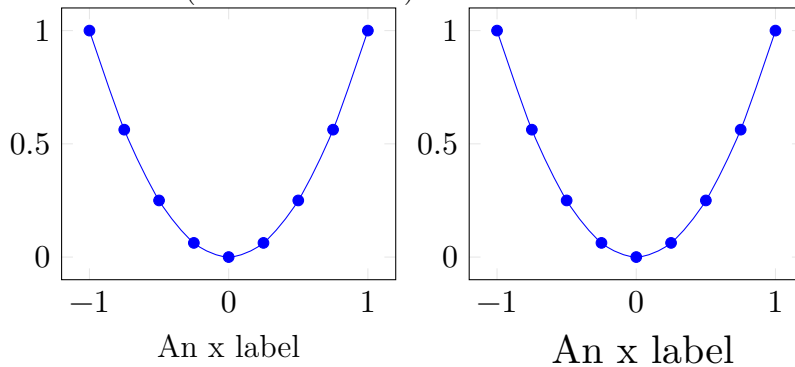
15.1 Anchors, alignment, baselines, sub nodes

15.1.1 Baseline alignment

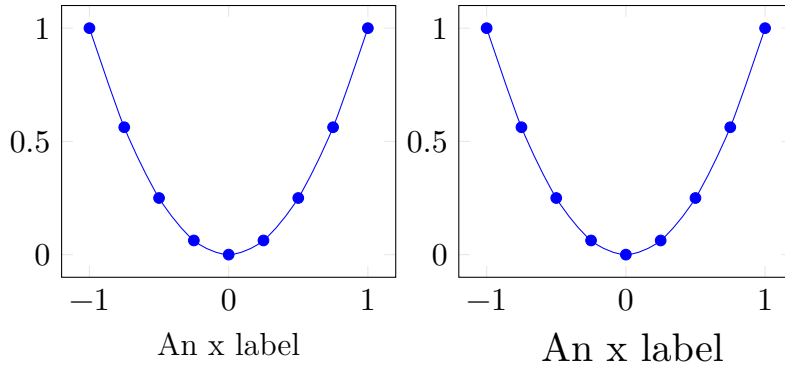


15.1.2 Baseline alignment and externalized graphics

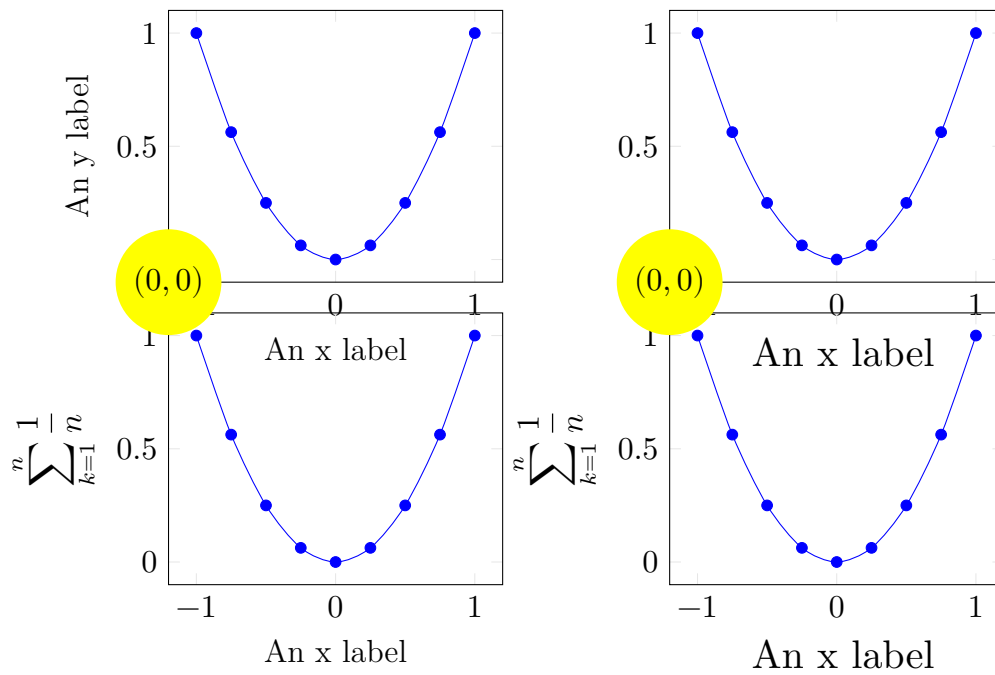
One needs `\beginpgfgraphicnamed` around the complete paragraph, so this here doesn't work (see source code):



15.1.3 Baseline alignment and externalized graphics II

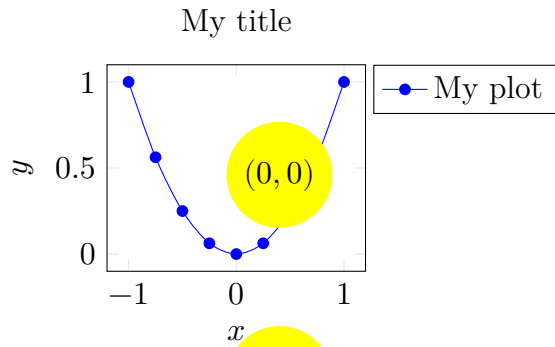


15.1.4 Horizontal and Vertical alignment

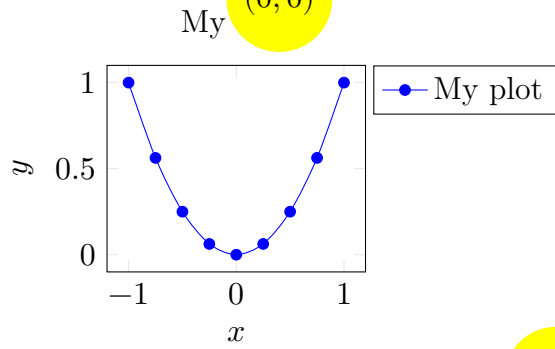


15.1.5 Anchortest

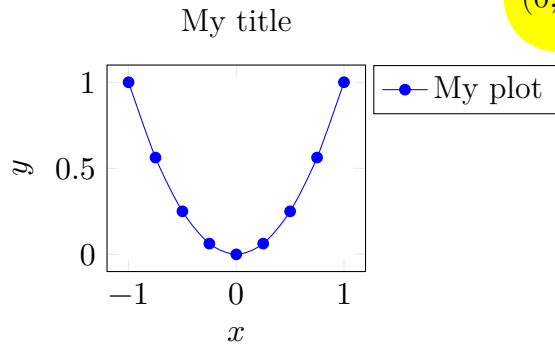
outer center:



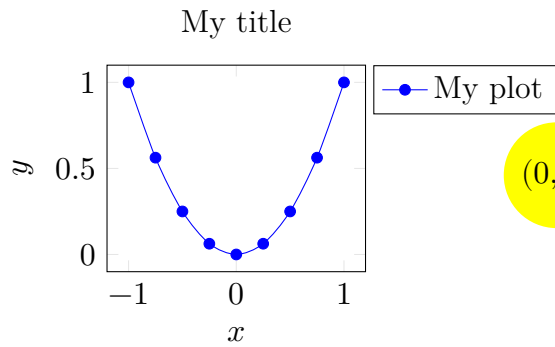
outer north:



outer north east:

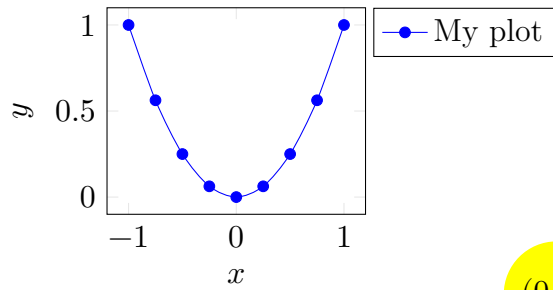


outer east:



outer south east:

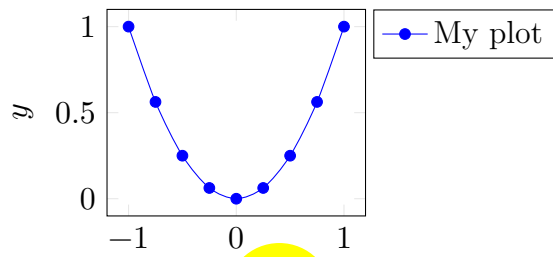
My title



(0, 0)

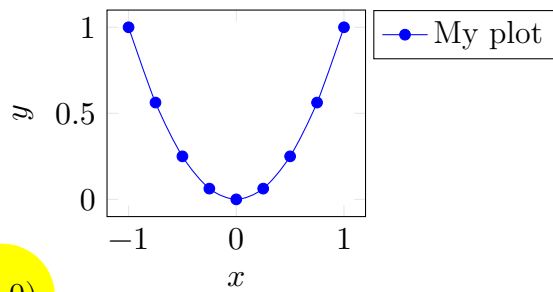
outer south:

My title



outer south west:

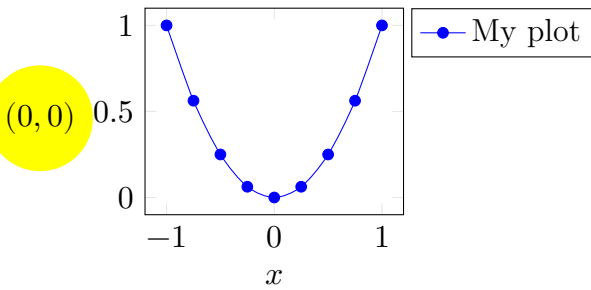
My title



(0, 0)

