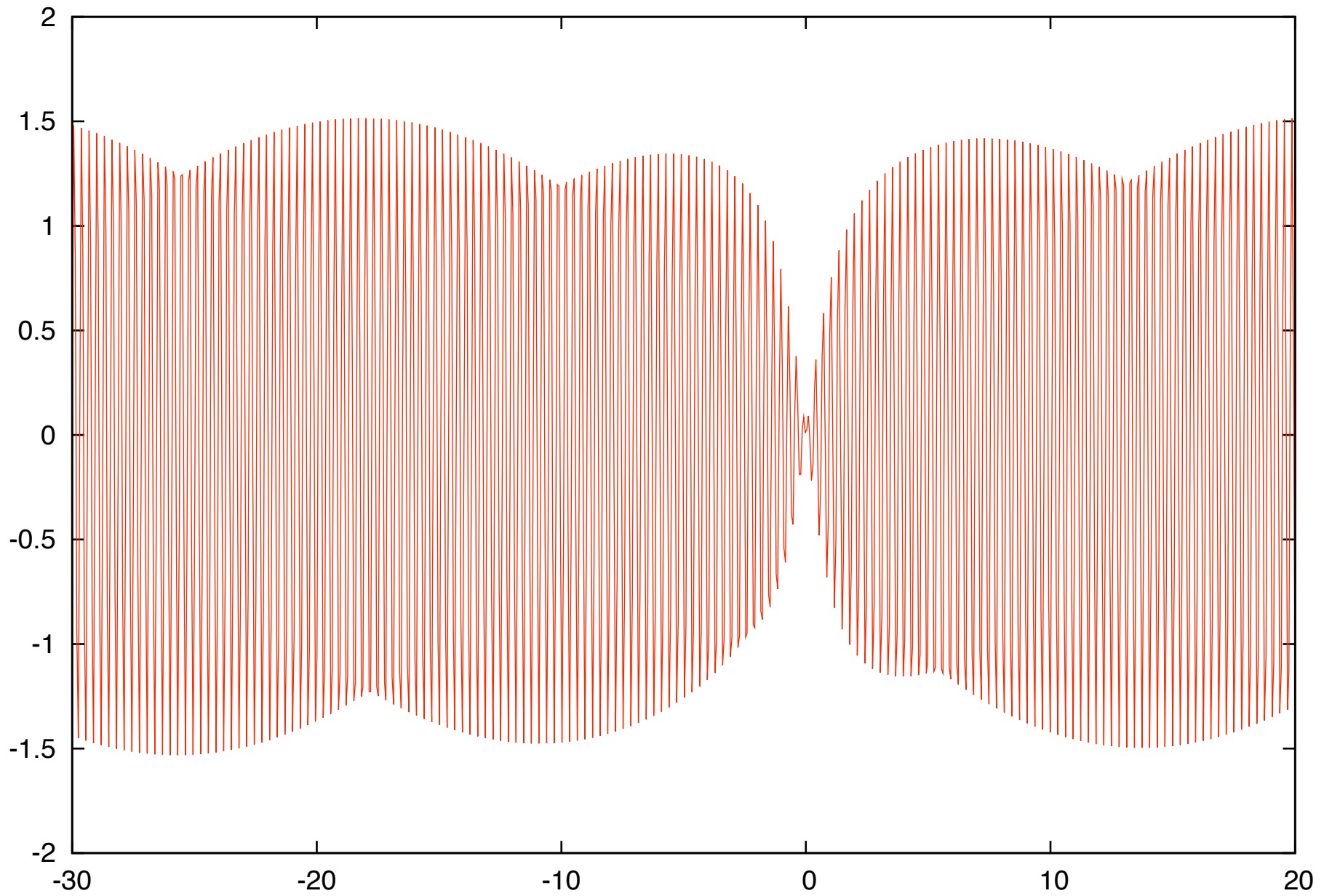
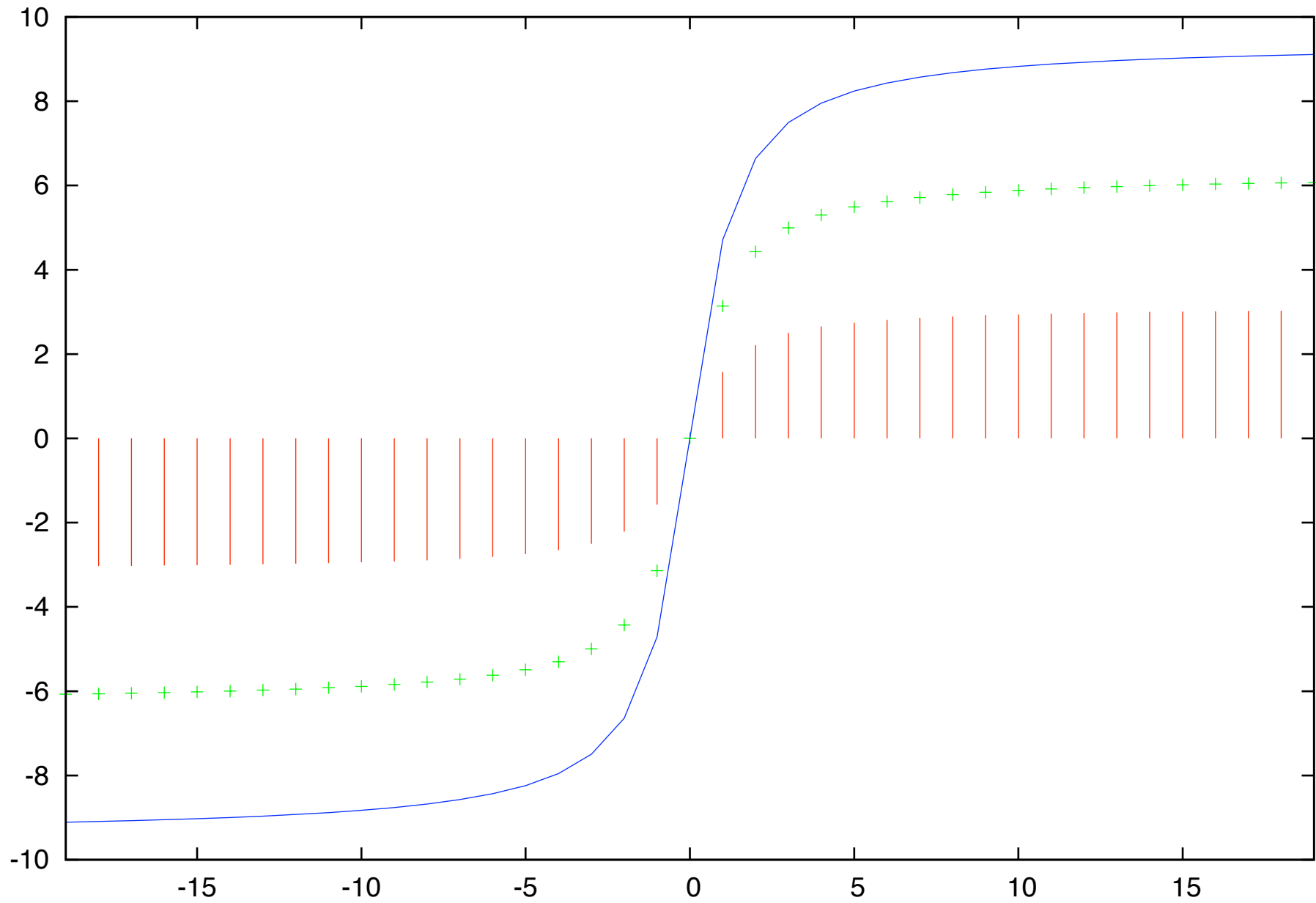


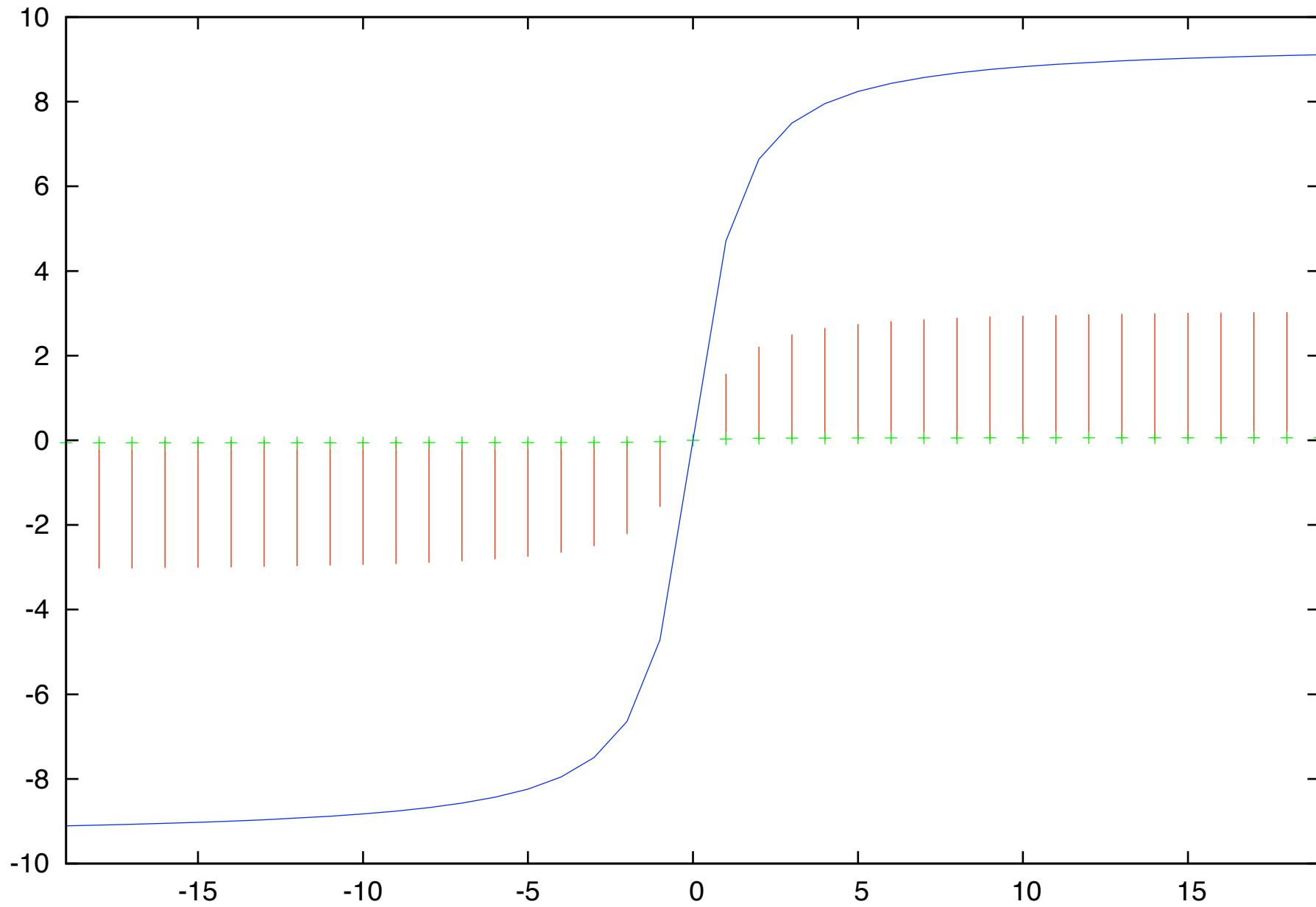
$\text{real}(\tan(x)/\text{atan}(x))$ ——— $1/x$ ———



$\sin(x \cdot 20) \cdot \text{atan}(x)$ —

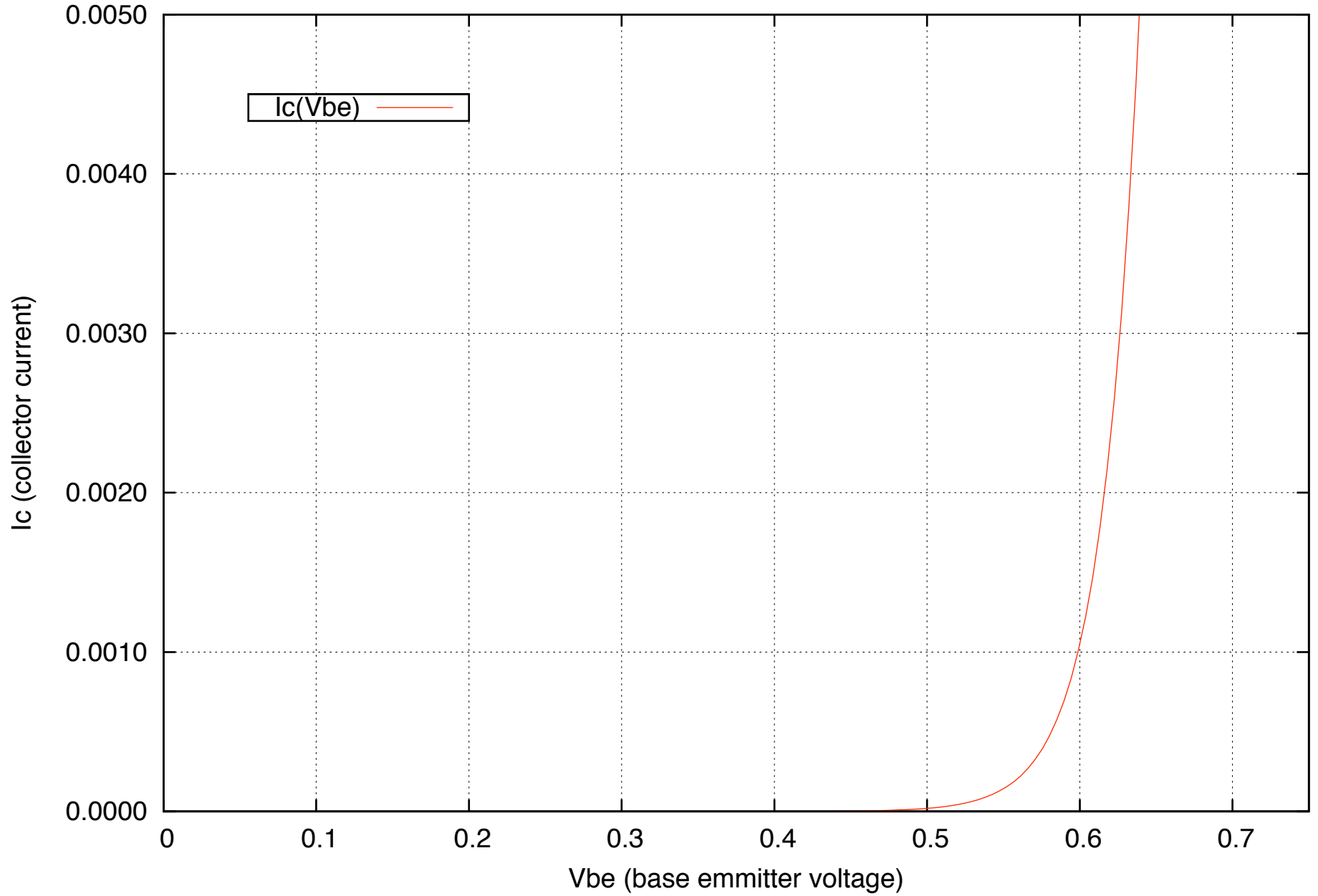


'1.dat' — '2.dat' + '3.dat' —

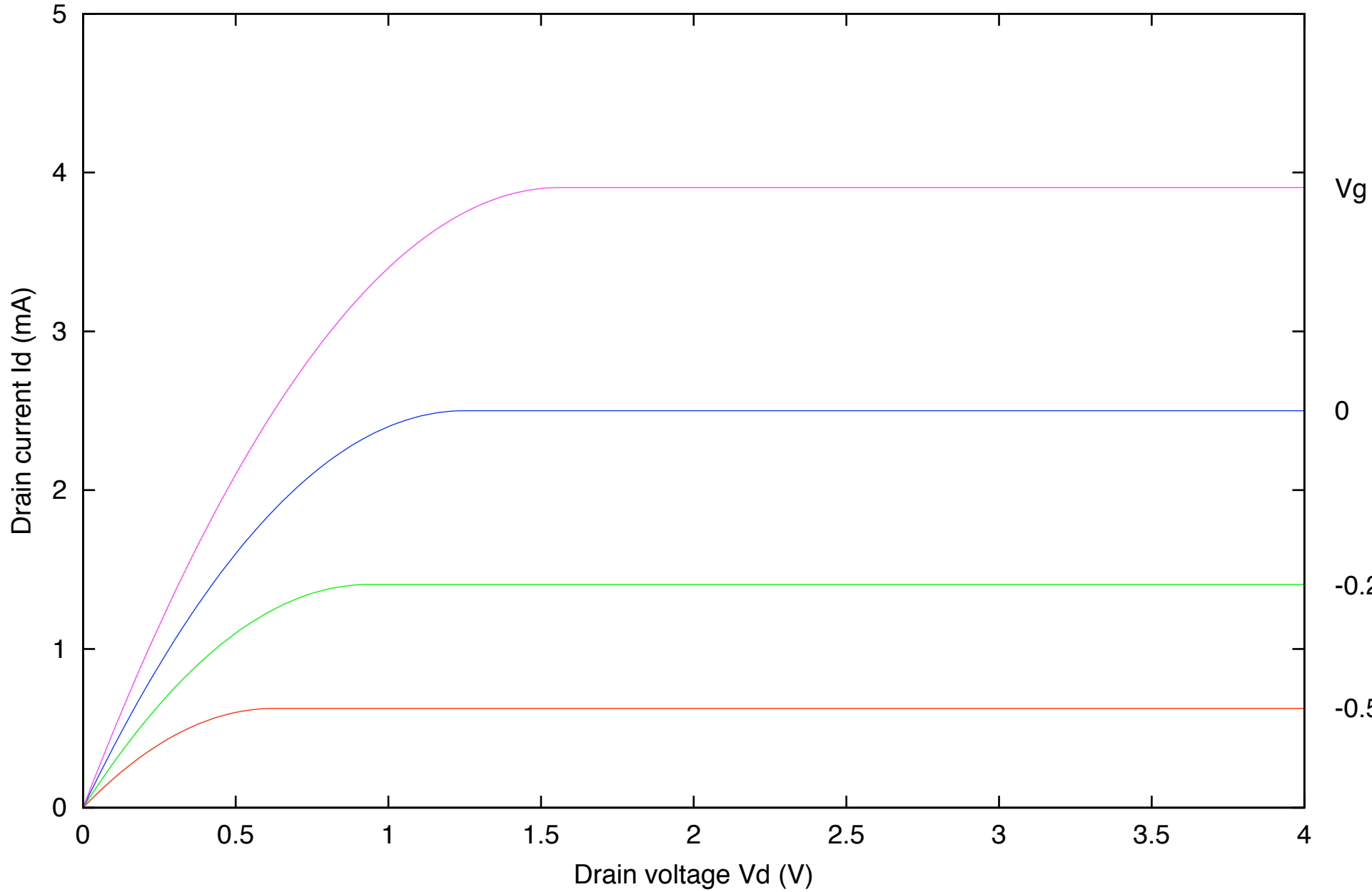


'1.dat' ——— '2.dat' thru f(x) + '3.dat' ———

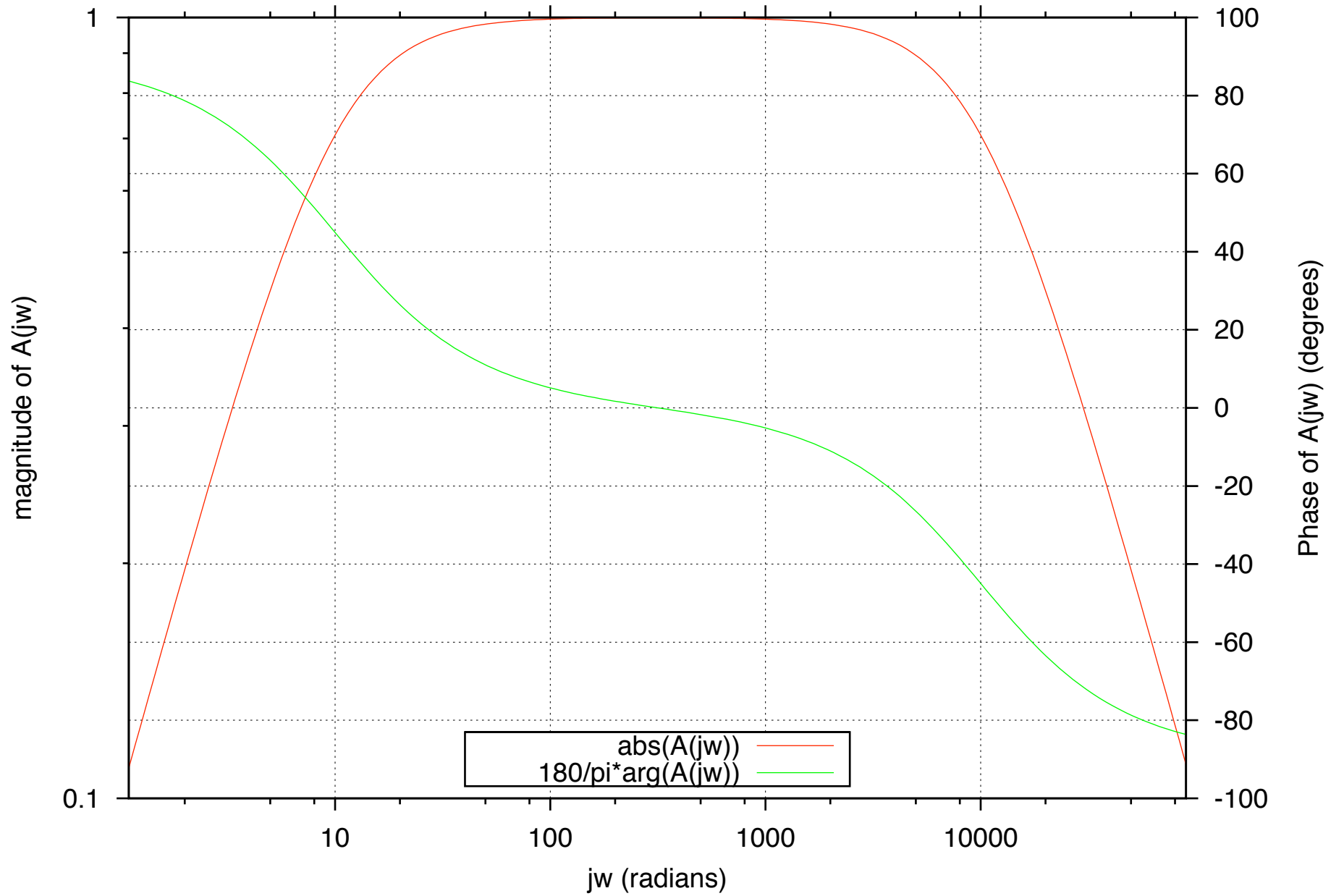
Mutual Characteristic of a Transistor



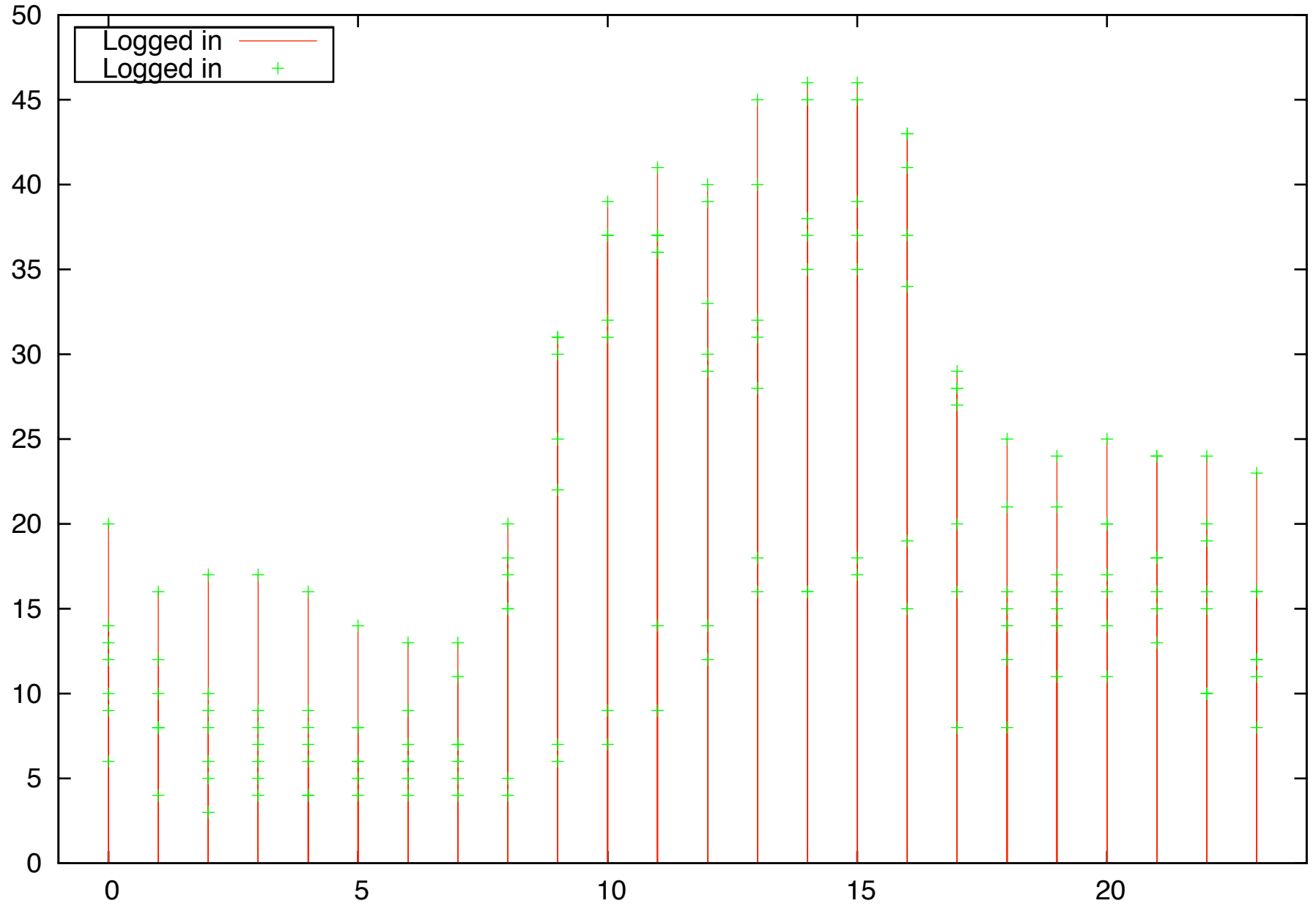
JFET Mutual Characteristic



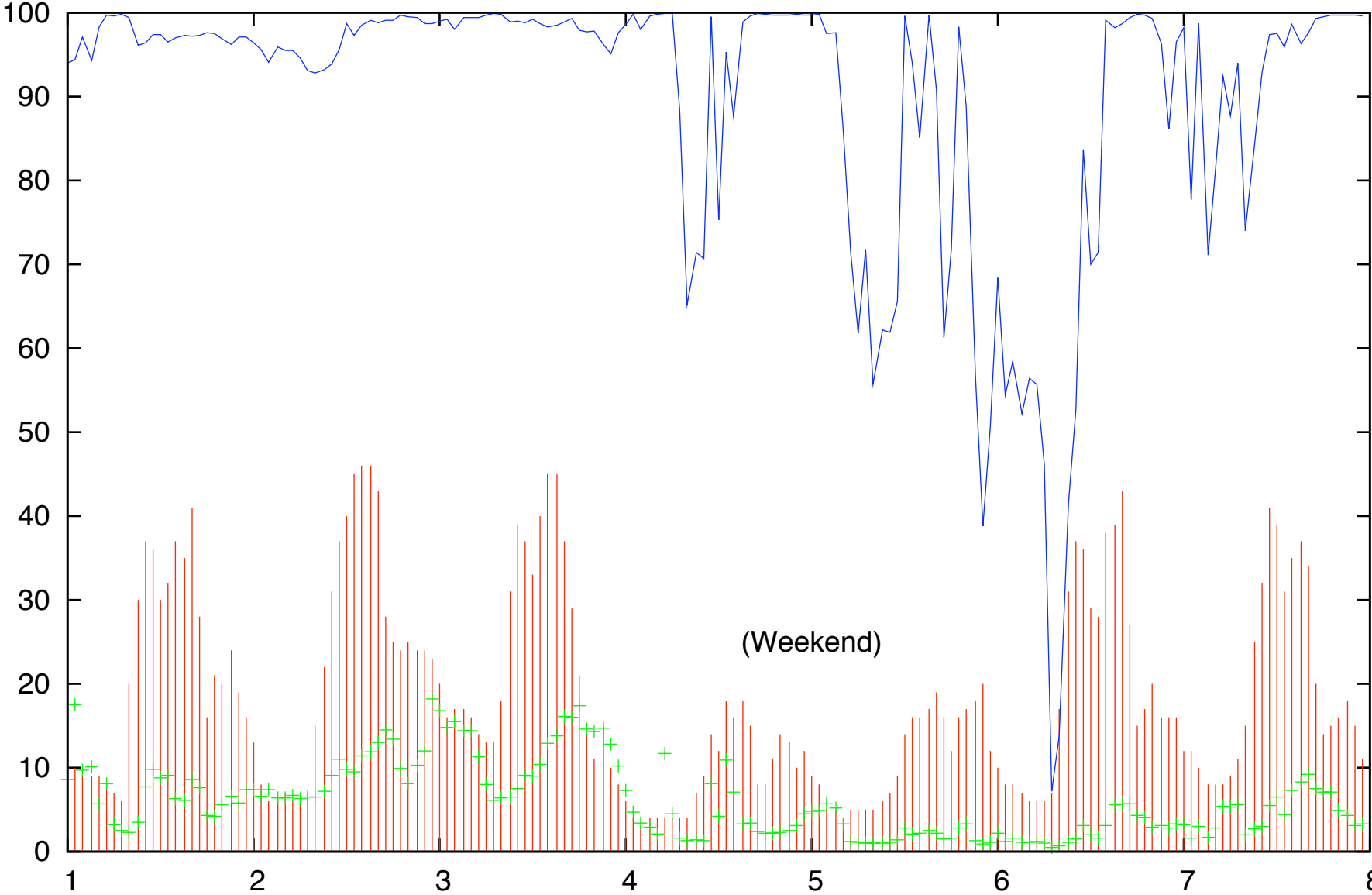
Amplitude and Phase Frequency Response