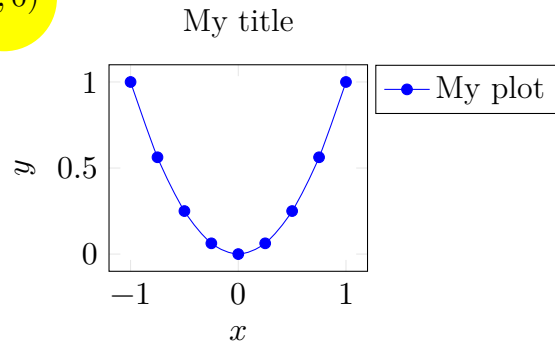
outer west:

My title

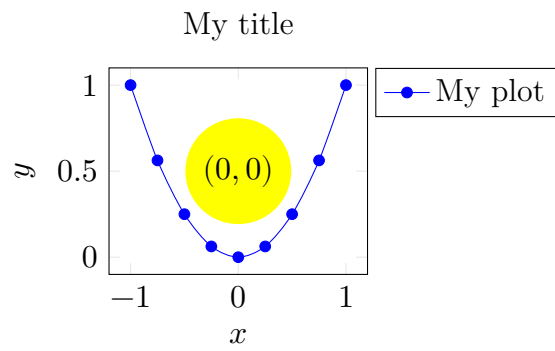


(0, 0)

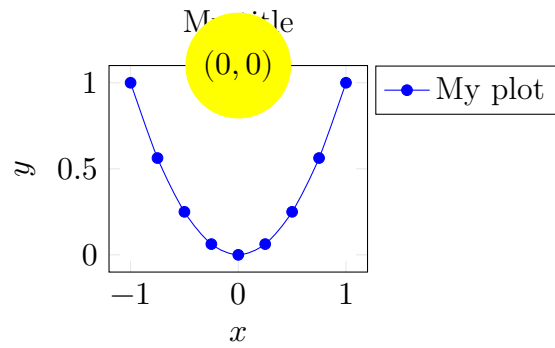
(0,0) er north west:



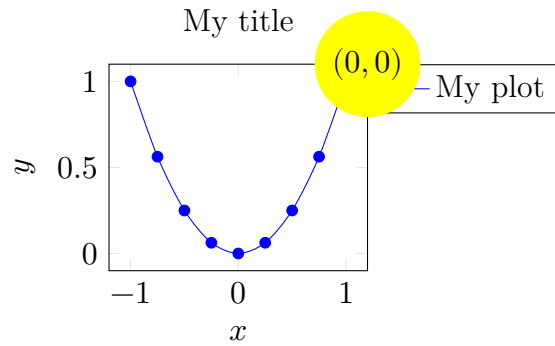
center:



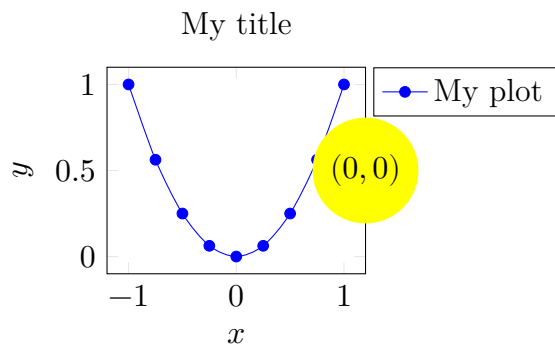
north:



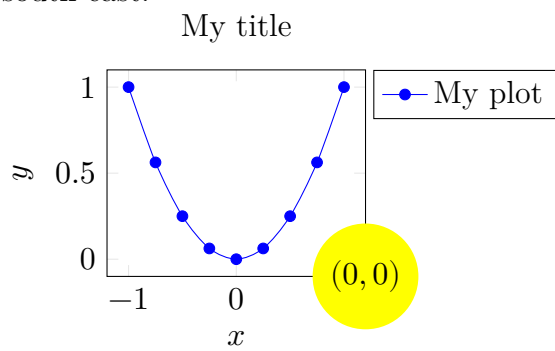
north east:



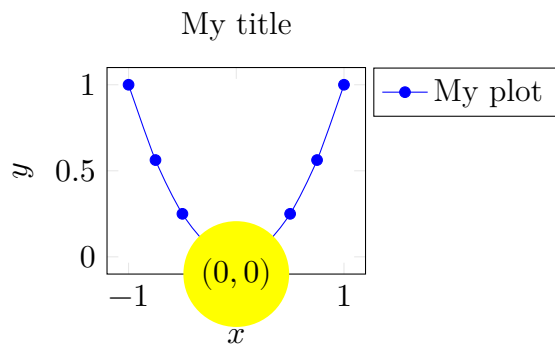
east:



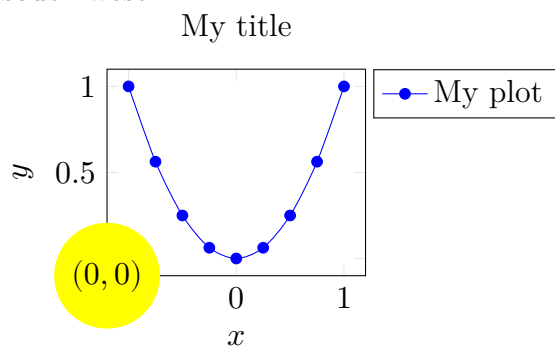
south east:



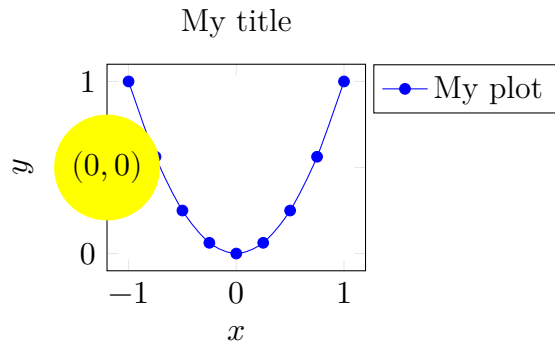
south:



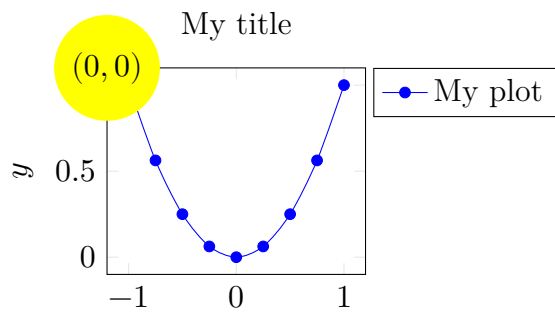
south west:



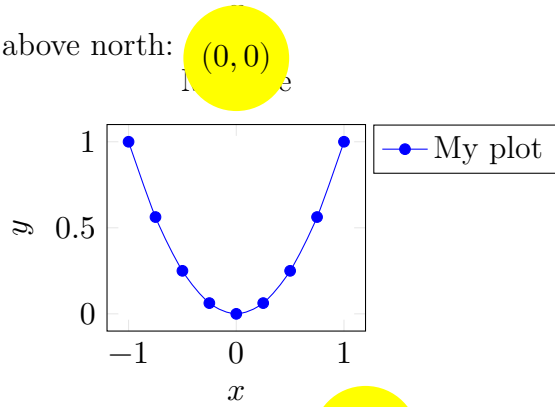
west:



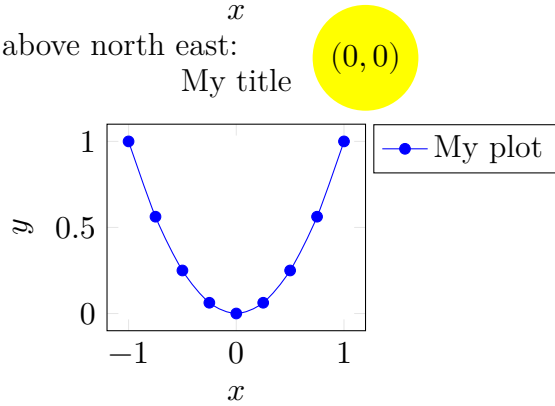
north west:



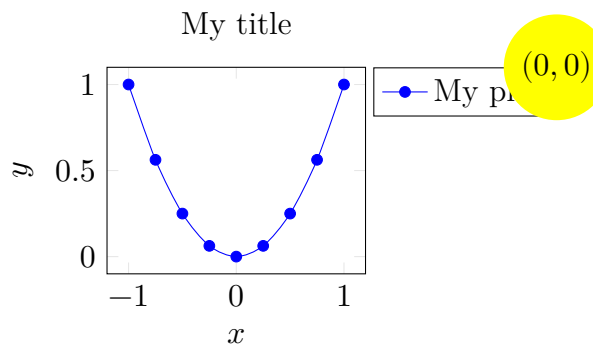
above north:



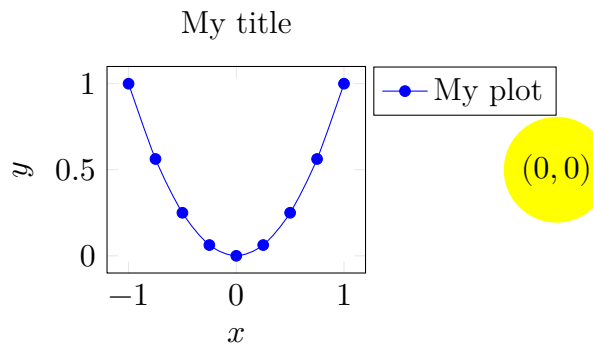
above north east:



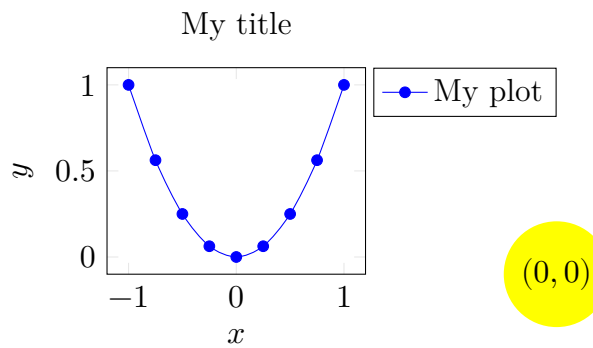
right of north east:



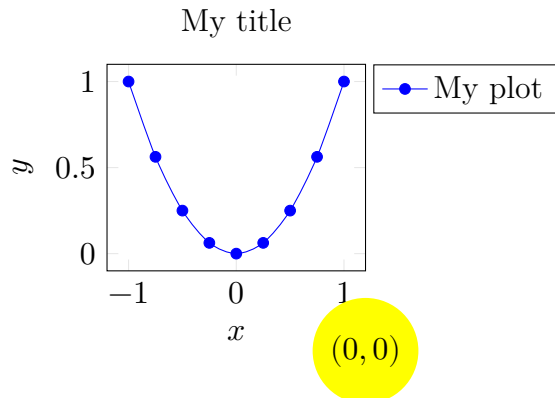
right of east:



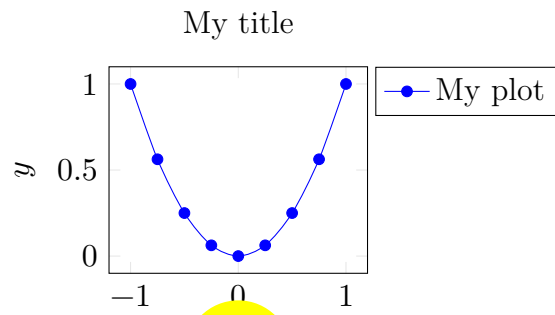
right of south east:



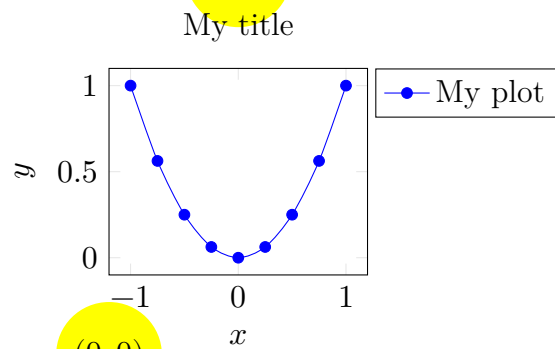
below south east:



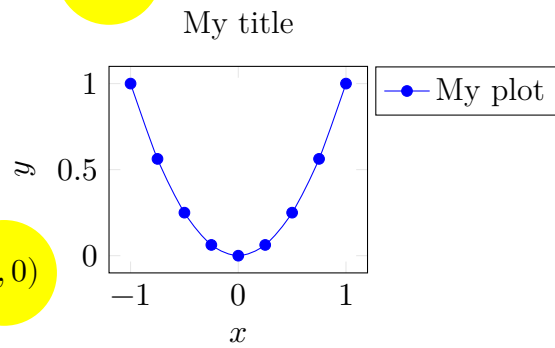
below south:



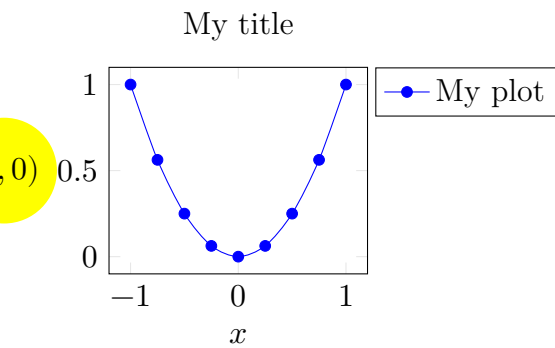
below south west:



left of south west:



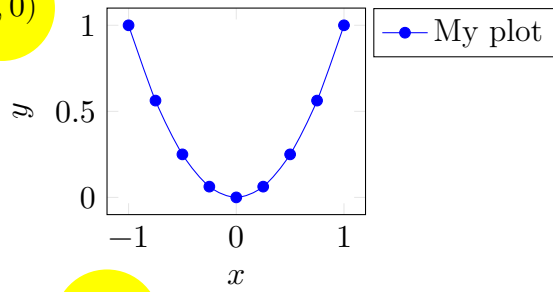
left of west:



left of north west:

My title

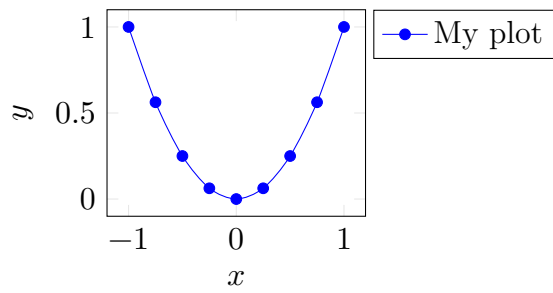
(0,0)



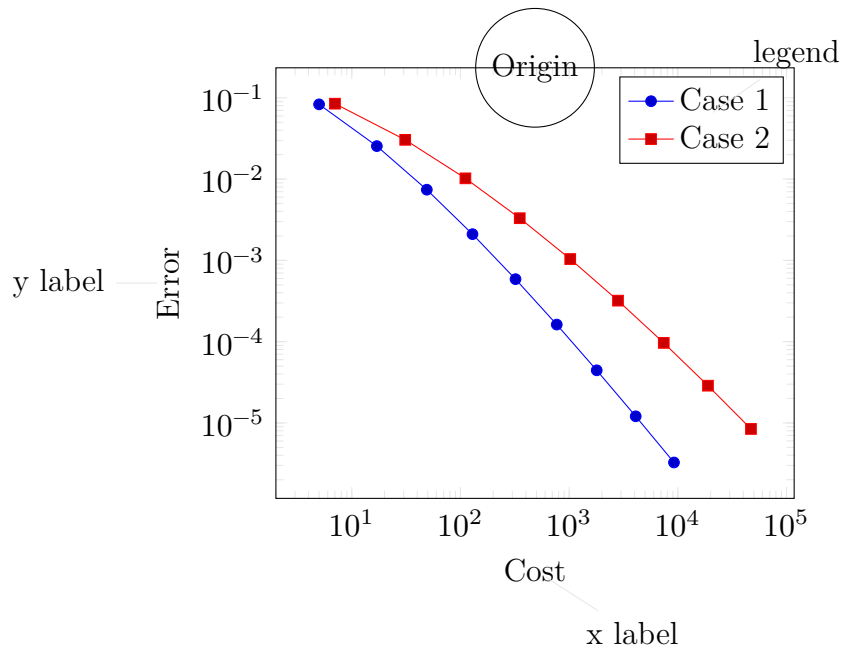
above north west:

My title

(0,0)

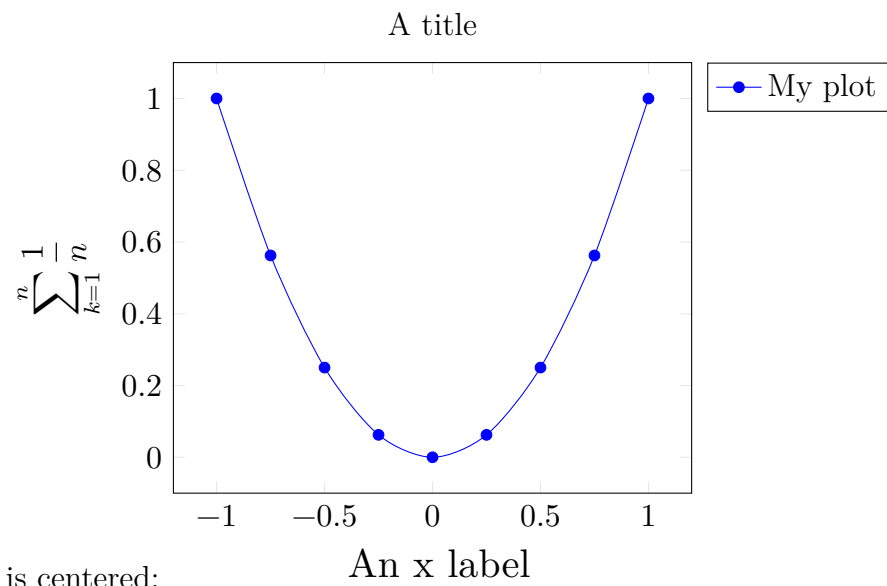


15.1.6 Accessing sub-nodes



15.1.7 Funny bounding boxes

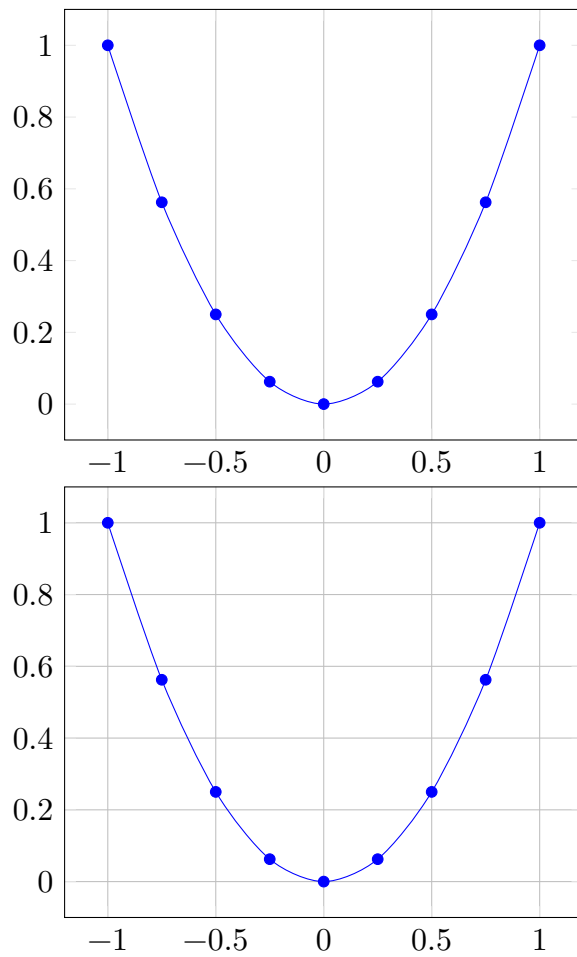
15.1.7.1 (my plot.below south west) rectangle (my plot.above north east)