Convex November 1-7 1989 Circadian

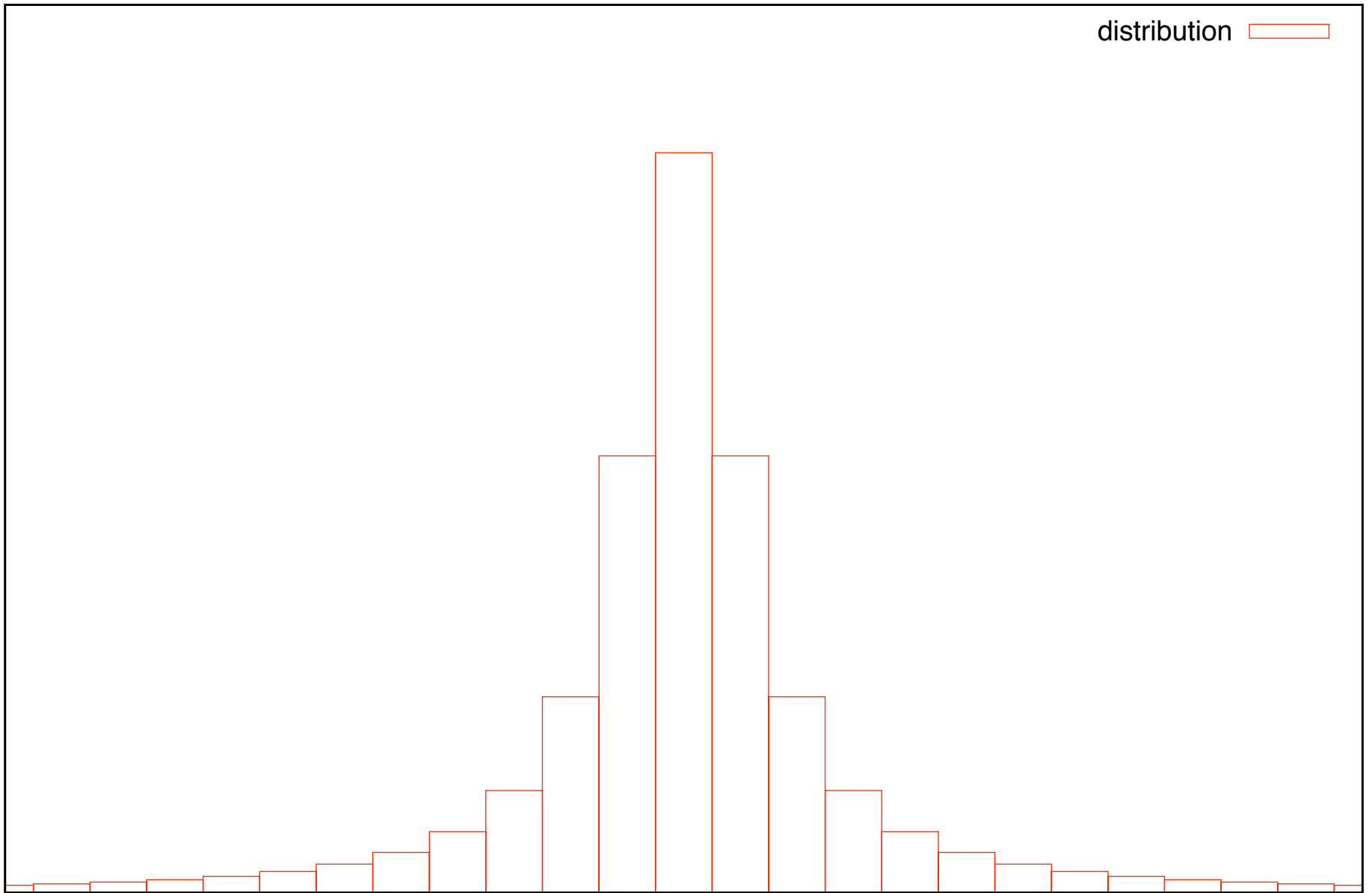


Convex November 1-7 1989

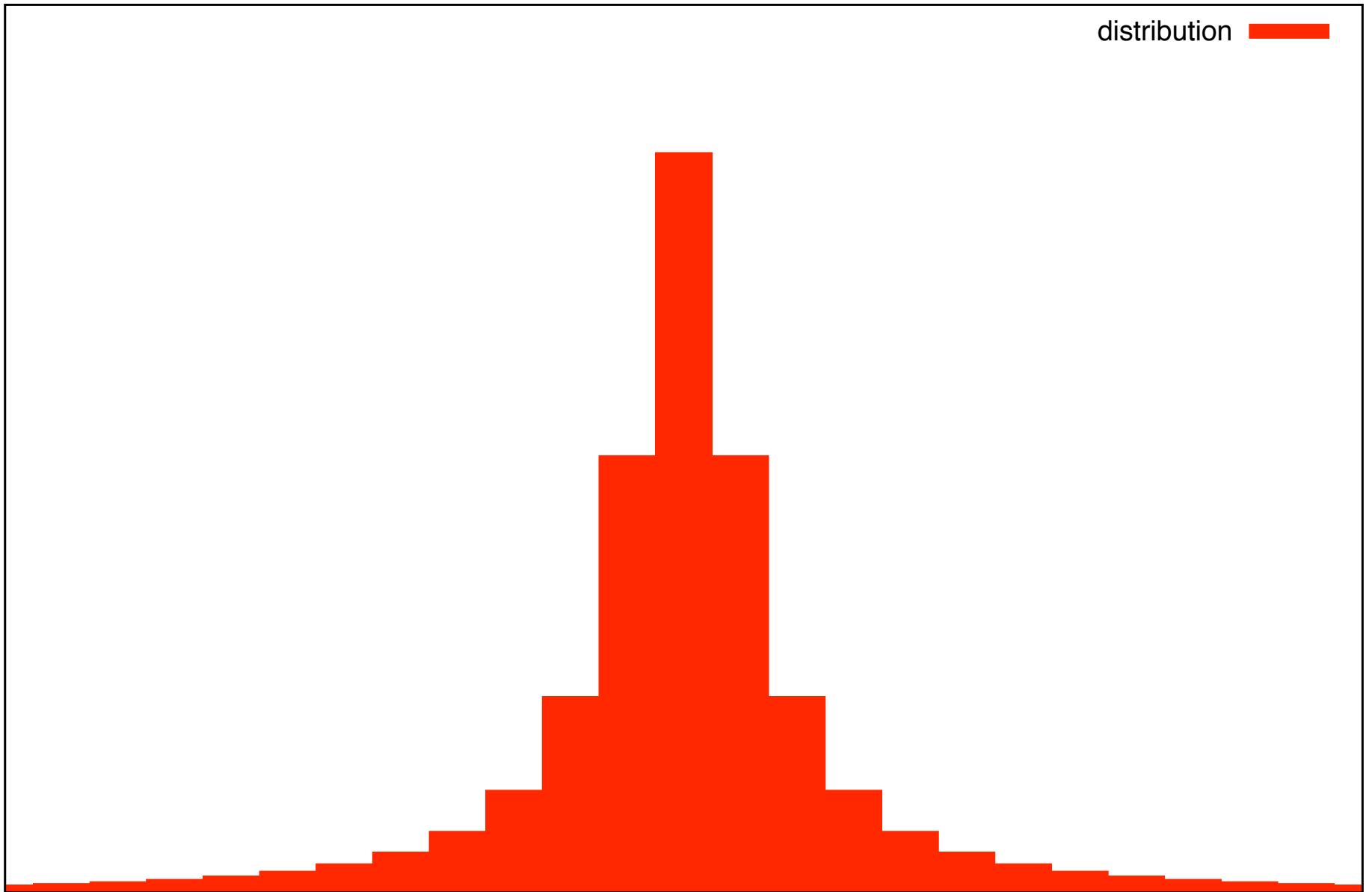


Logged in — Load average + %CPU used —

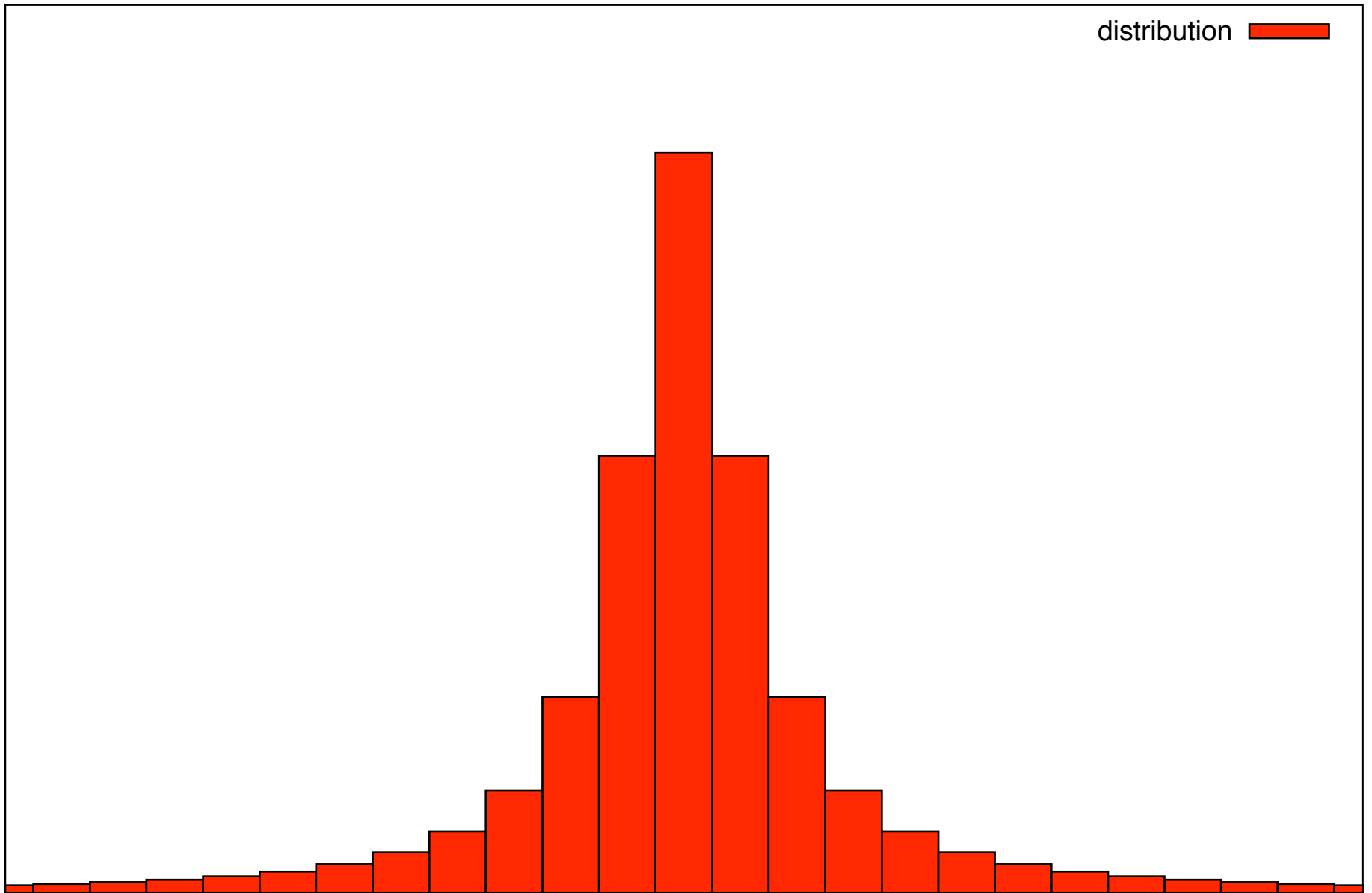
A demonstration of boxes with default properties



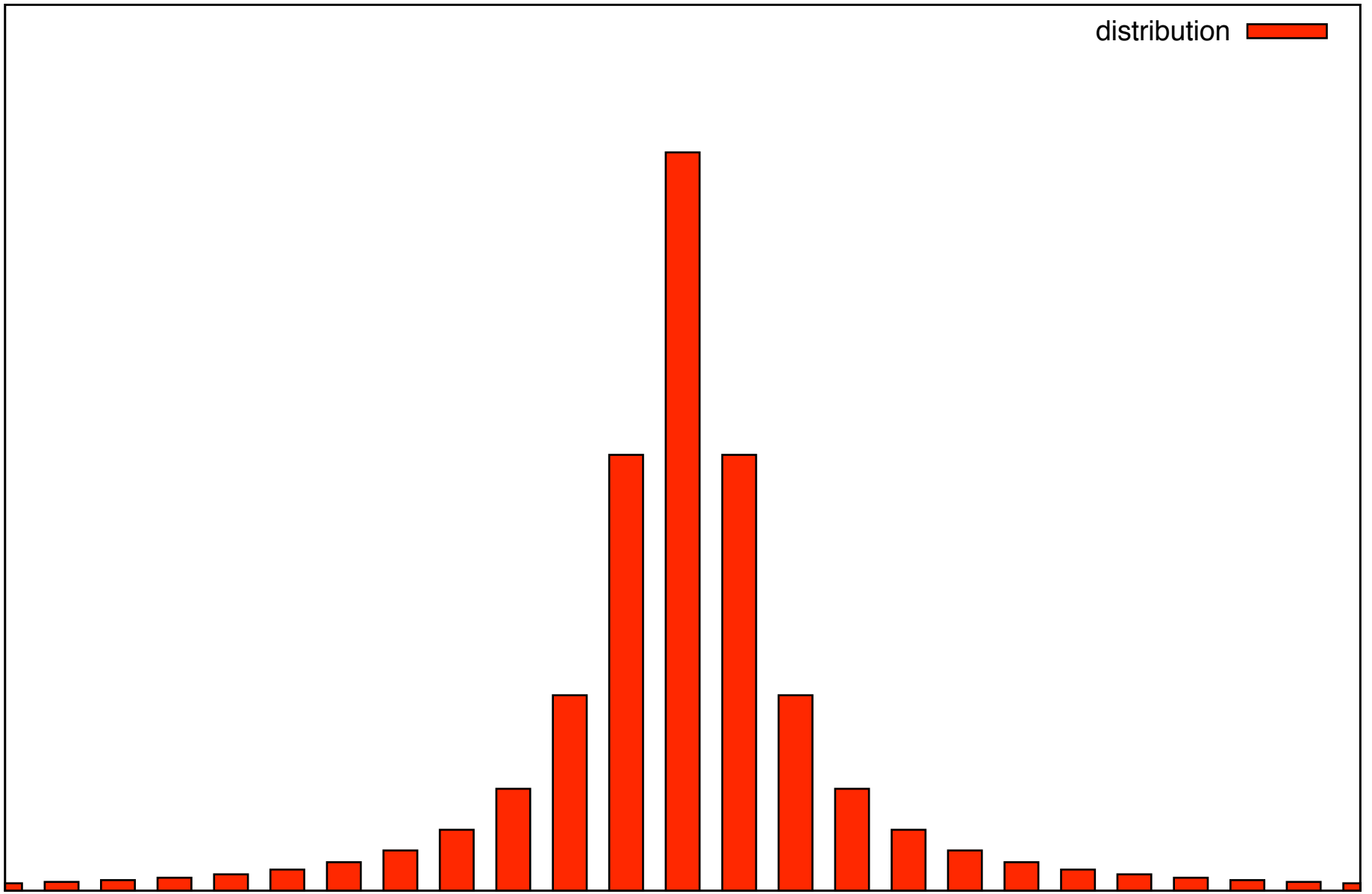
A demonstration of boxes with style fill solid 1.0



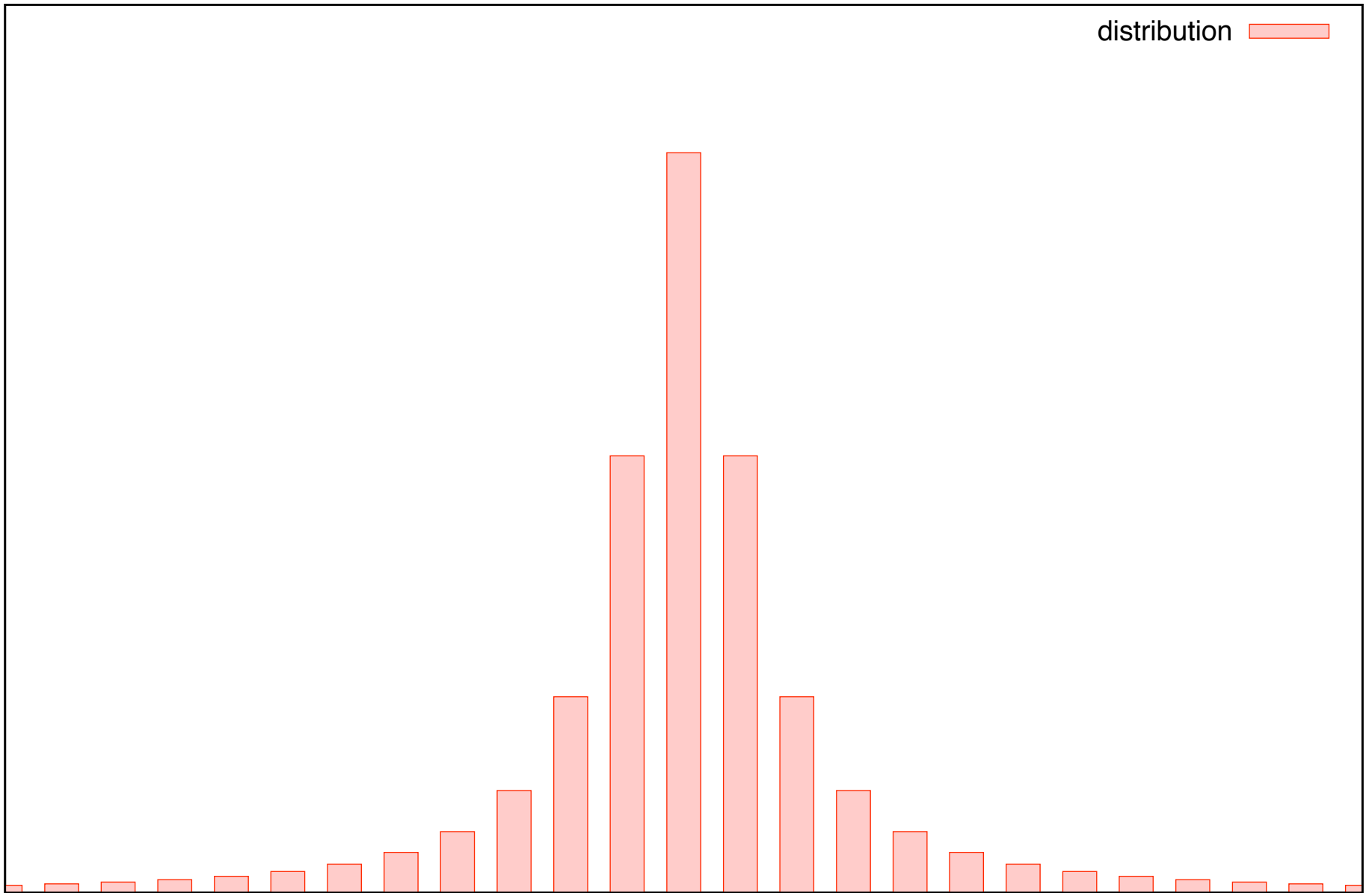
A demonstration of boxes with style fill solid border -1