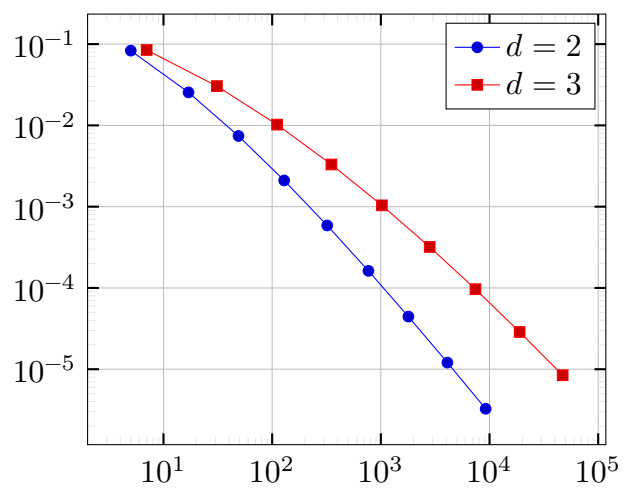
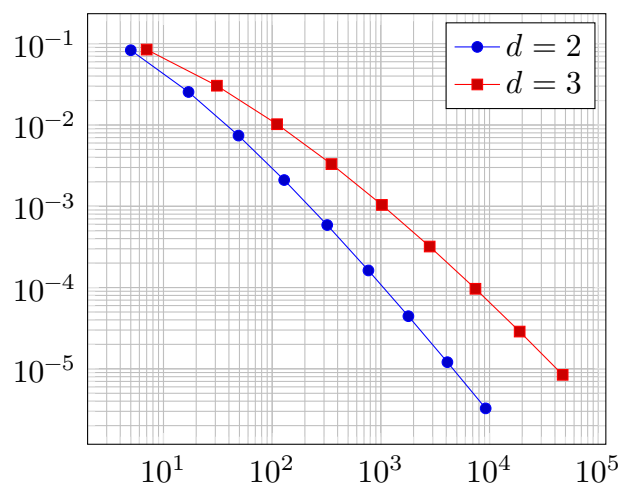
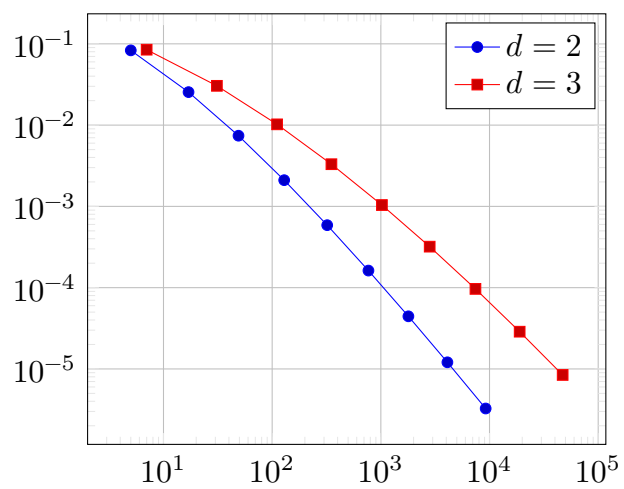


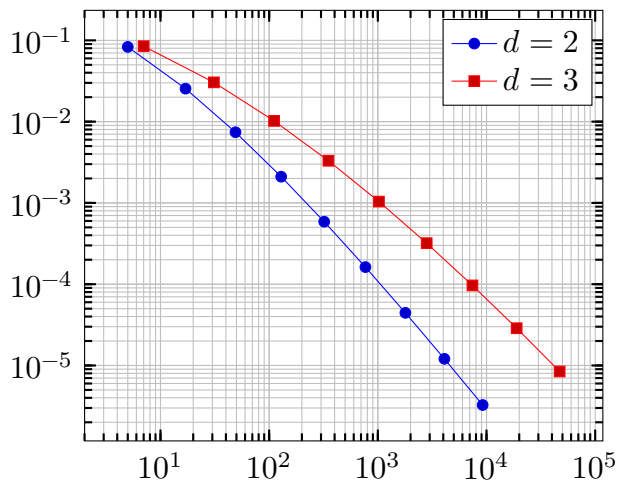
The following figure is centered:

16 pgfplotstest.gridtick.tex

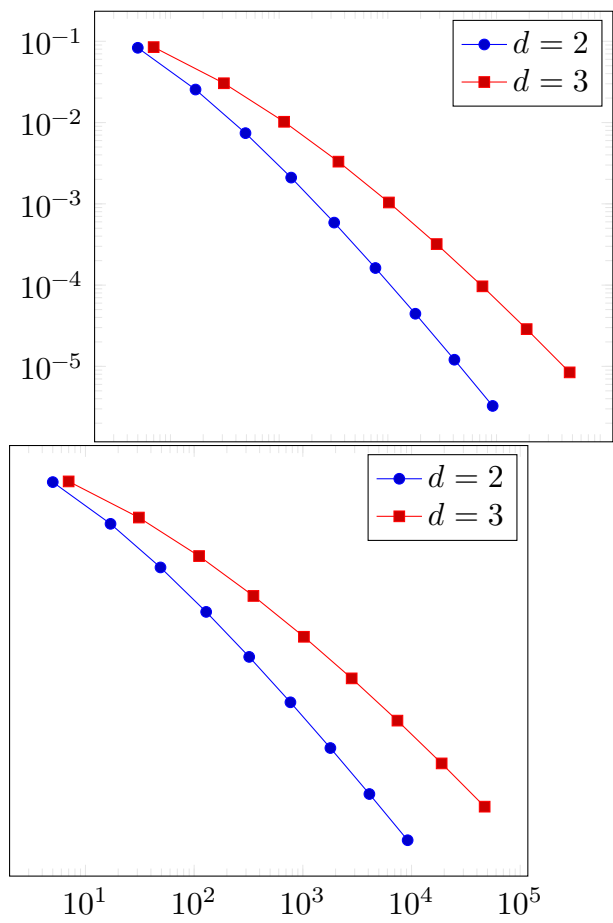
16.1 Grid lines test

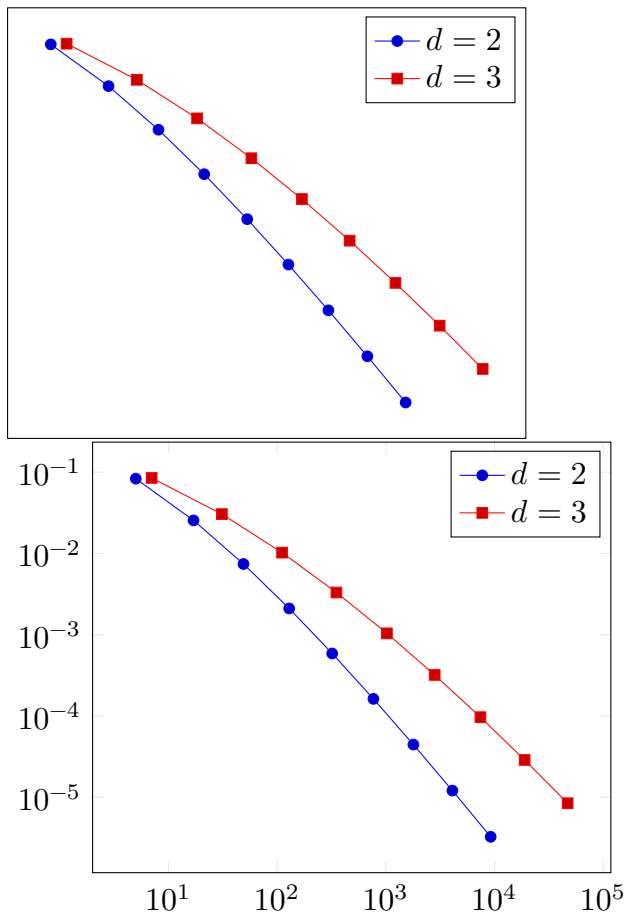




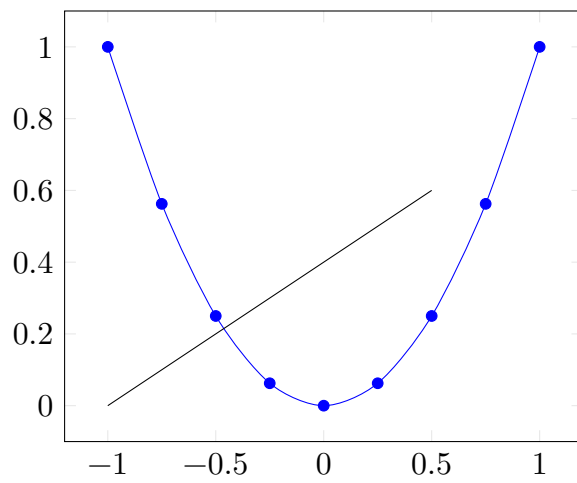


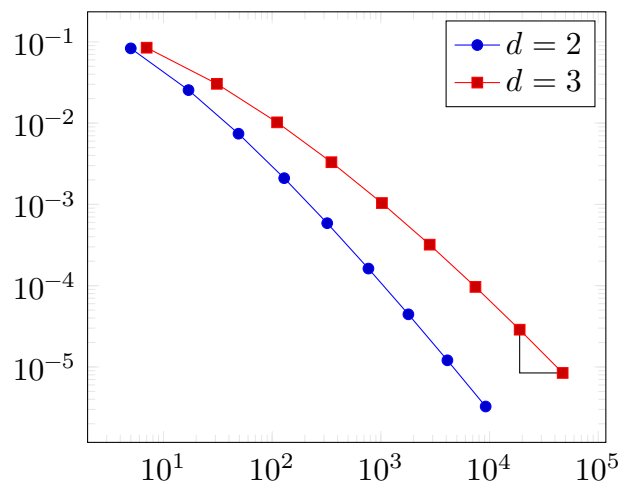
16.2 Tick lines test





16.3 TikZ-coordinate system ``axis''

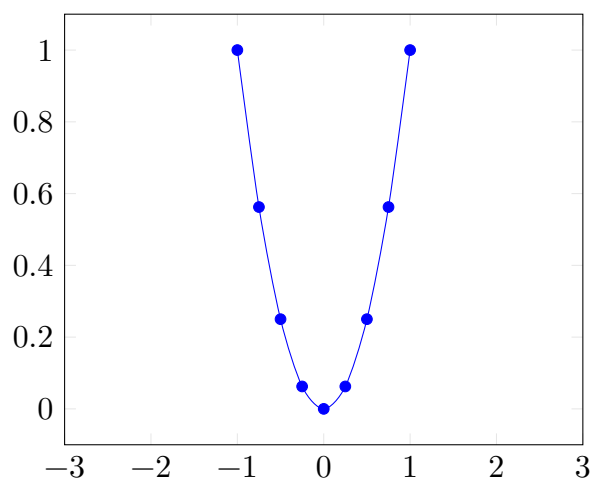




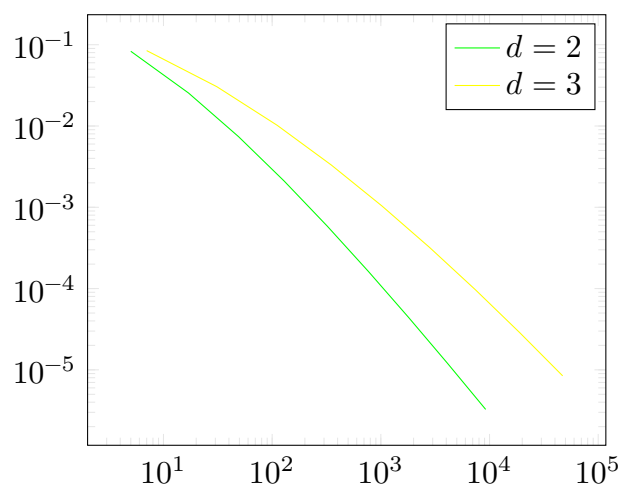
17 pgfplotstest.styles.tex

17.1 Style-tests

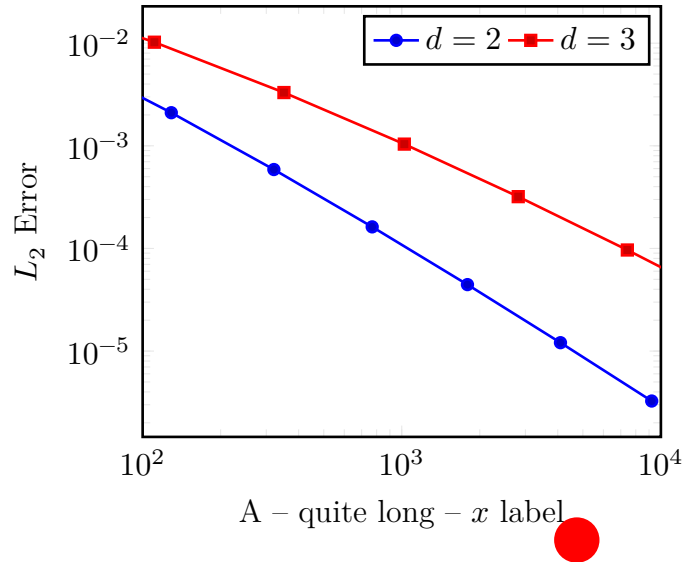
17.1.1 Limits in ‘every axis’; ‘cycle list’ option and ‘cycle list name’ option



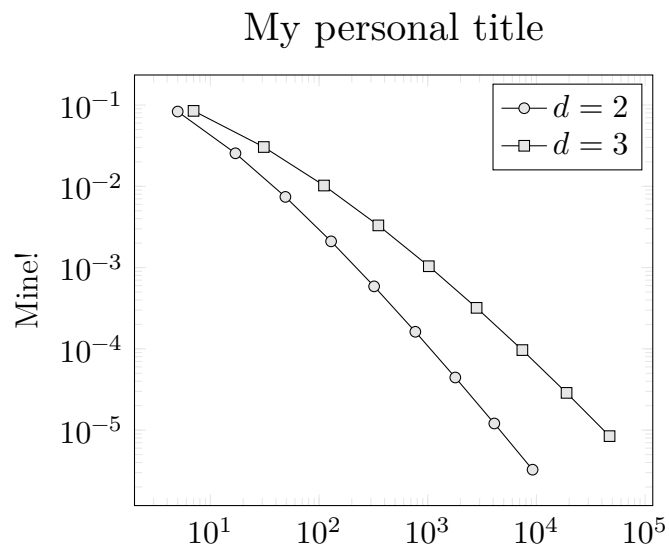
17.1.2 testing ‘every loglog axis’ style