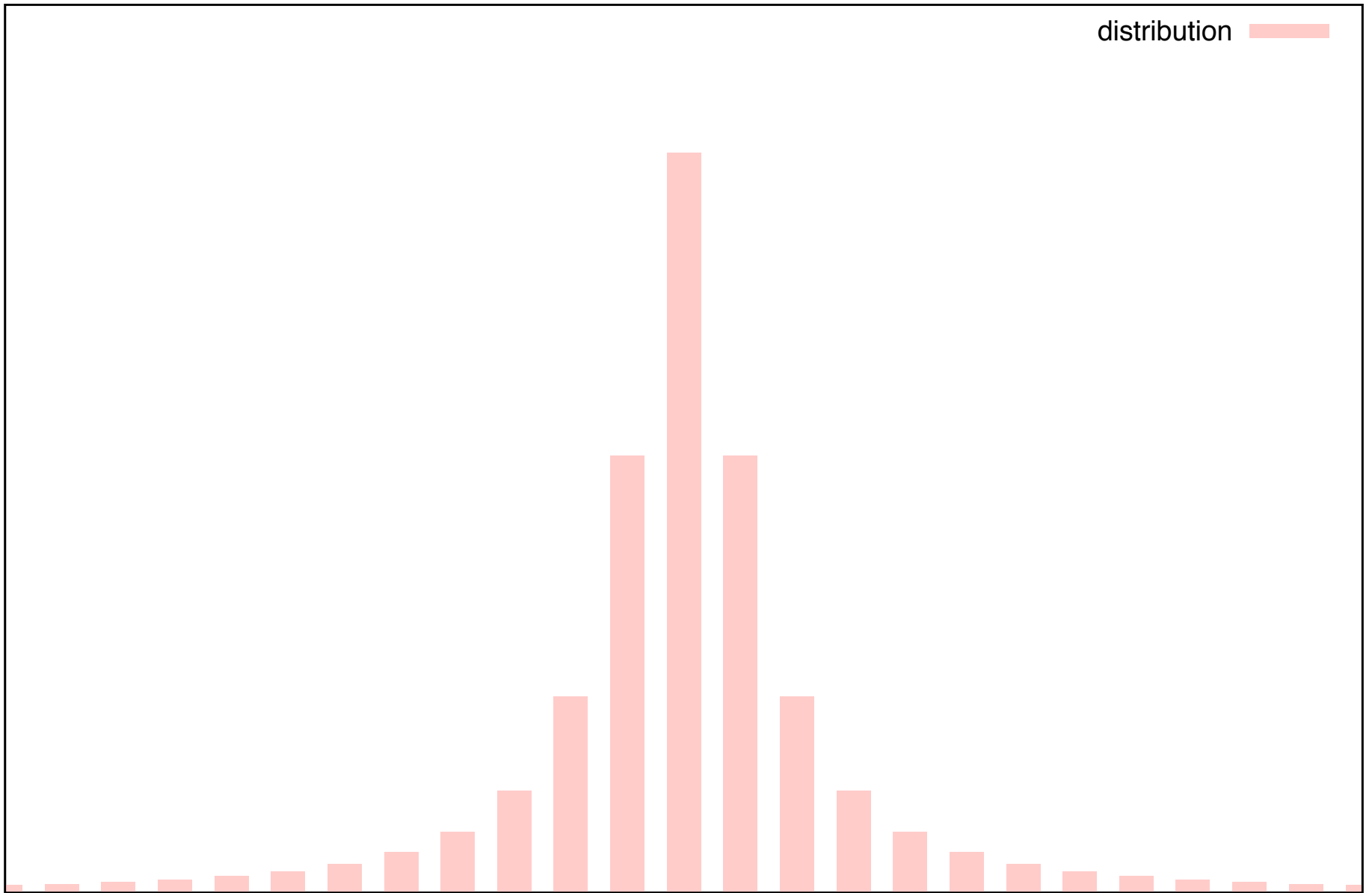
Filled boxes of reduced width



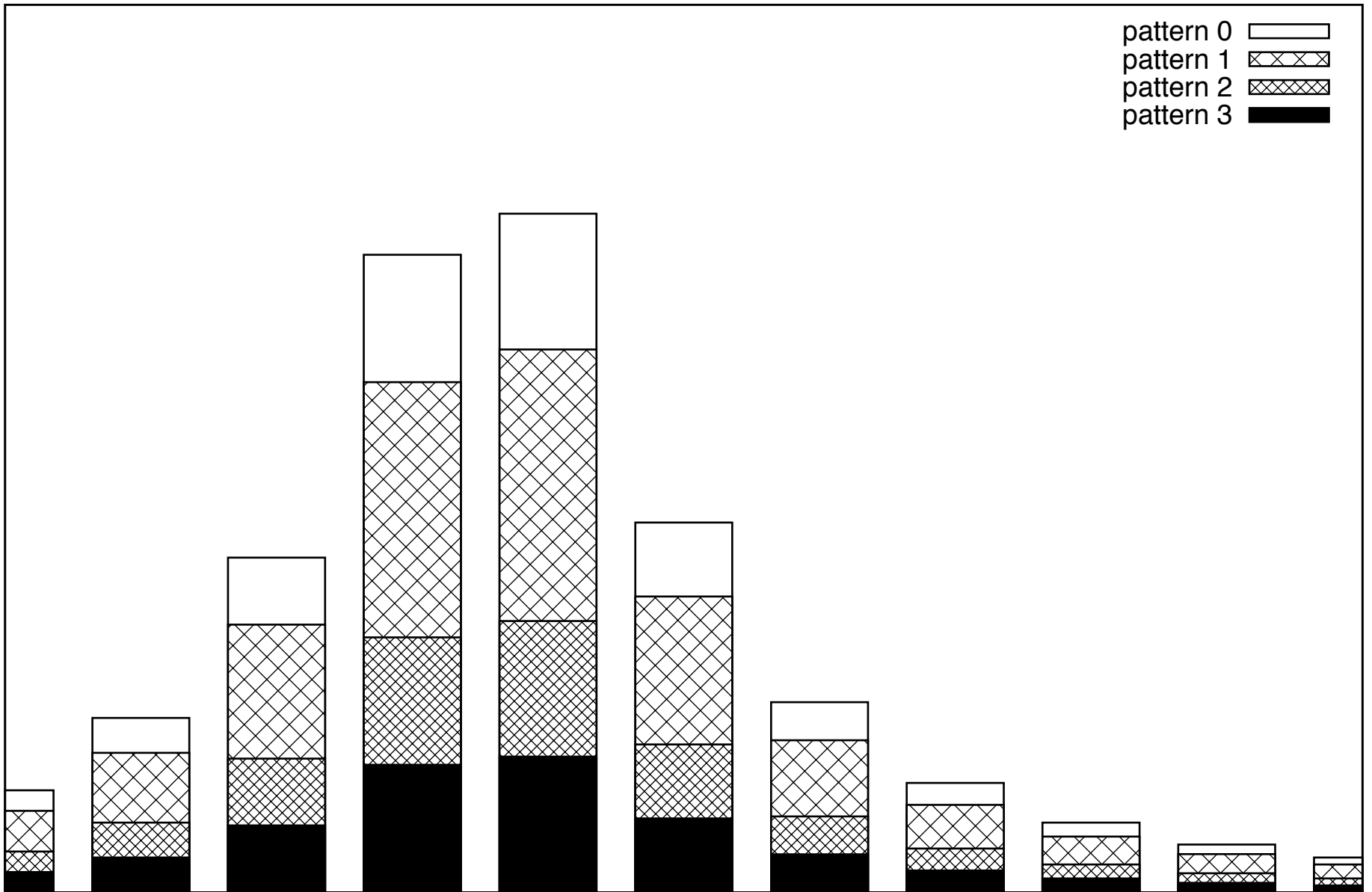
Filled boxes at 50% fill density



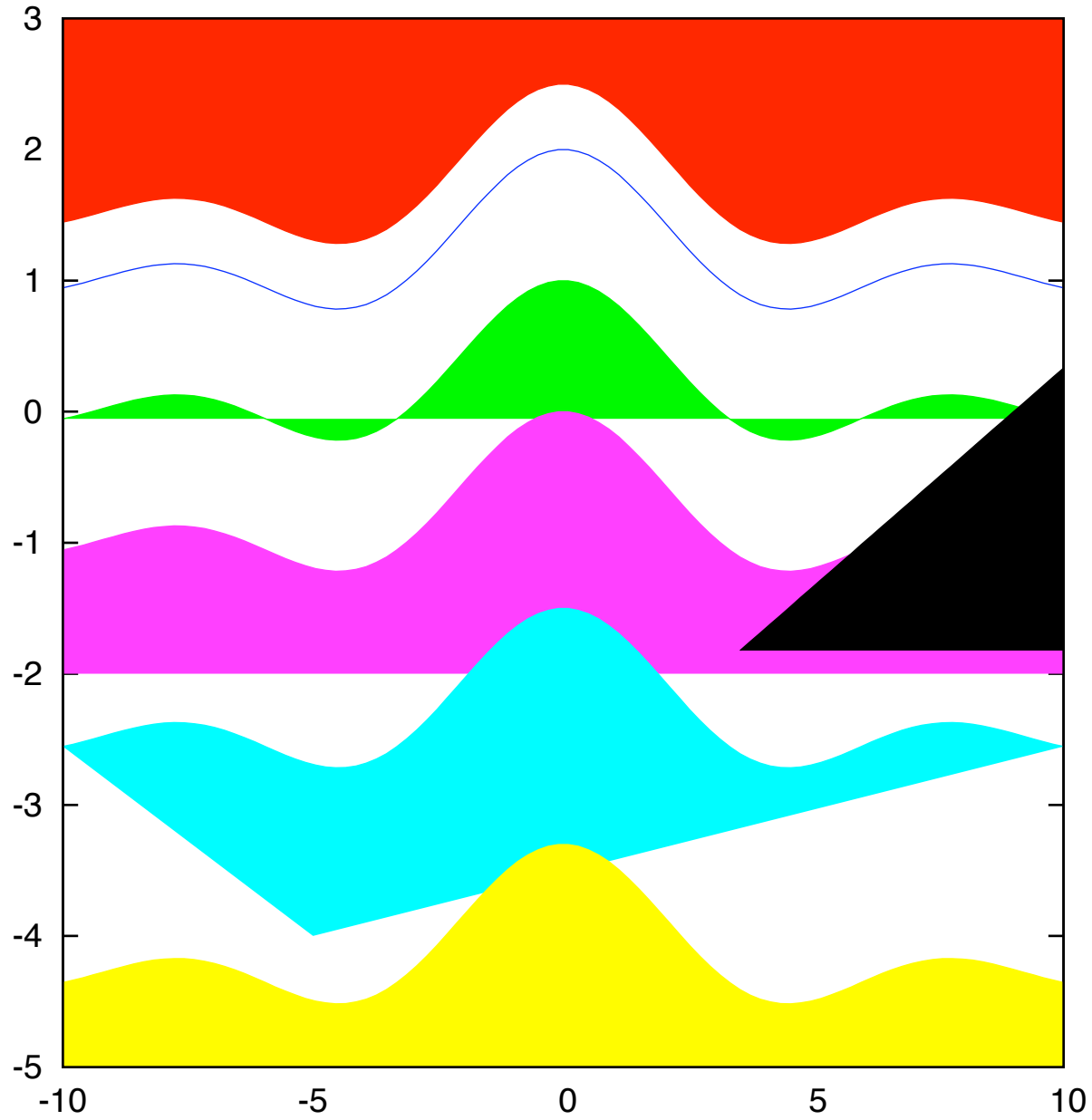
A demonstration of boxes with style fill solid 0.25 noborder



A demonstration of boxes in mono with style fill pattern

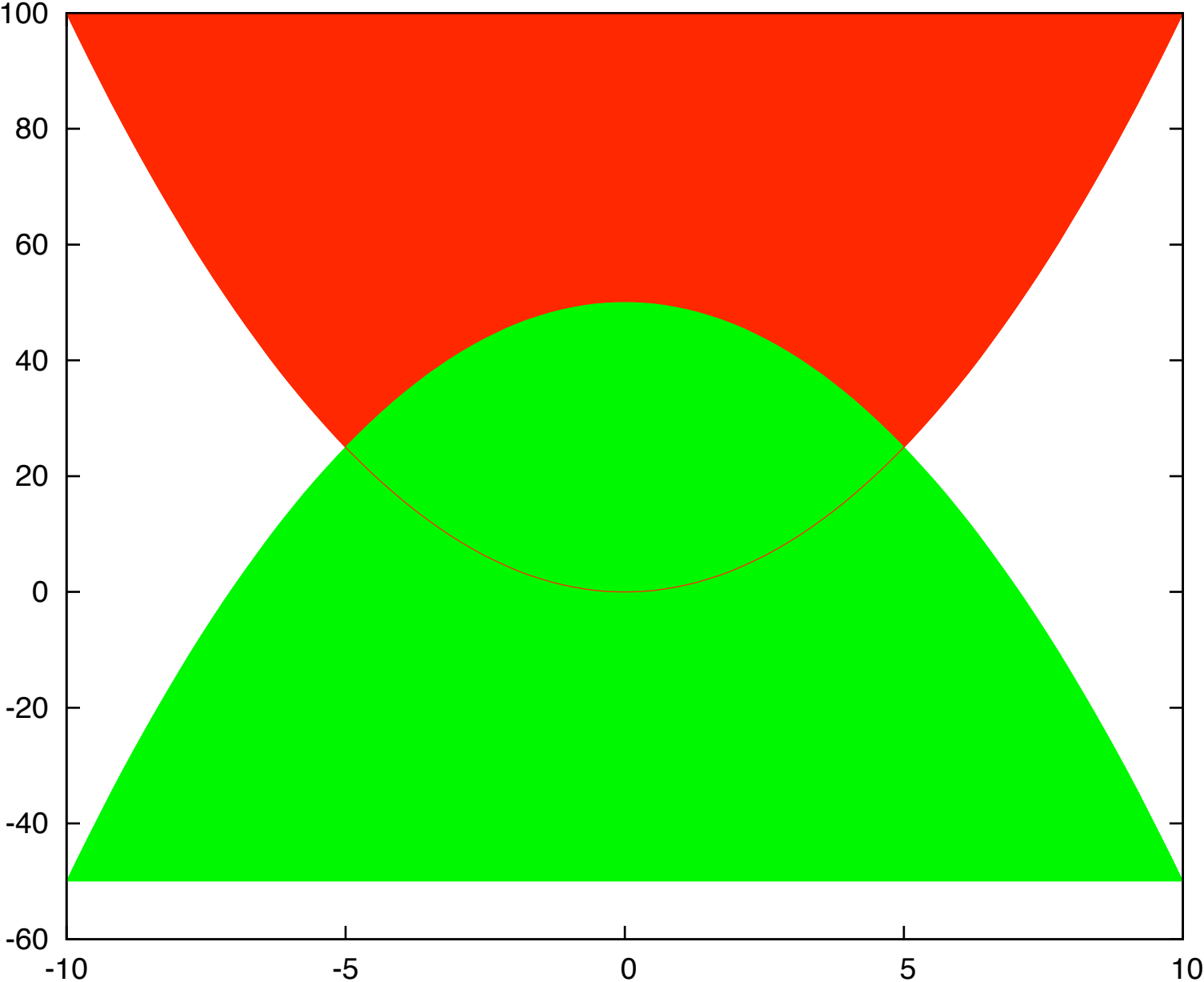





plot with filledcurve [options]



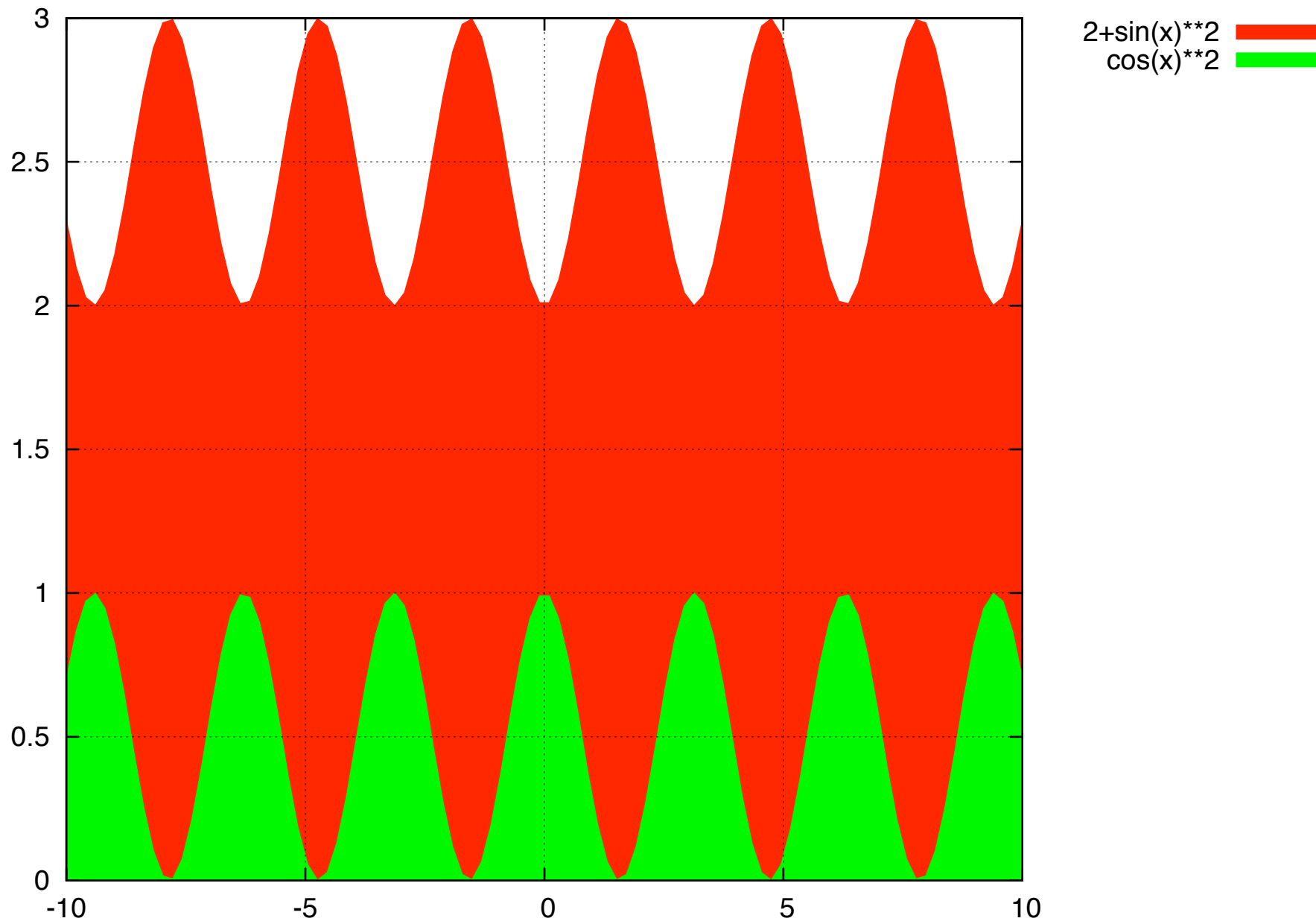
- $1.5 + \sin(x)/x$ (Red)
- $\sin(x)/x$ (Green)
- $1 + \sin(x)/x$ (Blue)
- $-1 + \sin(x)/x$ (Magenta)
- $-2.5 + \sin(x)/x$ (Cyan)
- $-4.3 + \sin(x)/x$ (Yellow)
- $(x > 3.5 ? x/3 - 3 : 1/0)$ (Black)