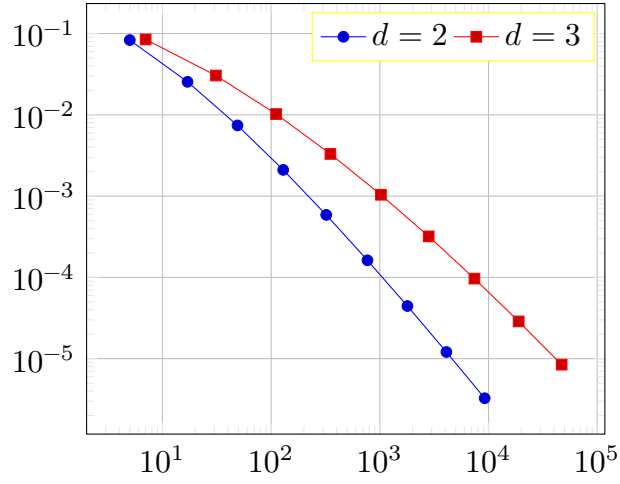
17.1.3 Using several ‘every ...’ styles



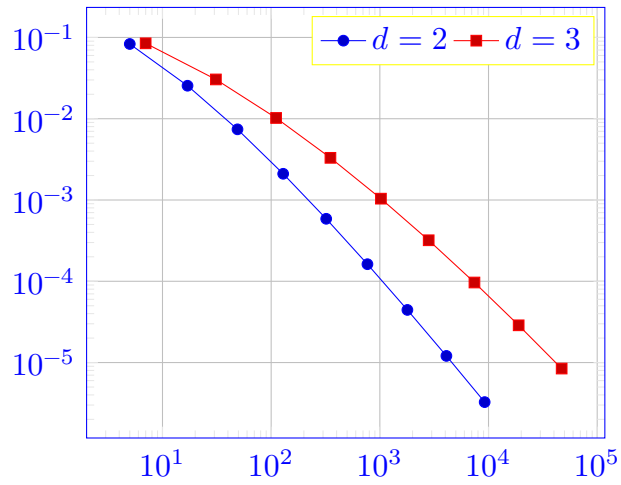
17.1.4 Using the ‘style=’ option

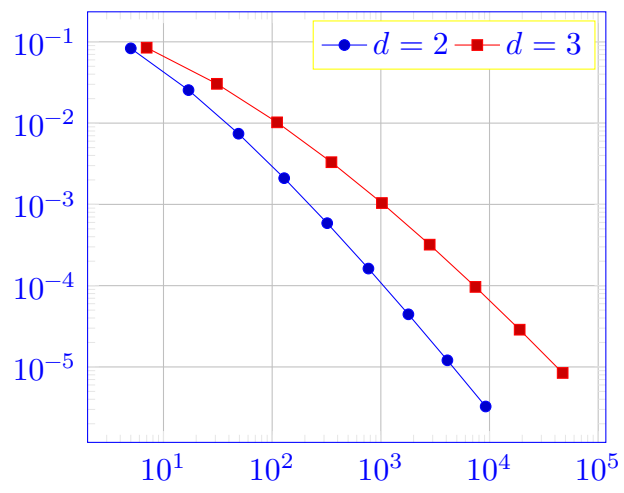


17.1.5 legend style, grid style, x label style etc. options

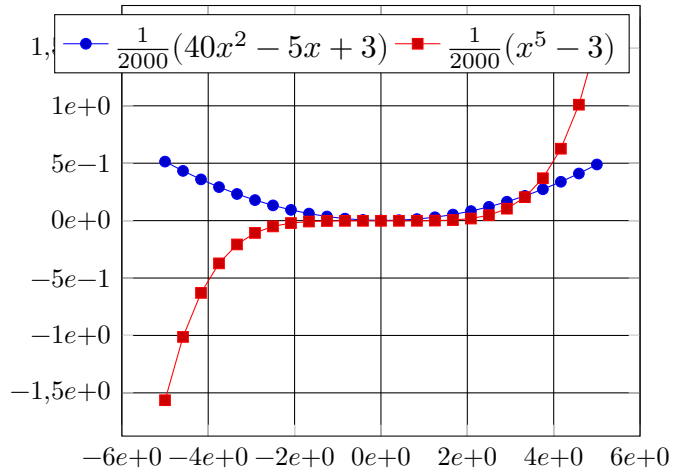


17.1.6 Providing TikZ-options to either tikzpicture or axis

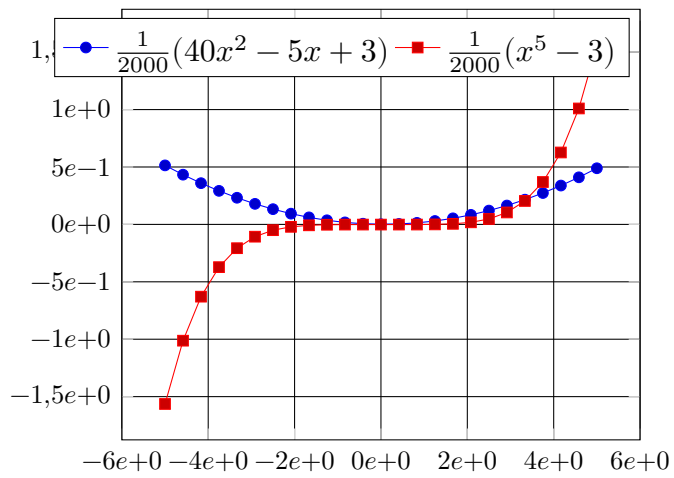




17.1.7 Collecting many options together

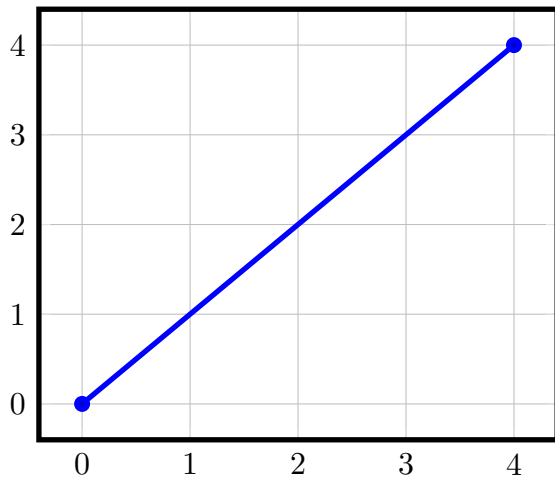


17.1.7.1 Putting the same options into a style...

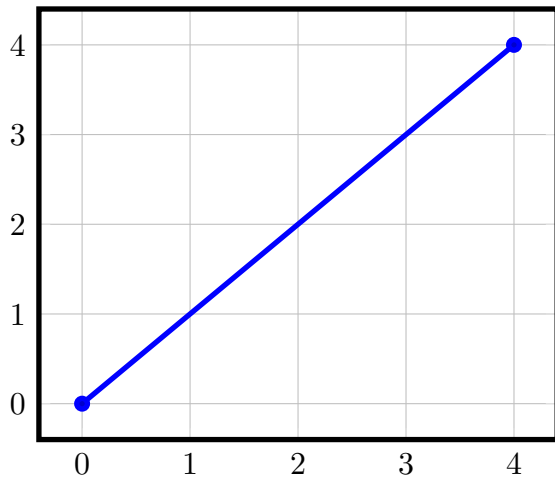


17.1.8 Line width

17.1.8.1 2pt global

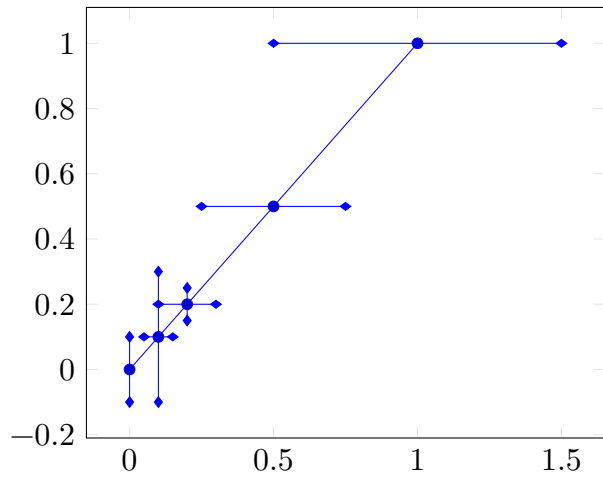


17.1.8.2 2pt in every axis

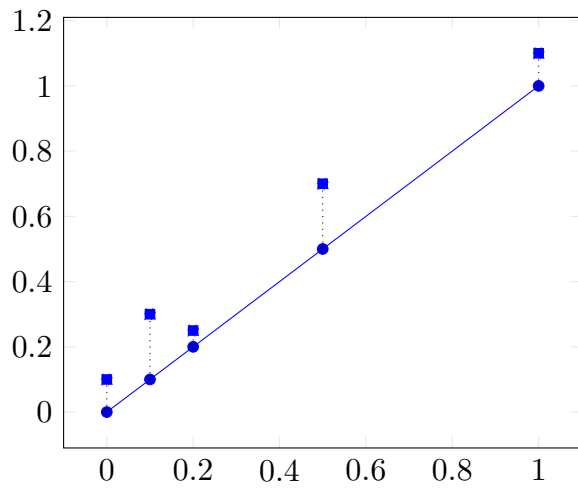


18 pgfplotstest.errorbars.tex

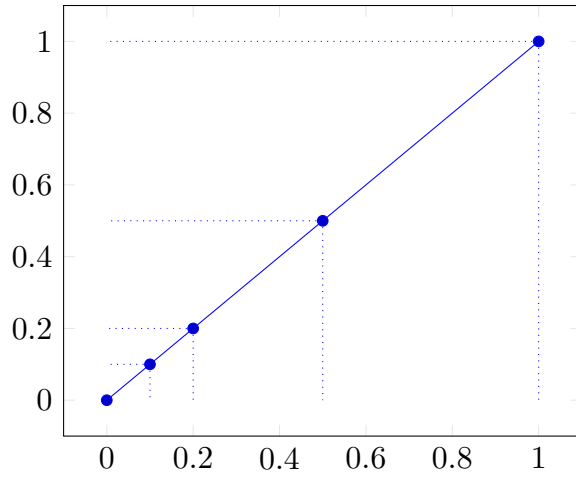
18.1 Errorbars



1 changing styles

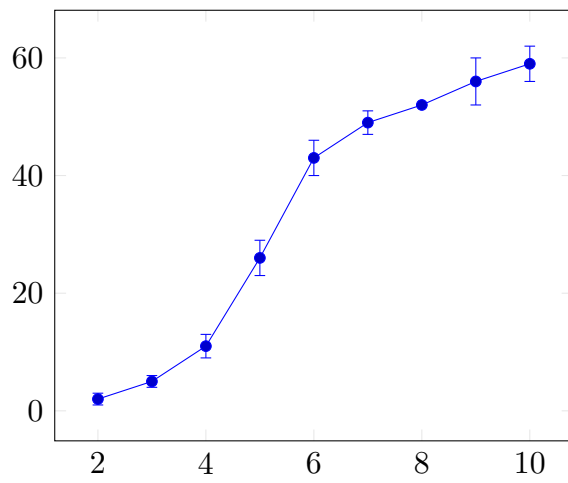