Intersection of two parabolas

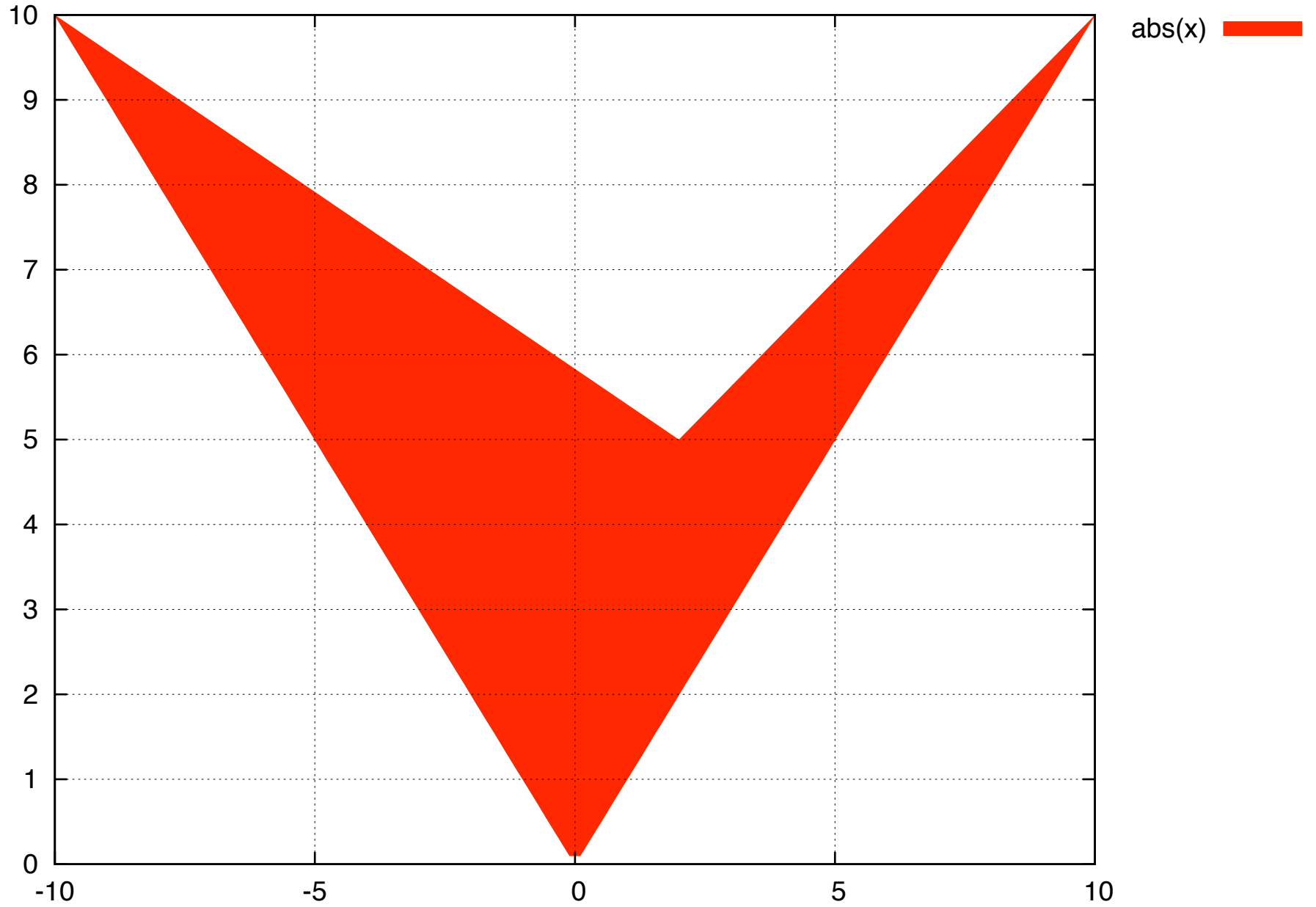


x^2 
 $50 - x^2$ 
 x^2 

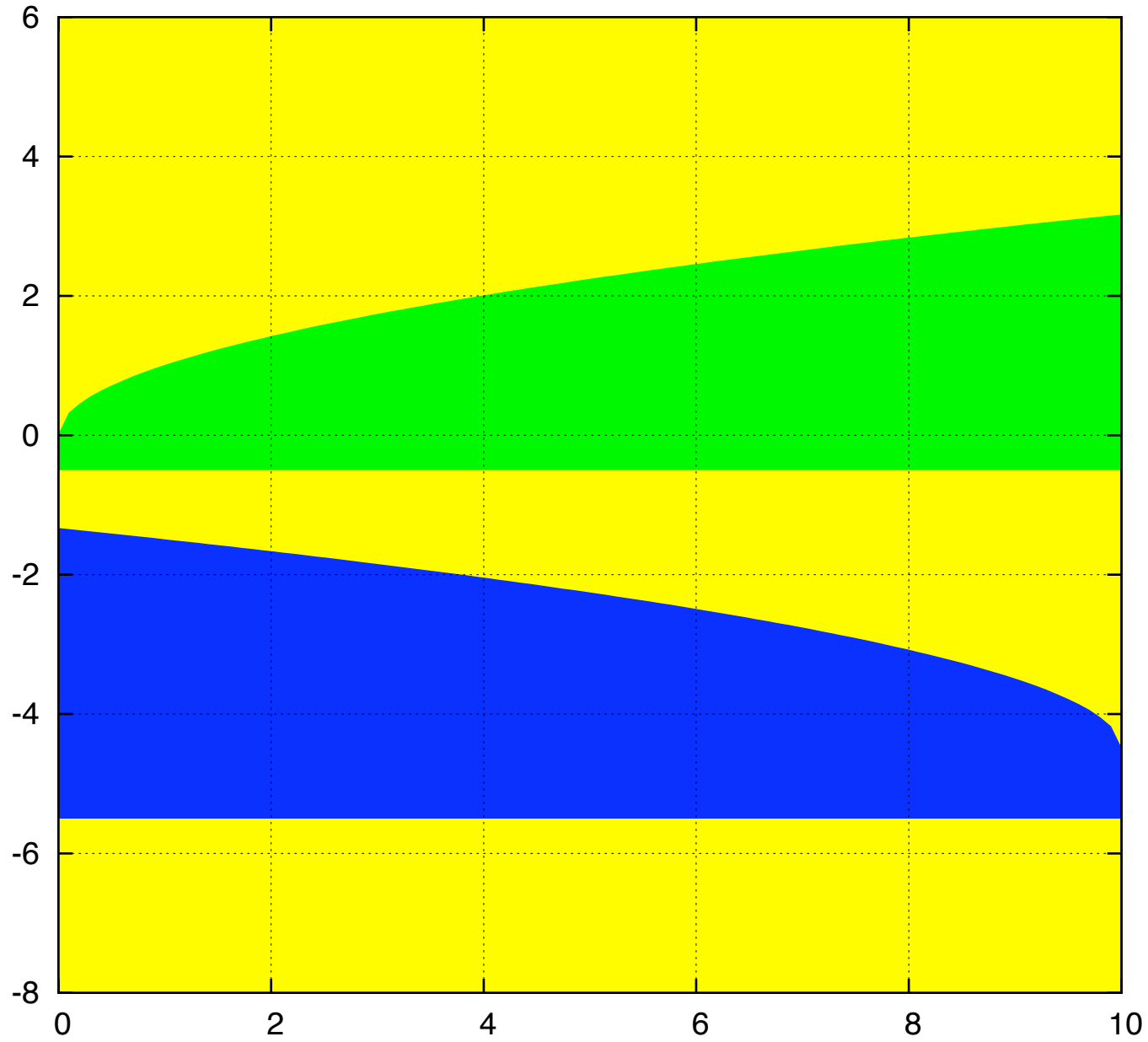
Filled sinus and cosinus curves



The red bat: $\text{abs}(x)$ with filledcurve $xy=2,5$

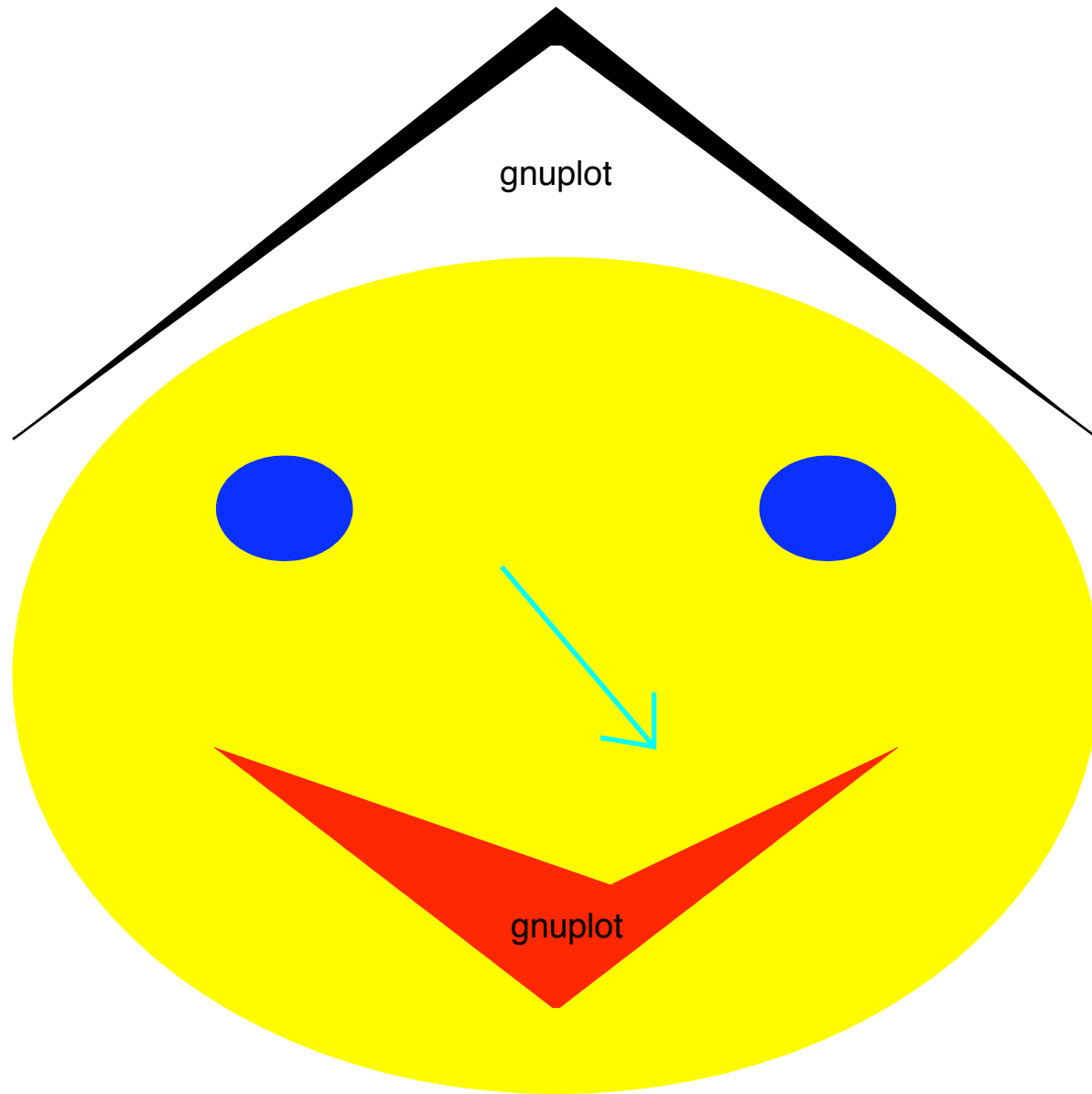


Some sqrt stripes on filled graph background

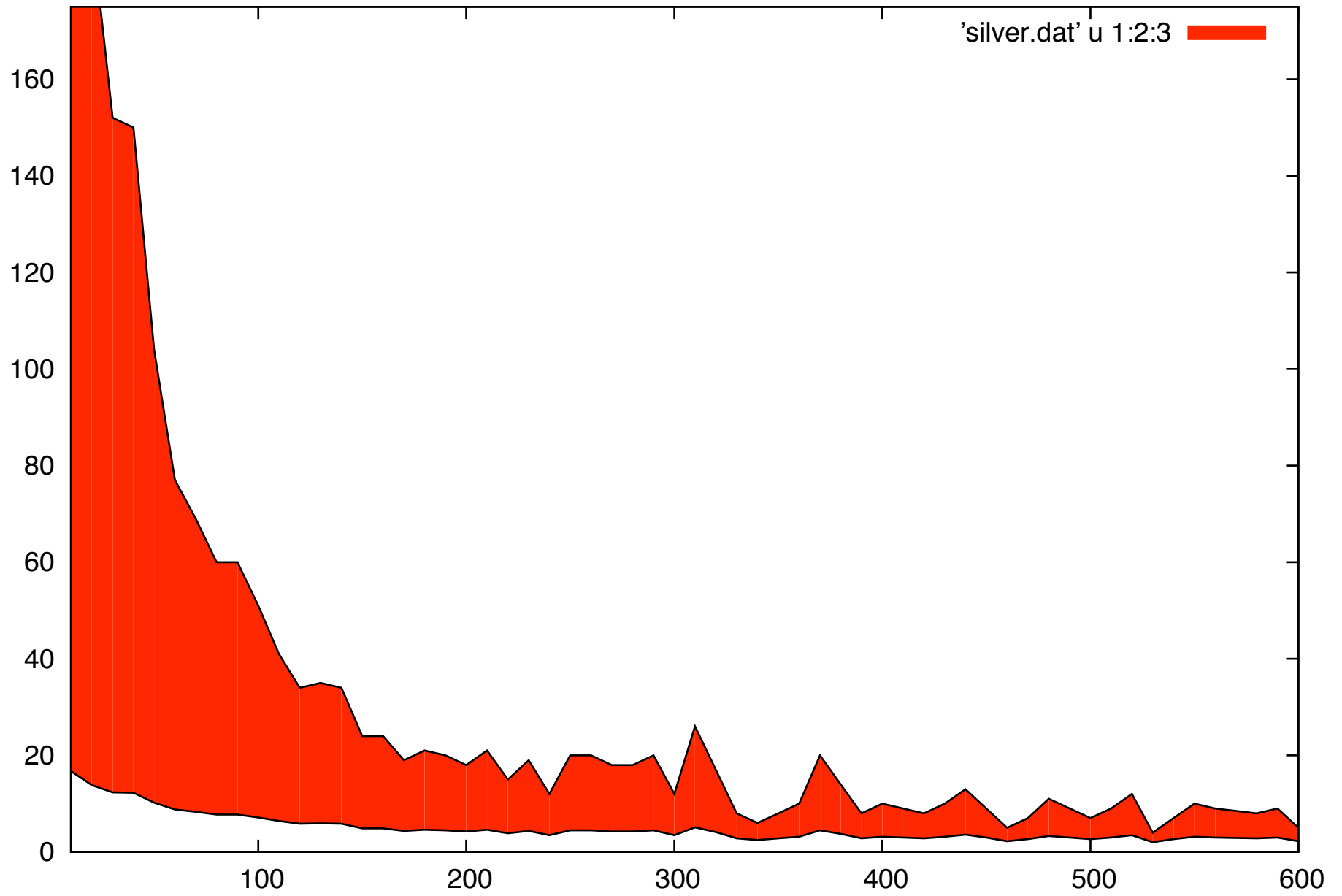


-8
 \sqrt{x}
 $\sqrt{10-x}-4.5$

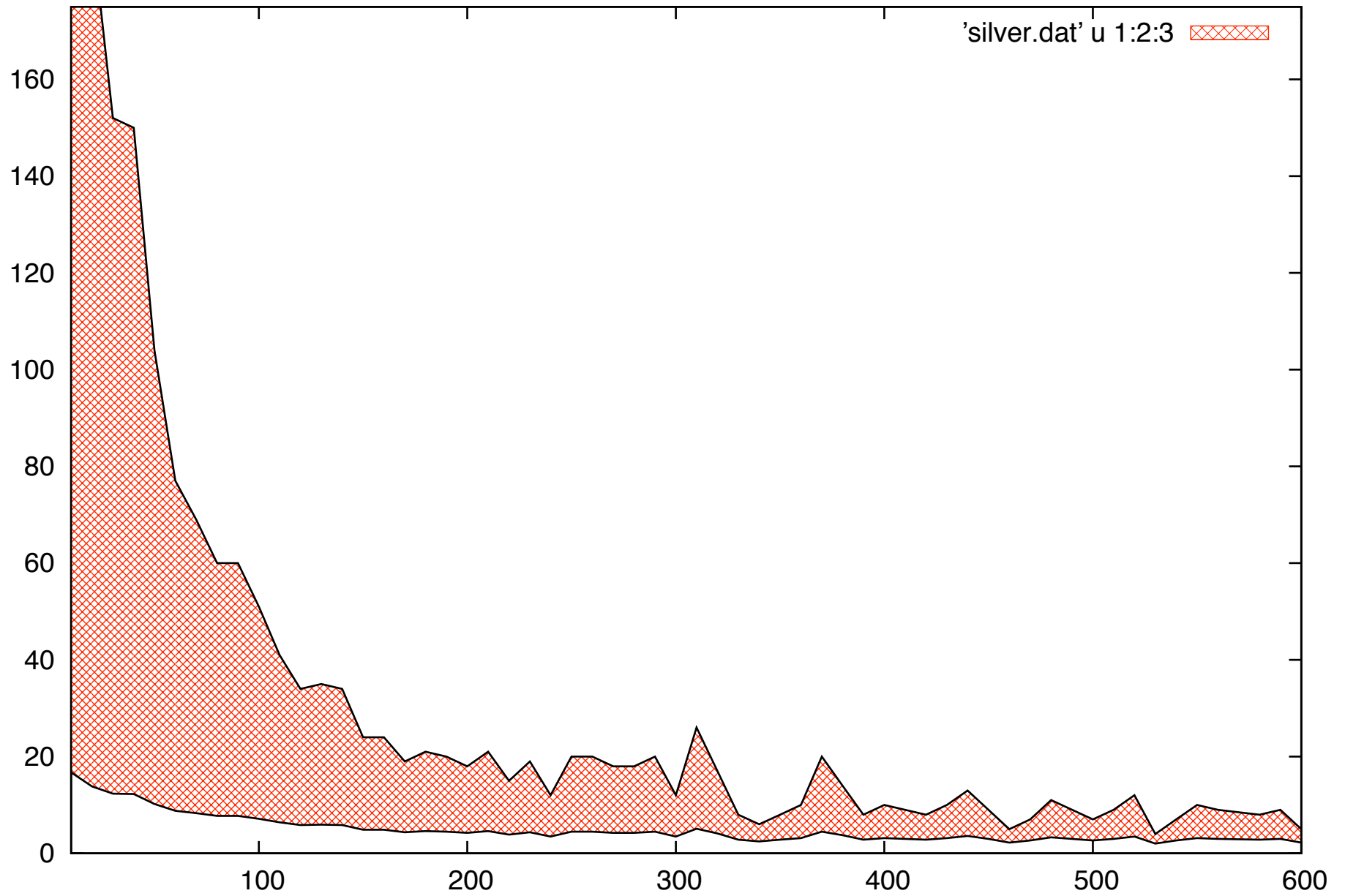
Let's smile with parametric filled curves



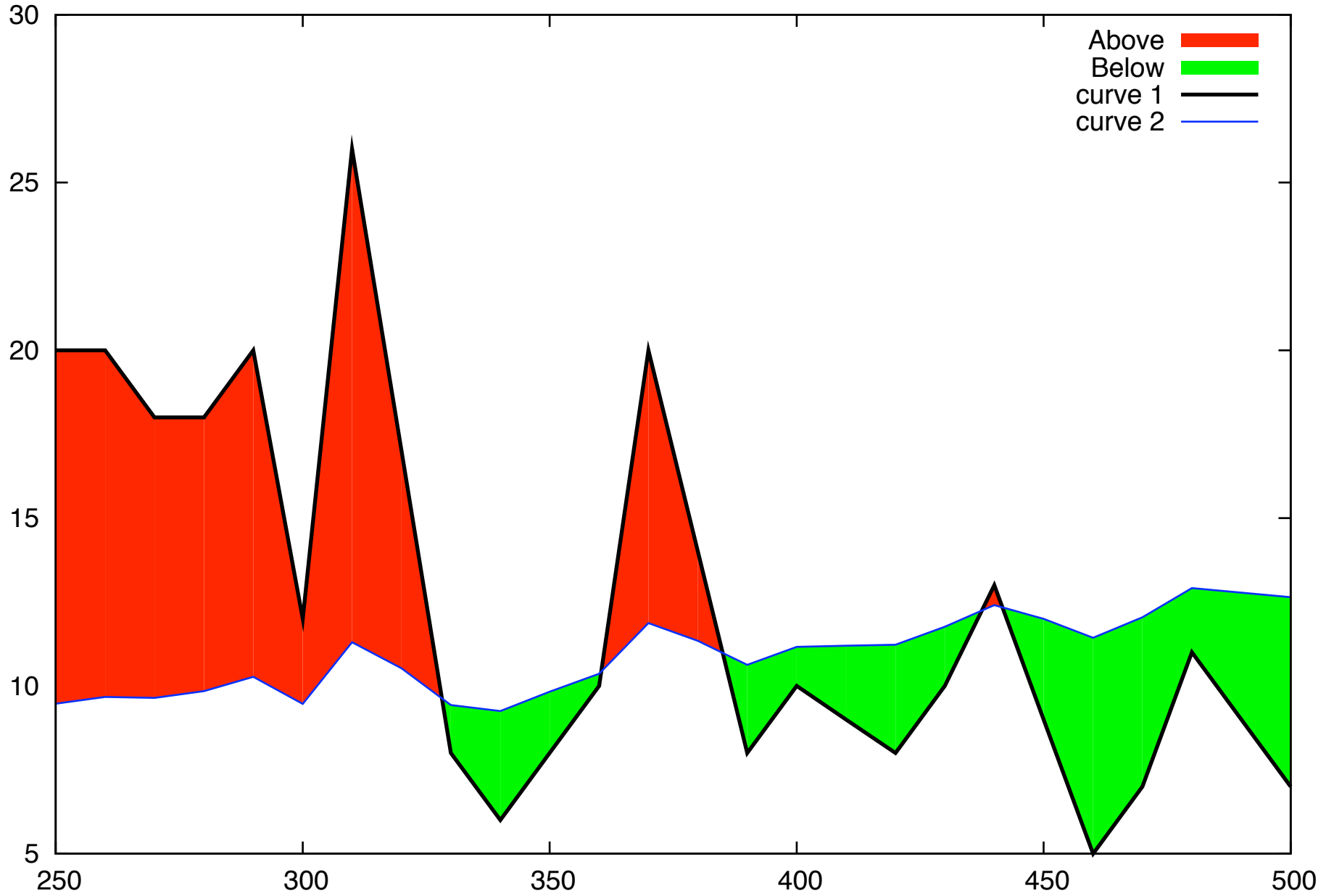
Fill area between two curves



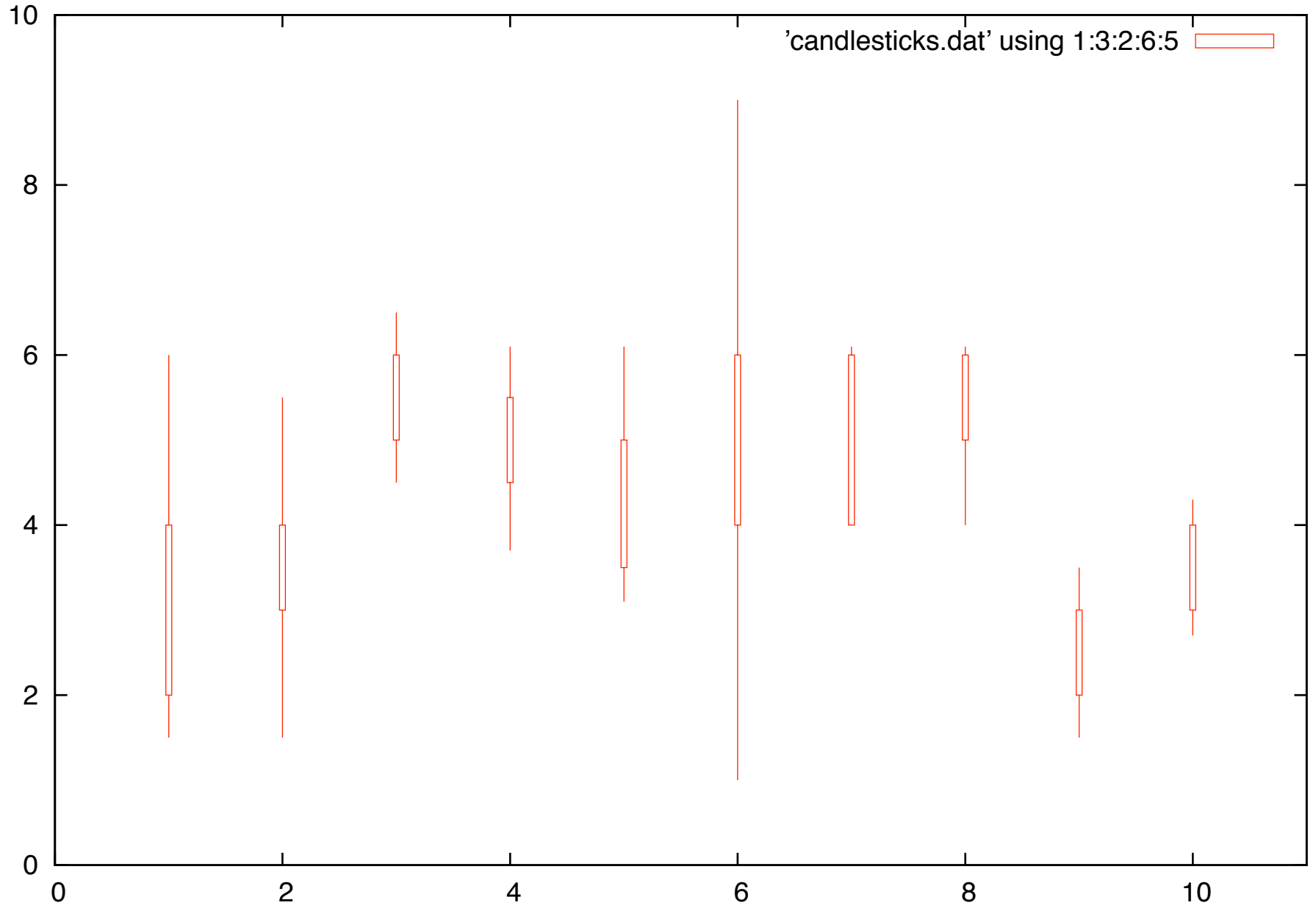
Fill area between two curves (pattern fill)



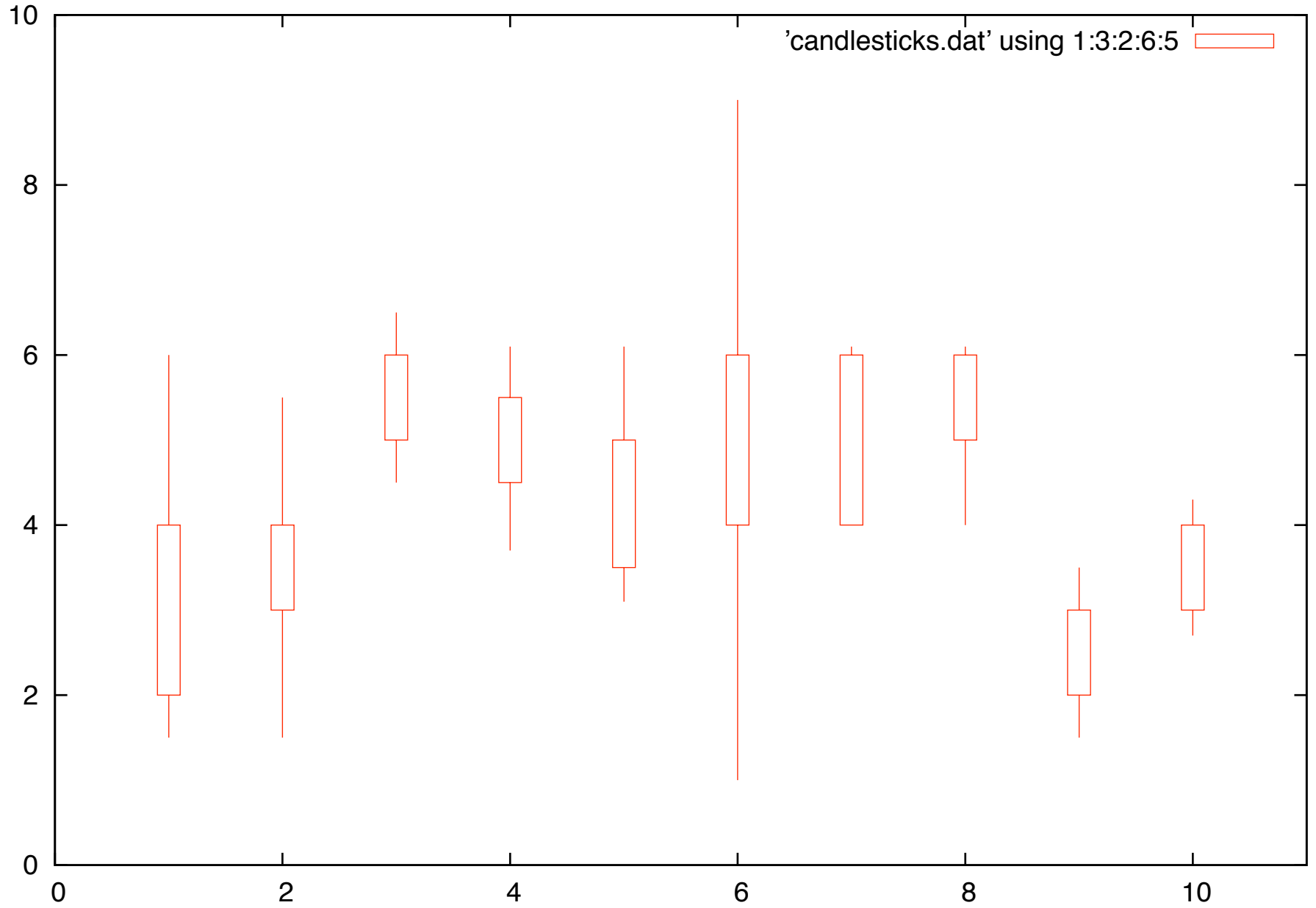
Fill area between two curves (above/below)



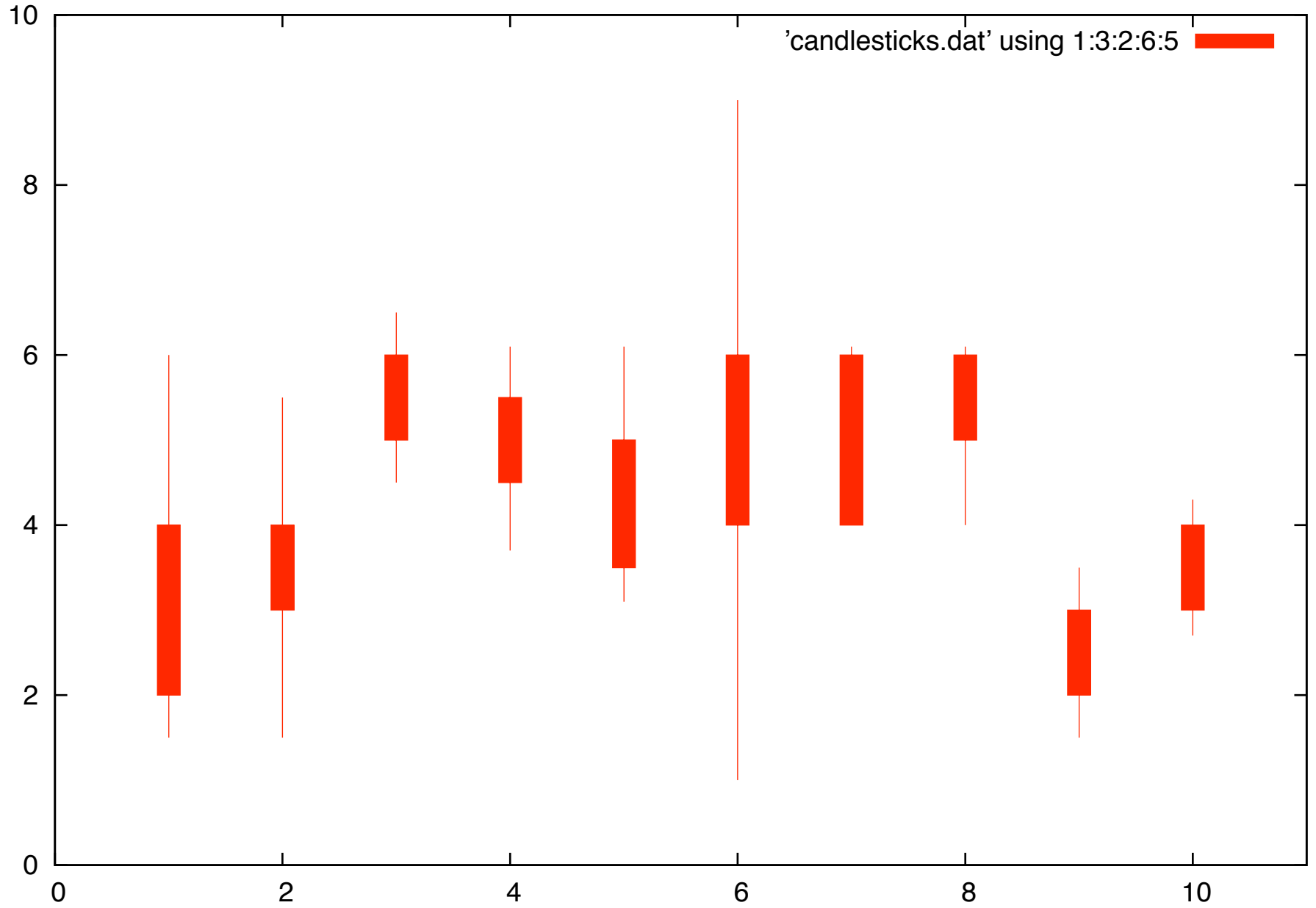
candlesticks with open boxes (default)



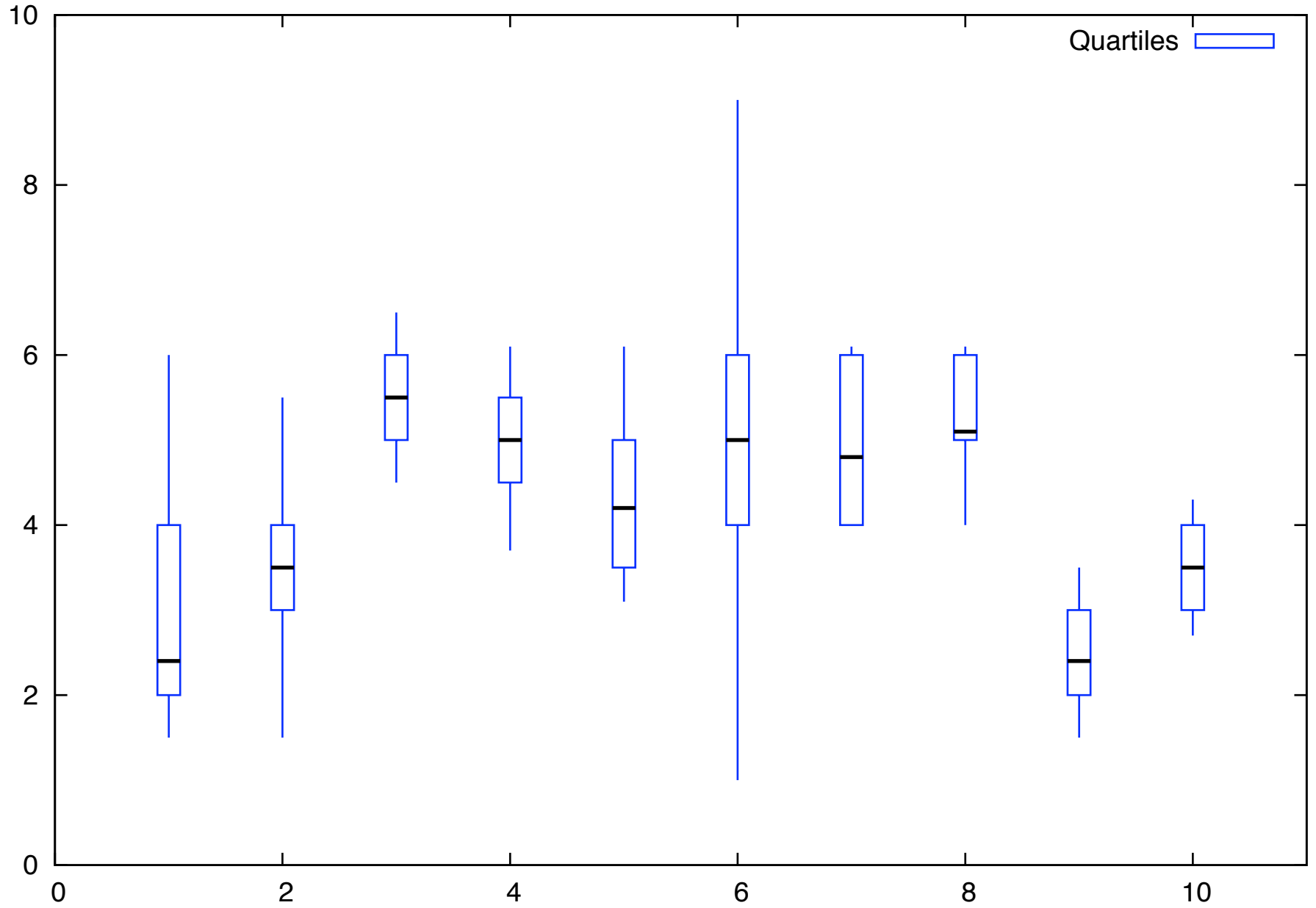
candlesticks with specified boxwidth



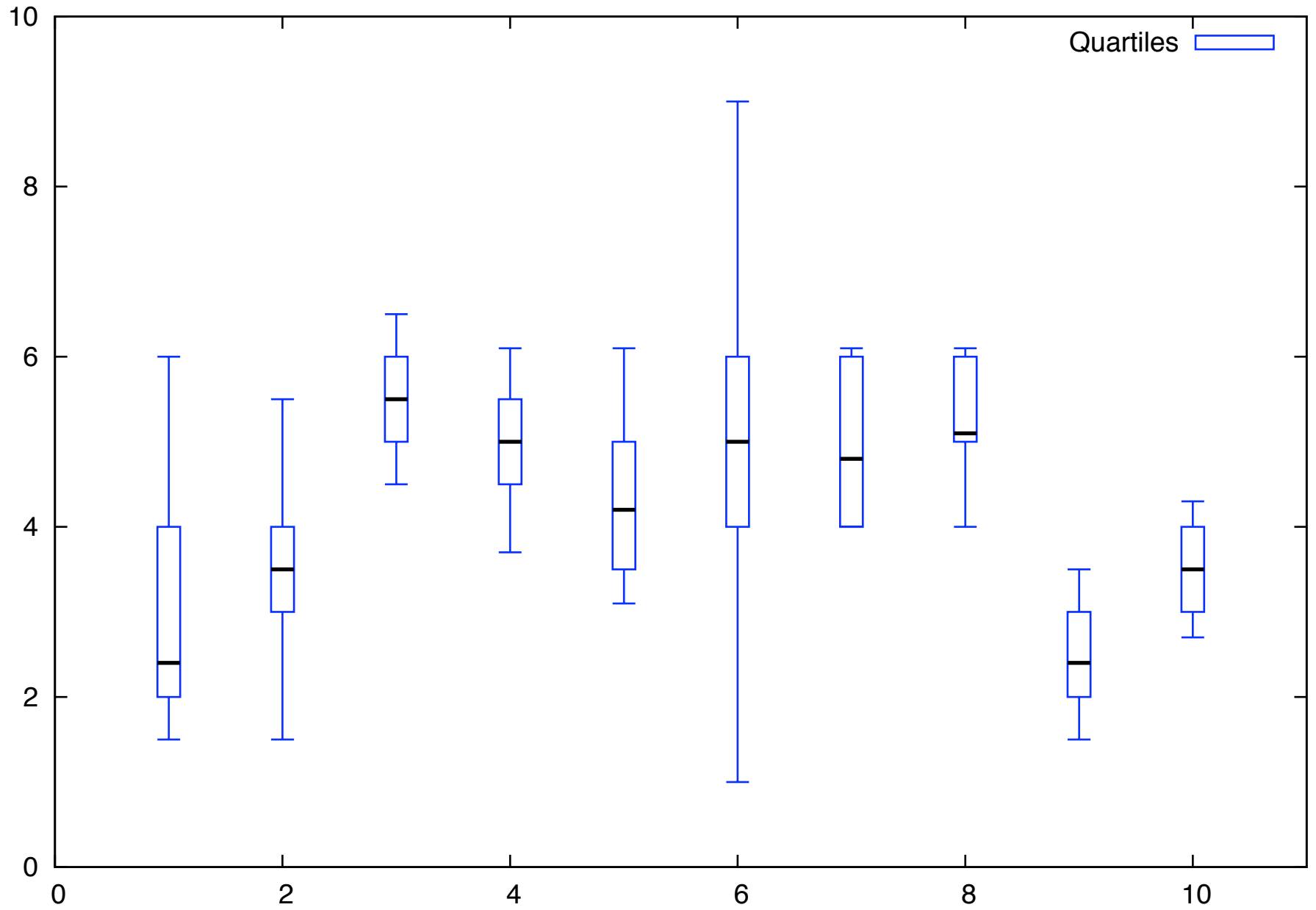
candlesticks with style fill solid



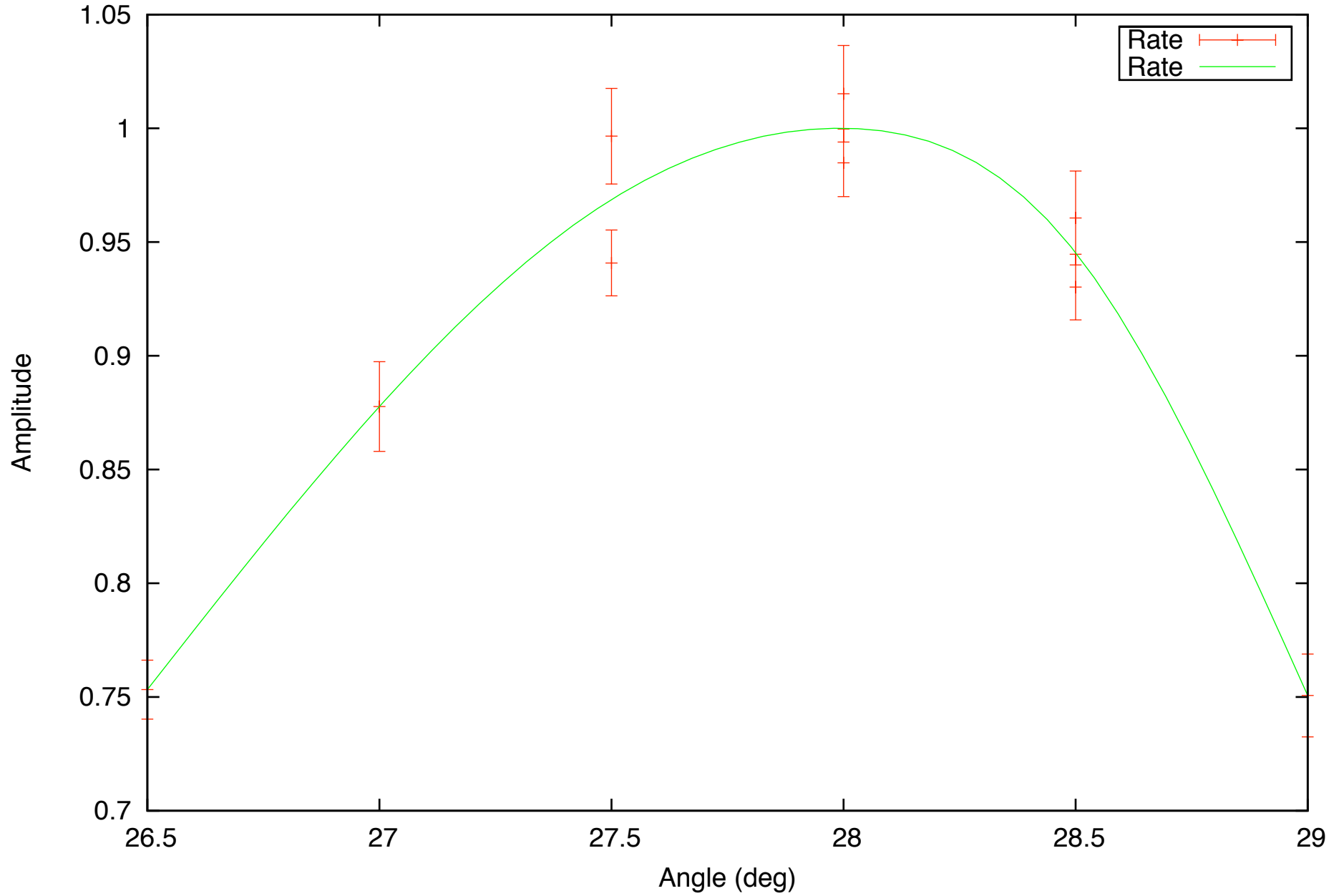
box-and-whisker plot adding median value as bar