2 using 100% minus



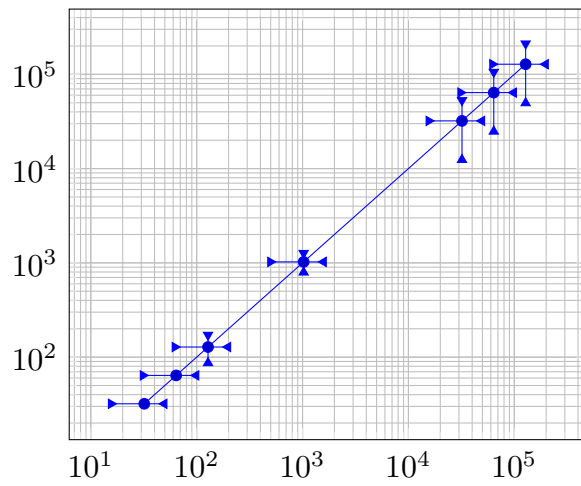
3 with plot table

maxlevel versus cgiter, table ??tbl:k

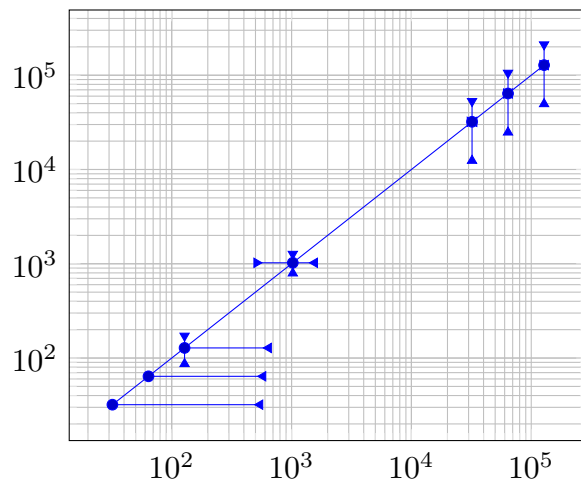


18.1.1 Log-plot

18.1.1.1 relative errors

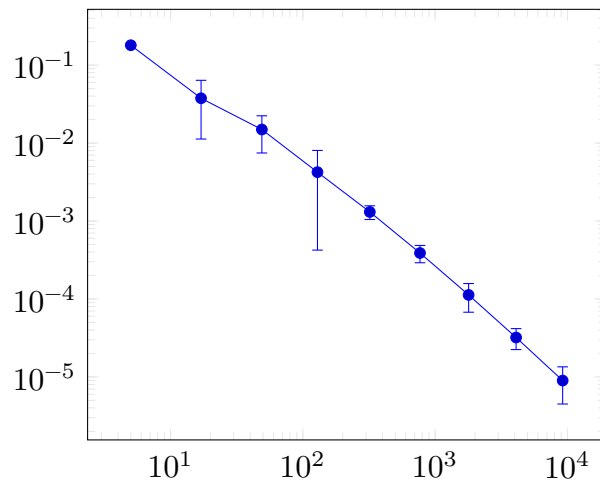


18.1.1.2 x fixed=500, y explicit relative



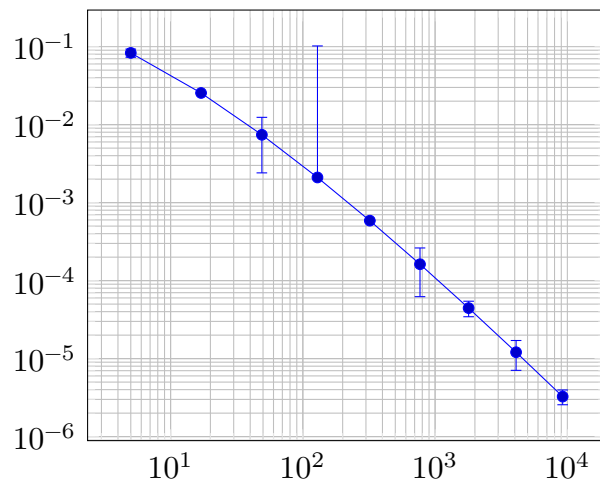
18.1.1.3 with plot table

dof versus Lmax, table ??tbl:k



18.1.1.4 with plot table absolute

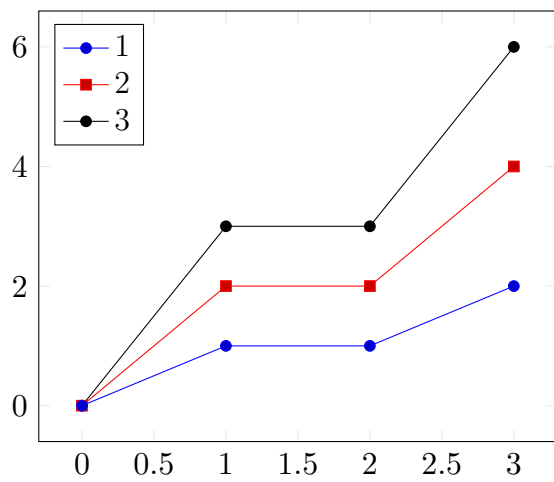
dof versus L2, table ??tbl:k



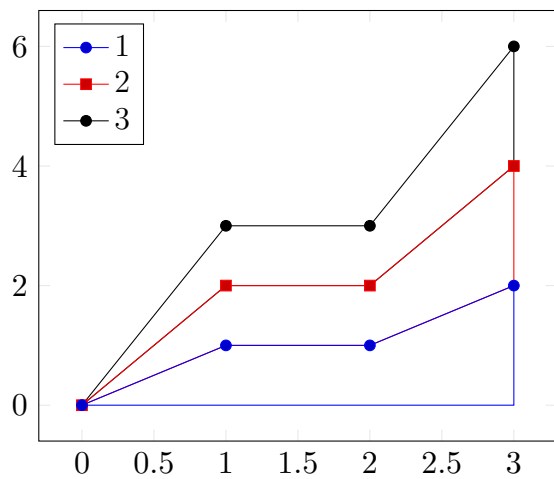
19 pgfplotstest.plottypes.tex

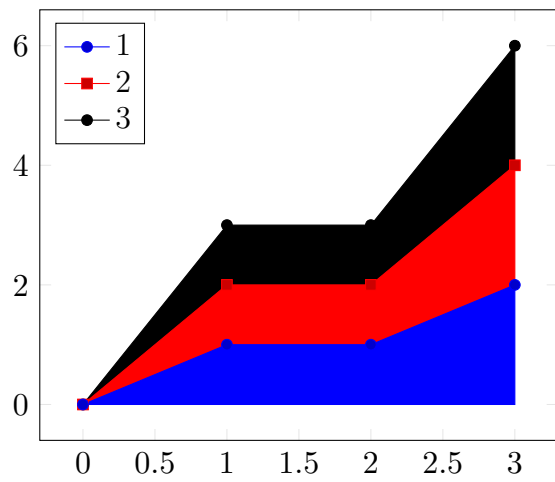
19.1 Stacked plots

19.1.1 stack y, sharp plot

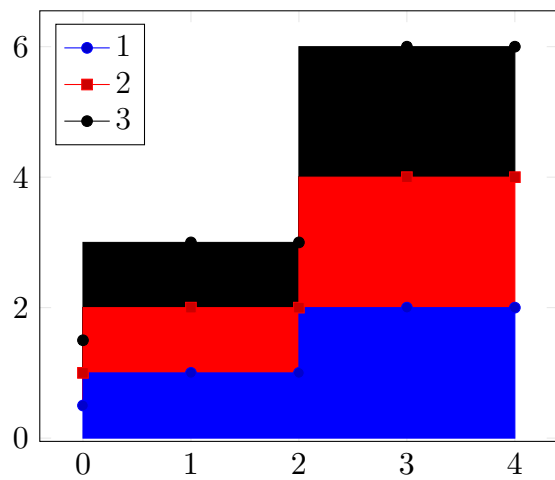
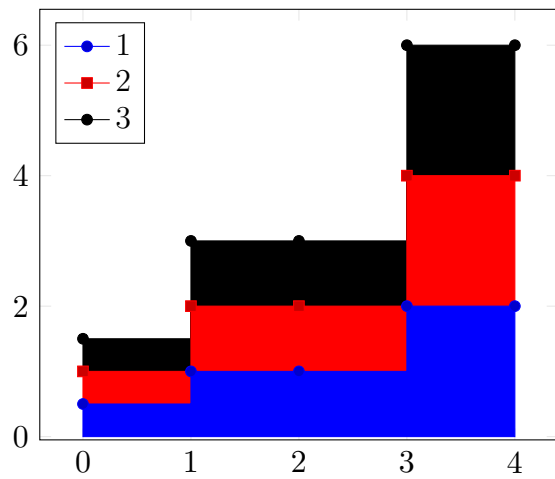


19.1.1.1 with closedcycle

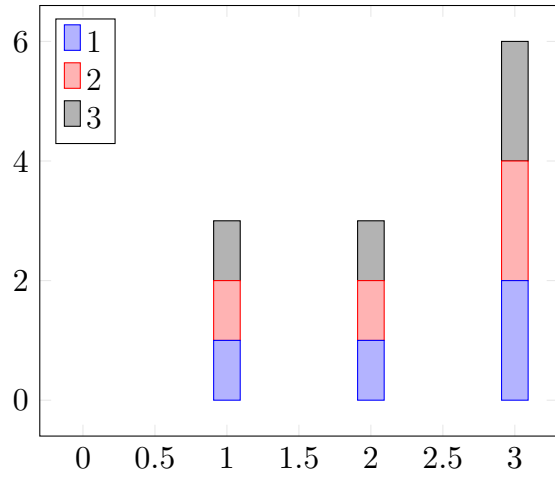




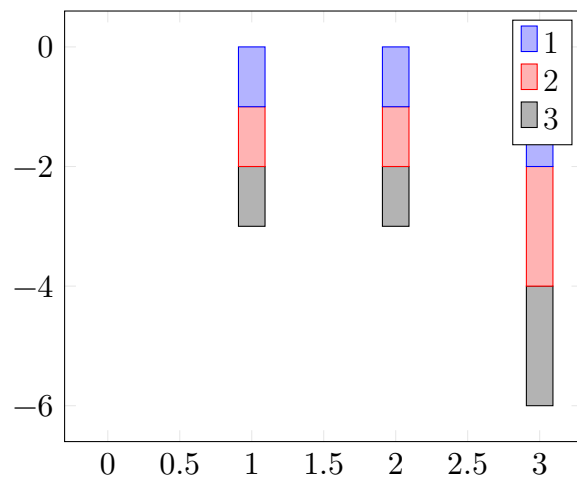
19.1.1.2 with closedcycle and const plots