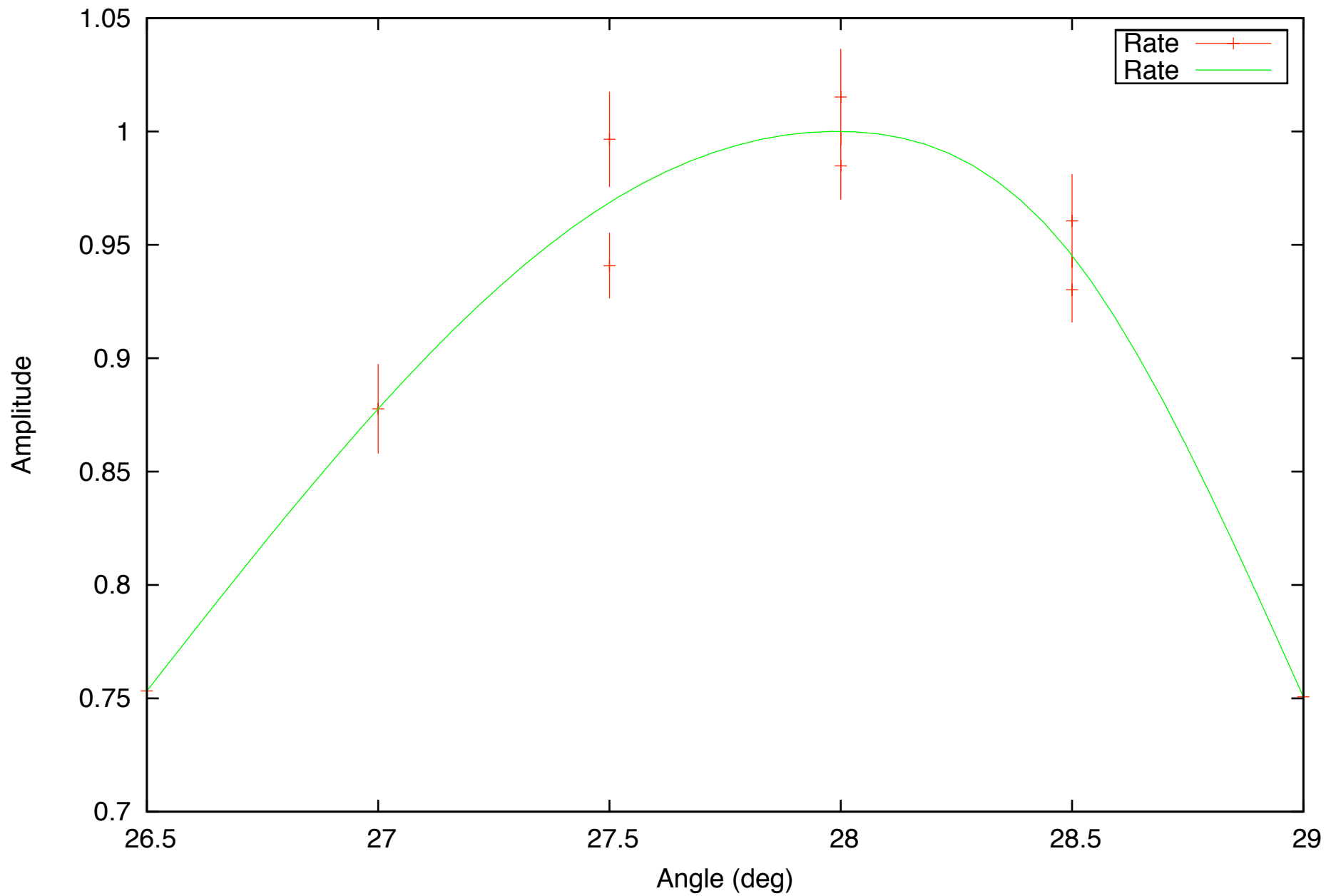
box-and-whisker with median bar and whiskerbars