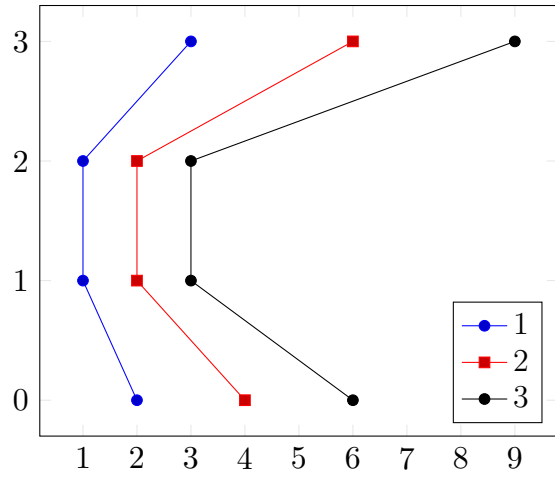
19.1.2 stack y, ybar



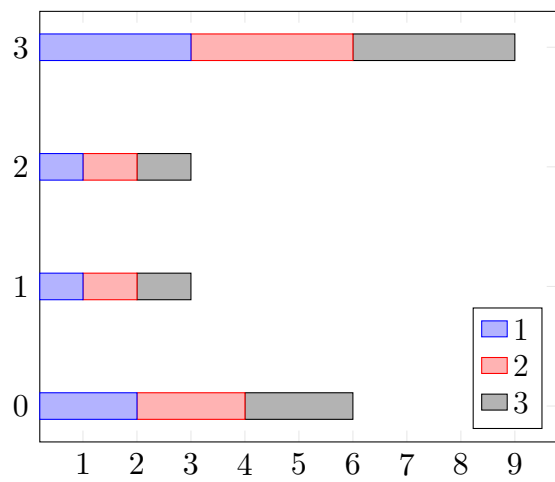
19.1.3 stack y, ybar, minus



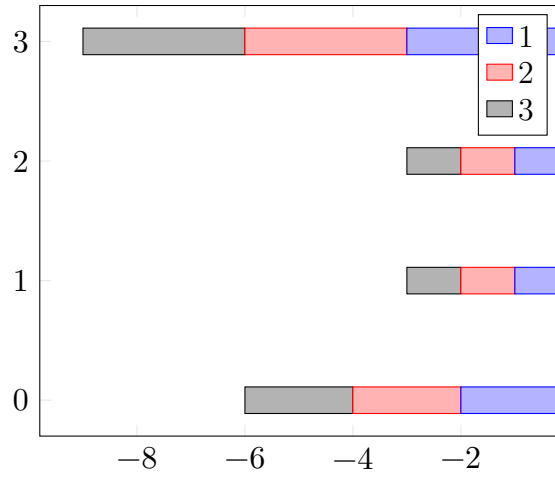
19.1.4 stack x, sharp plot [not useful]



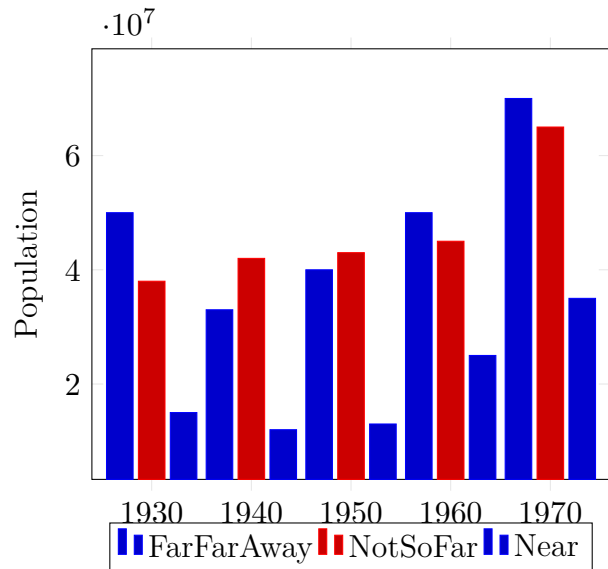
19.1.5 stack x, xbar



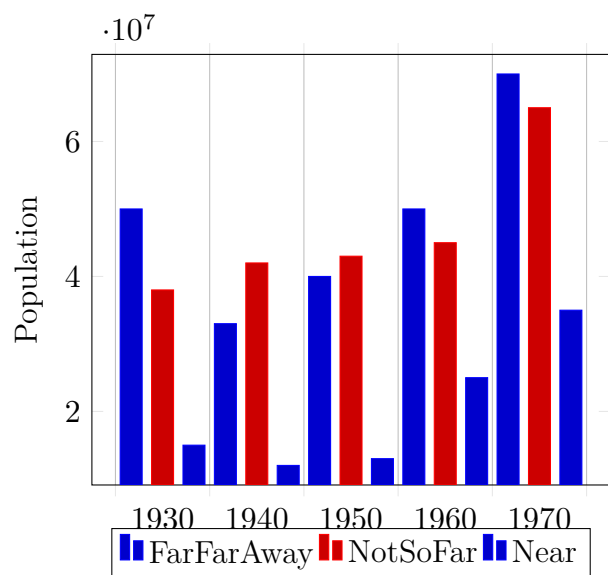
19.1.6 stack x, xbar, minus

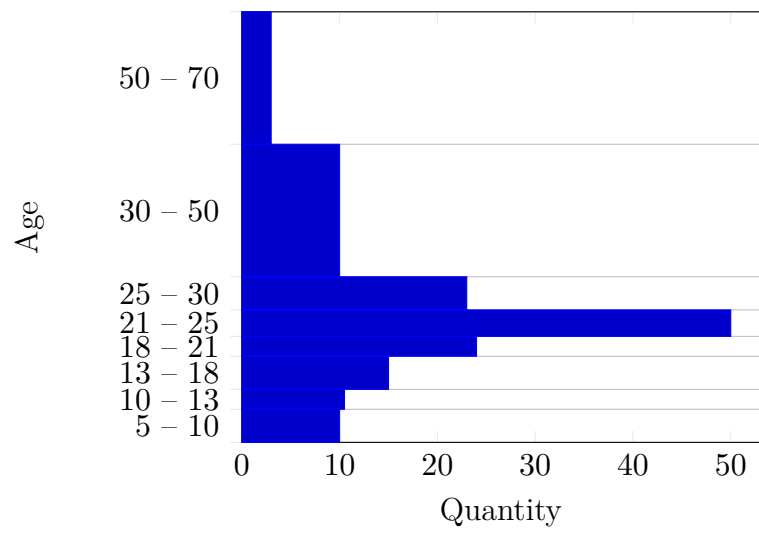


19.2 Bar diagrams

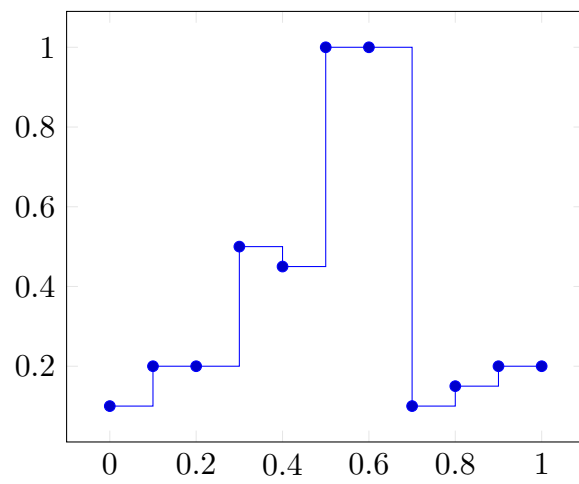


19.2.1 Interval bar handlers

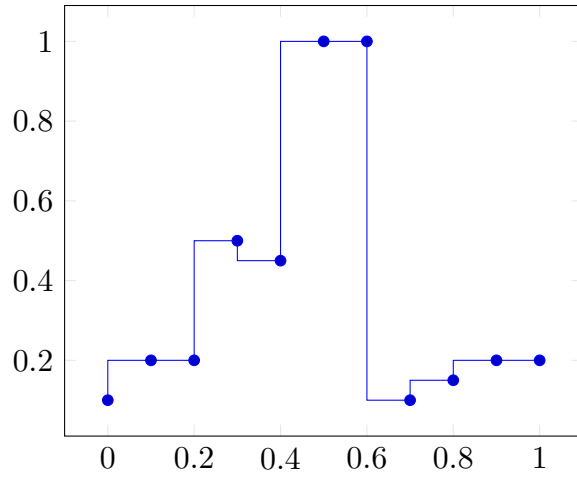




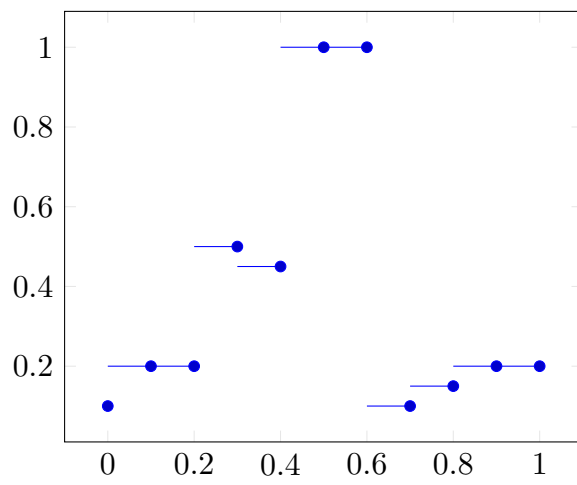
19.3 const plot



19.4 const plot mark right



19.5 jump mark right



19.6 jump mark left