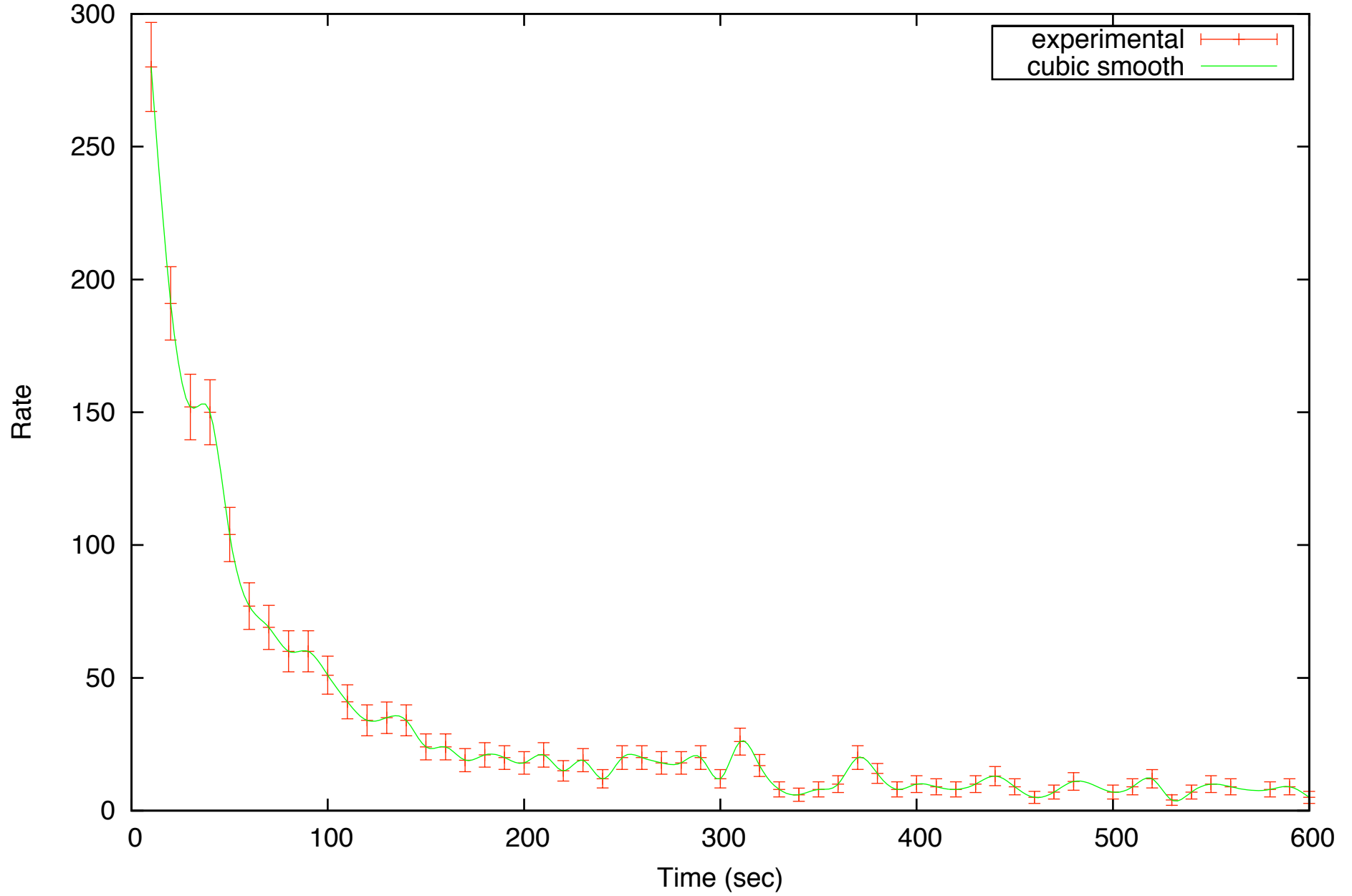
Bragg reflection -- Peak only



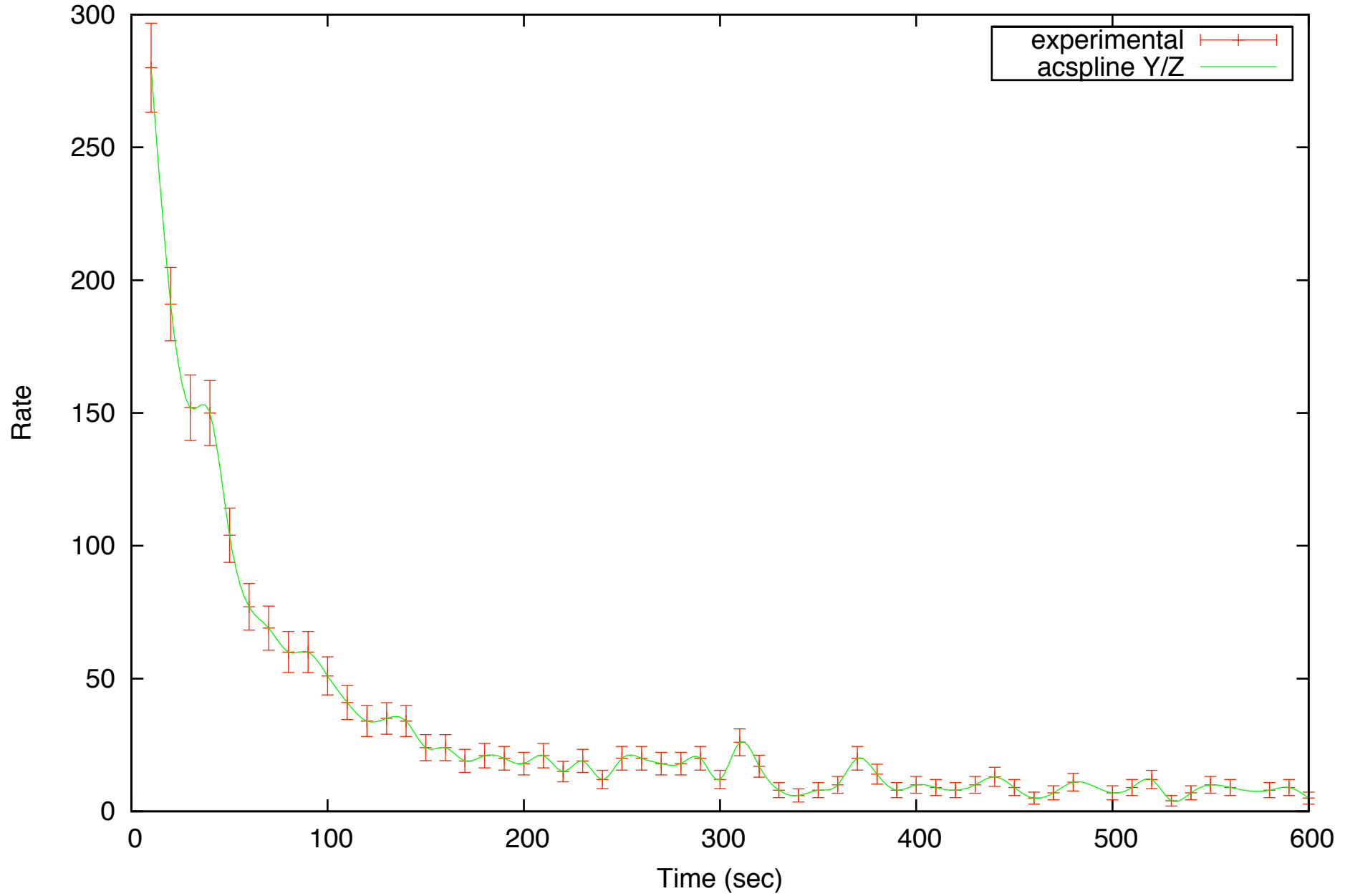
Bragg reflection -- Peak only



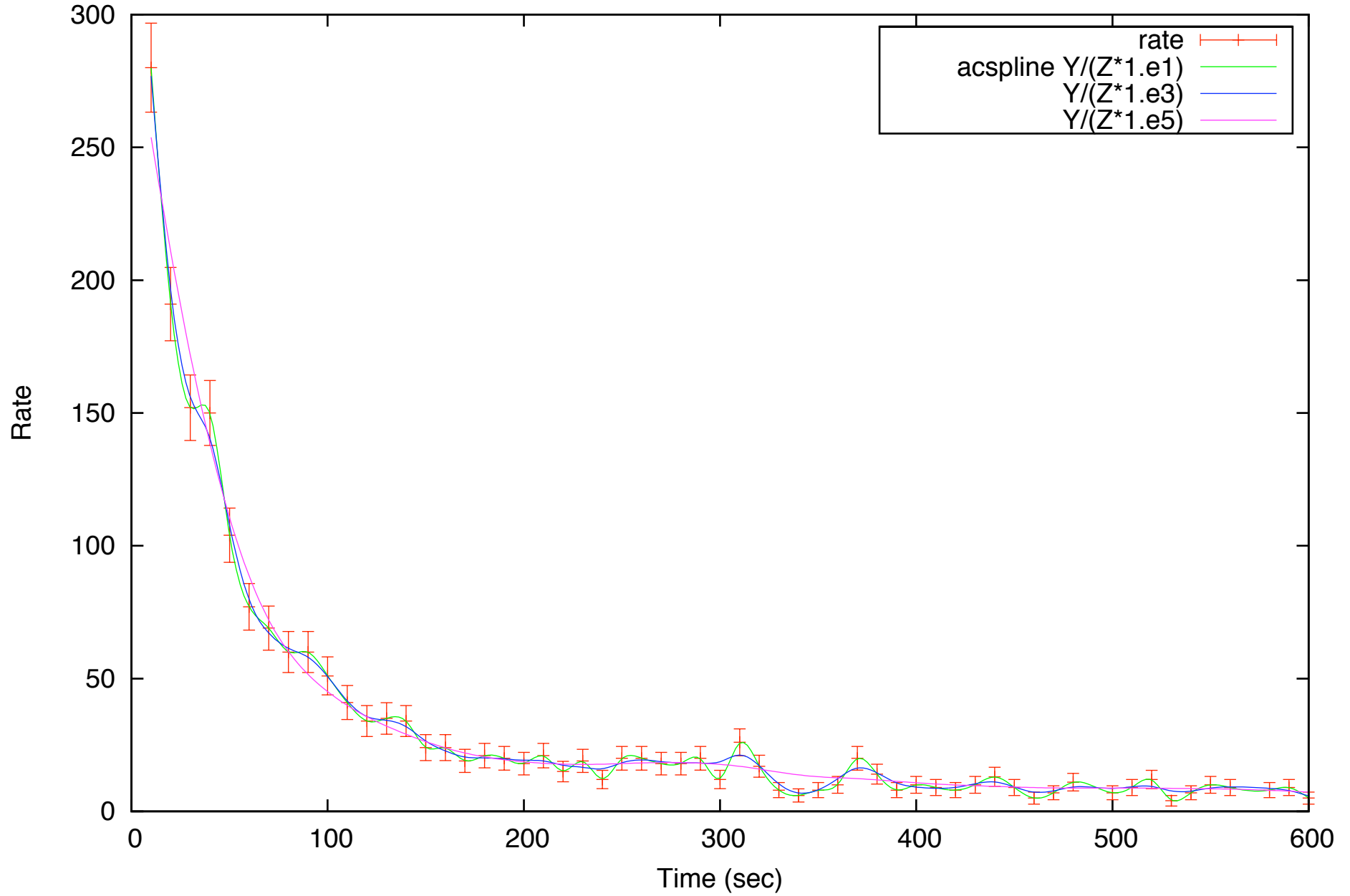
Ag 108 decay data



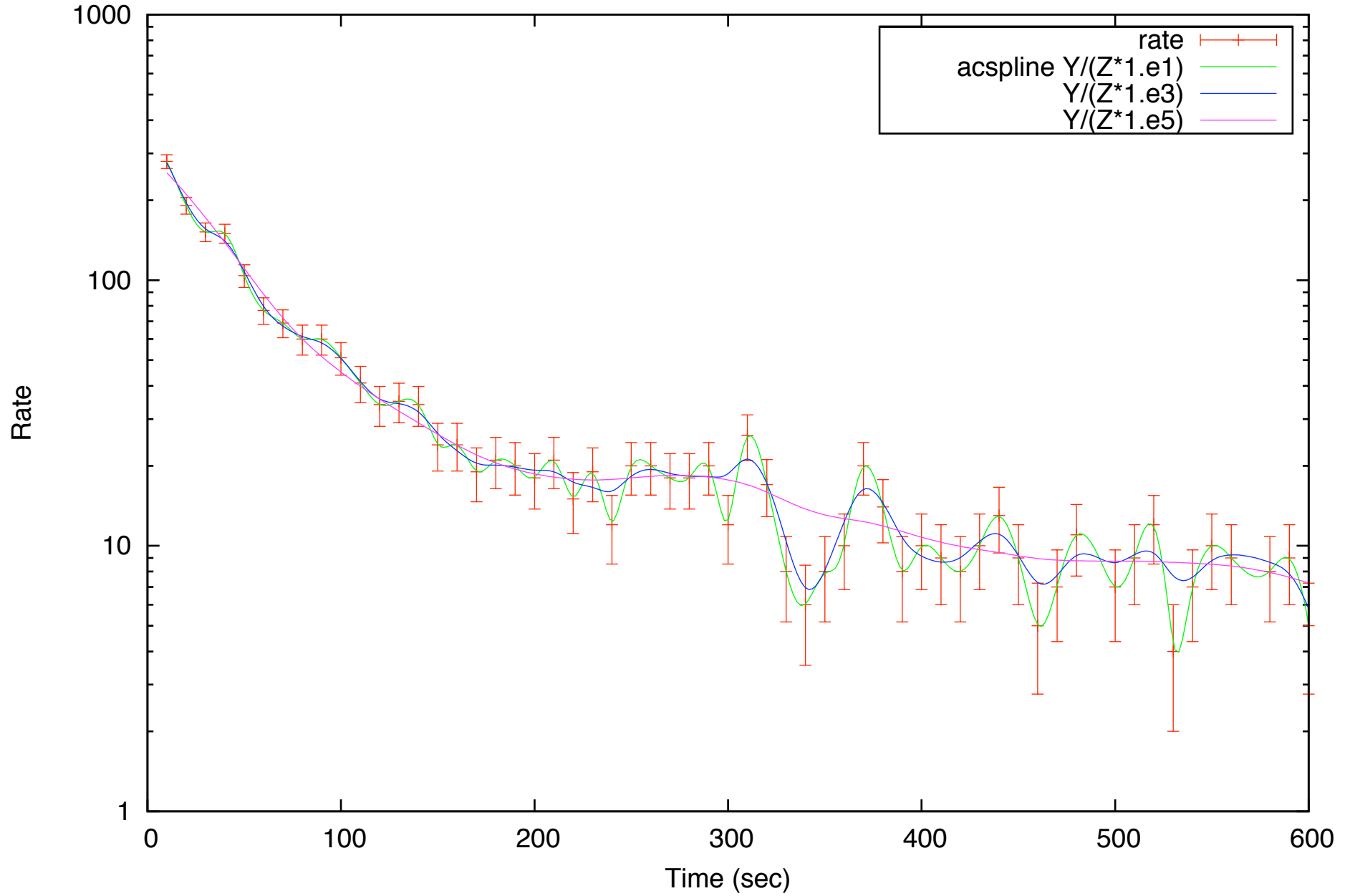
Ag 108 decay data



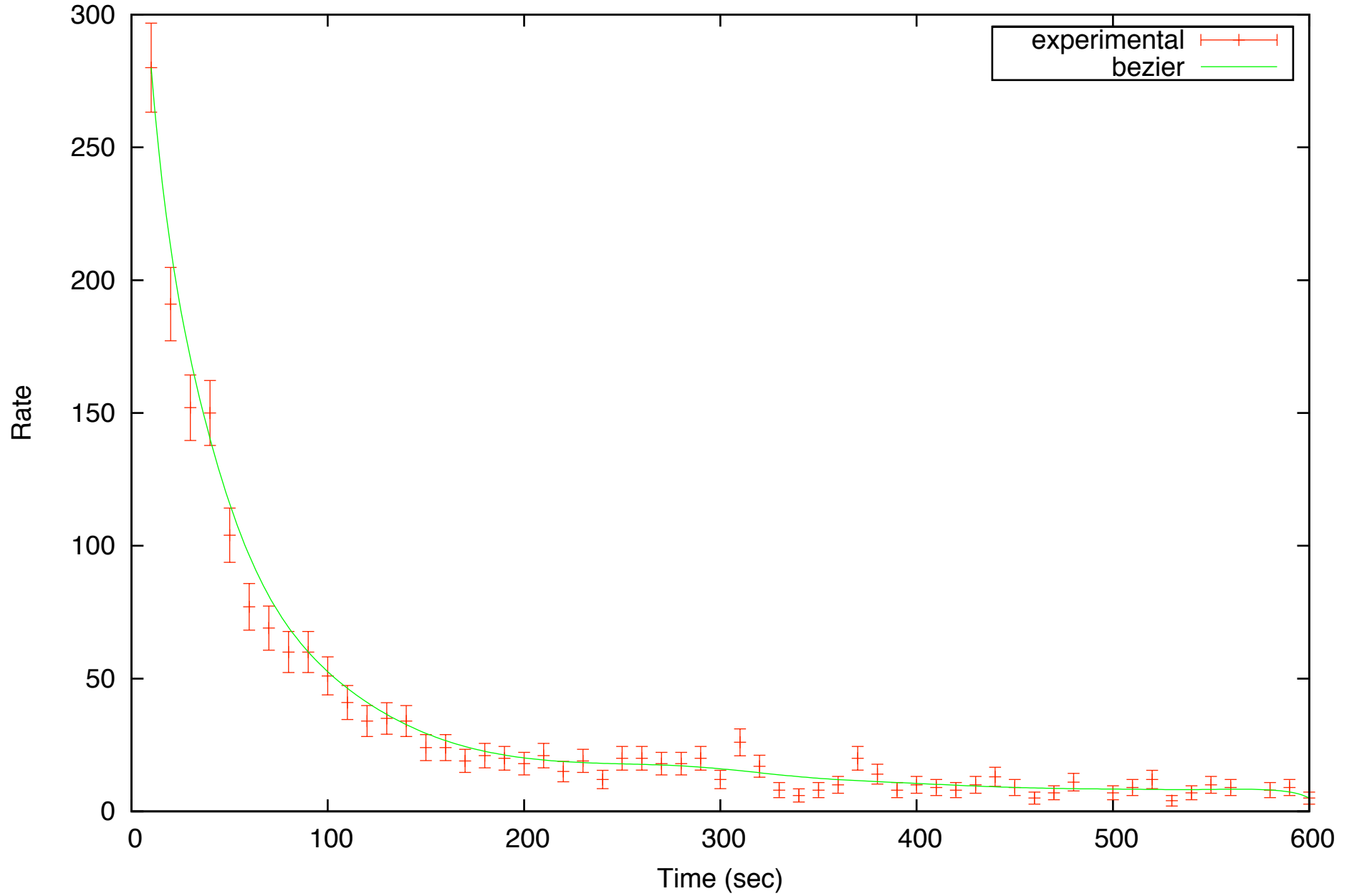
Ag 108 decay data



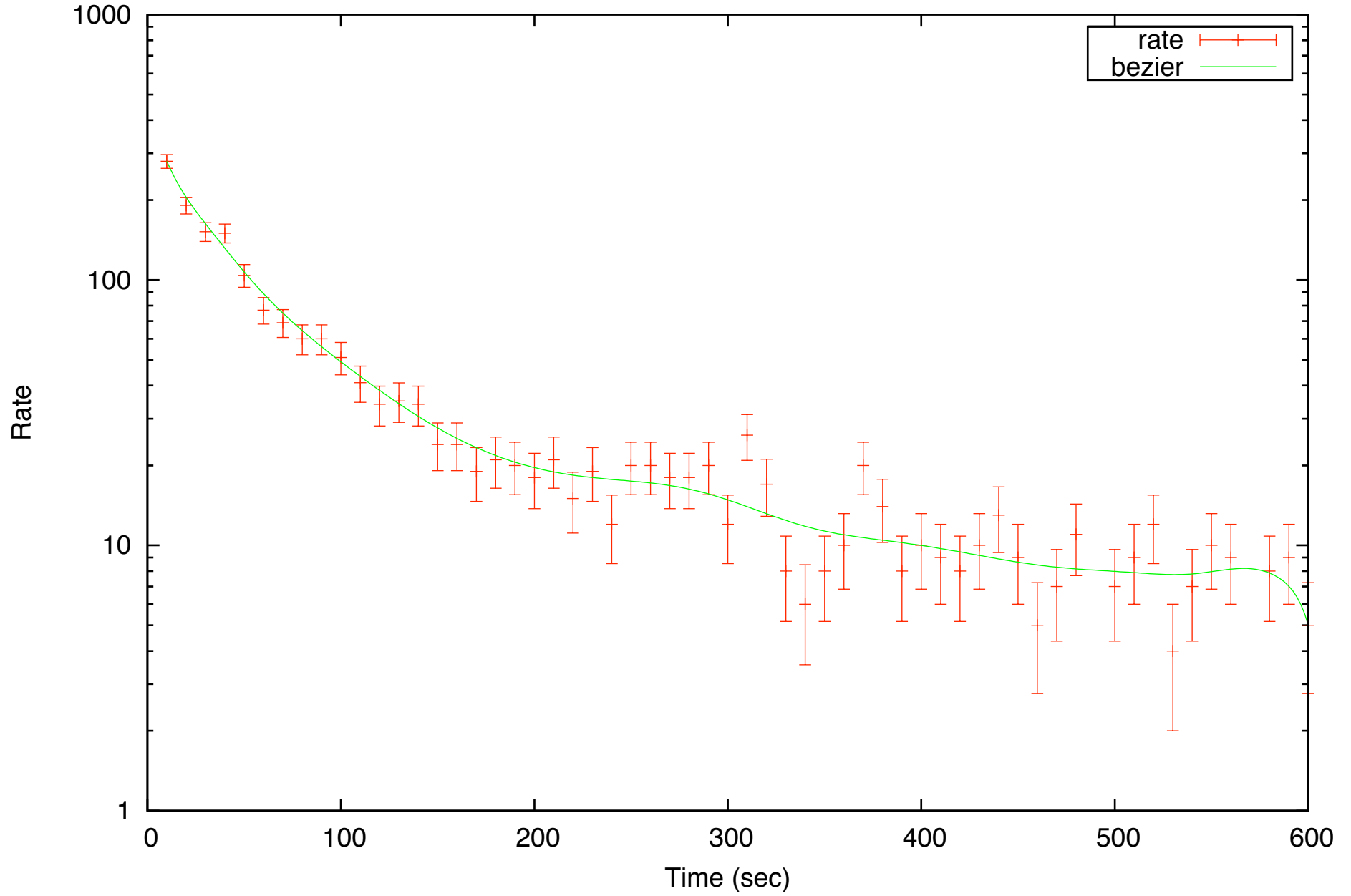
Ag 108 decay data



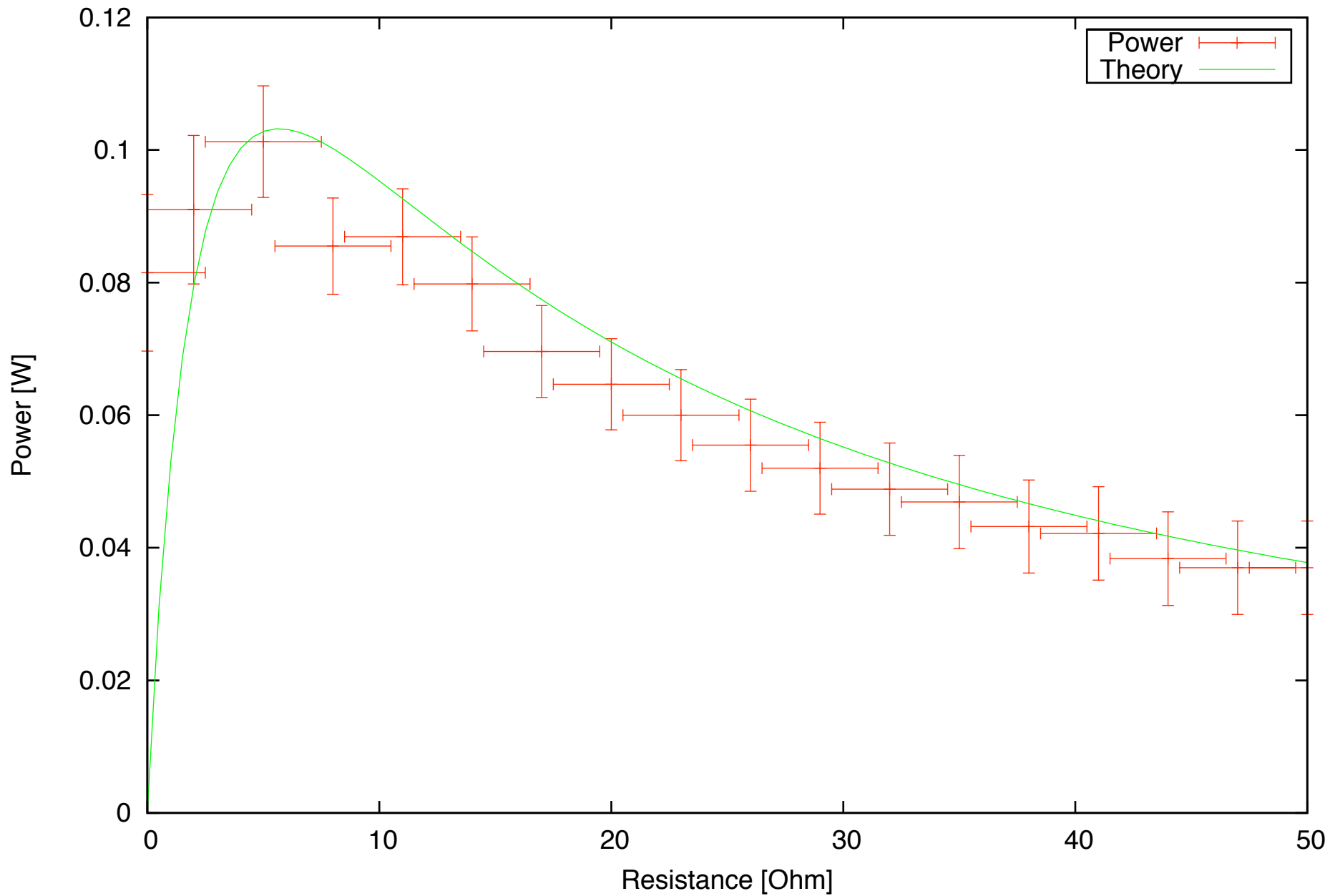
Ag 108 decay data



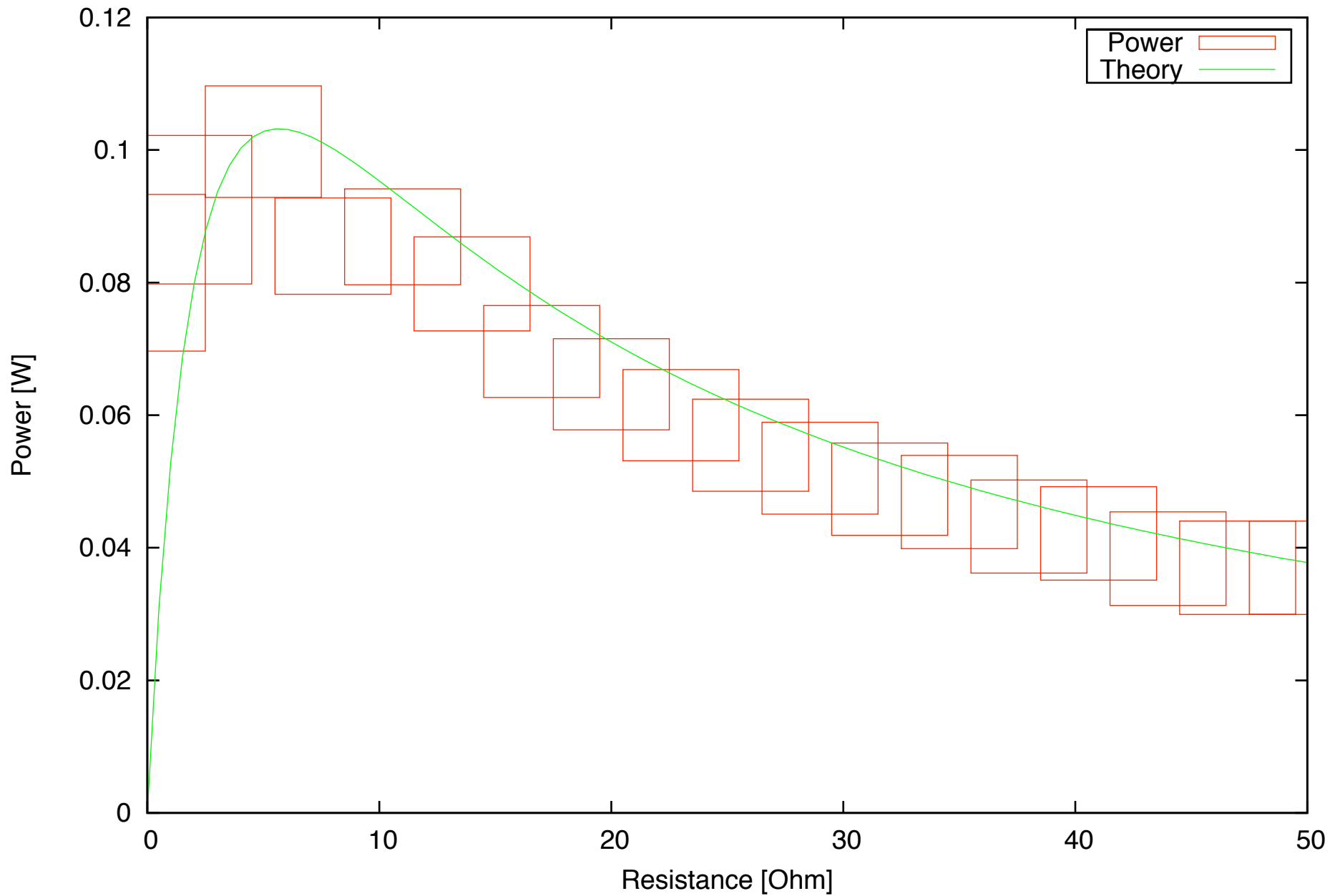
Ag 108 decay data



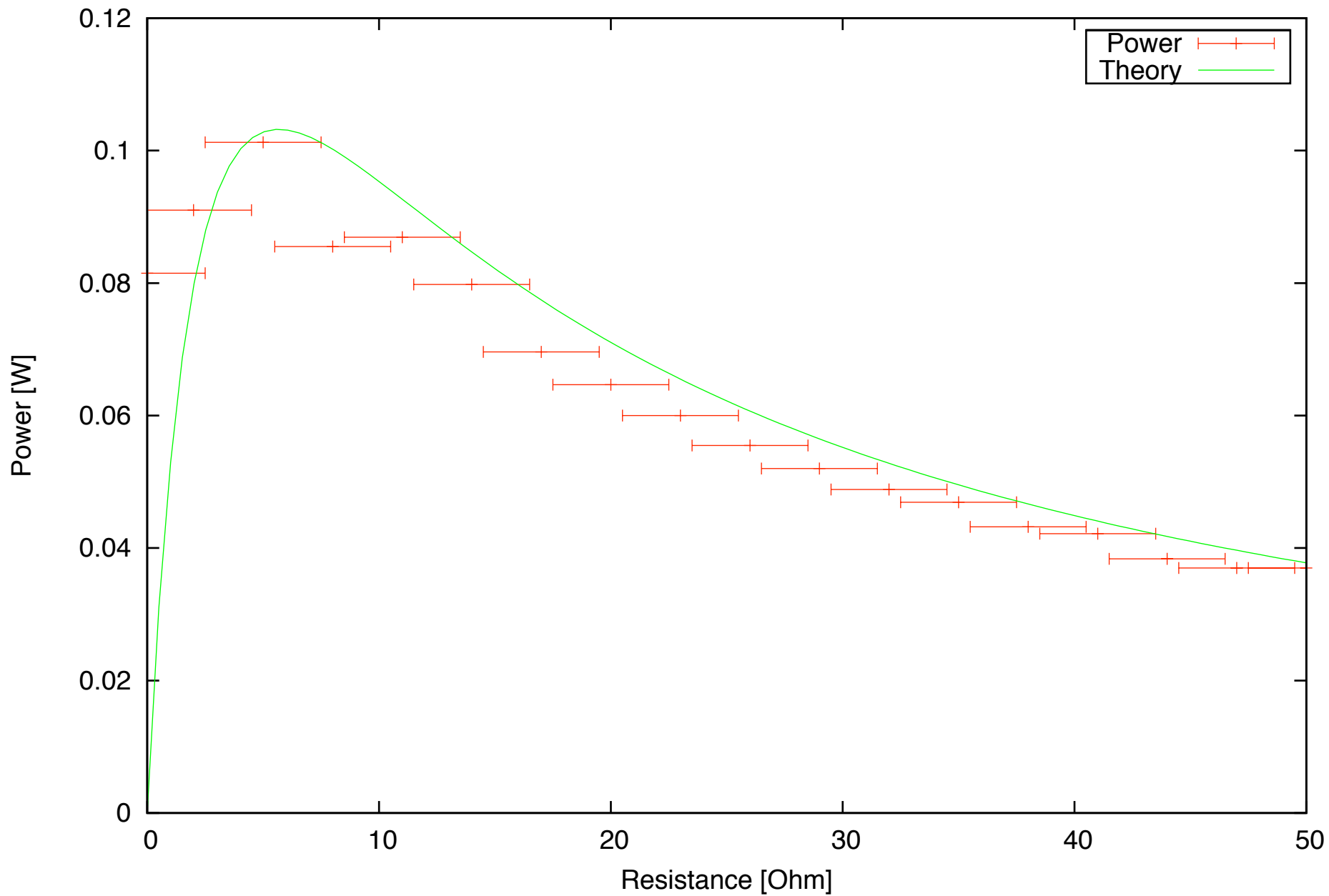
UM1-Cell Power



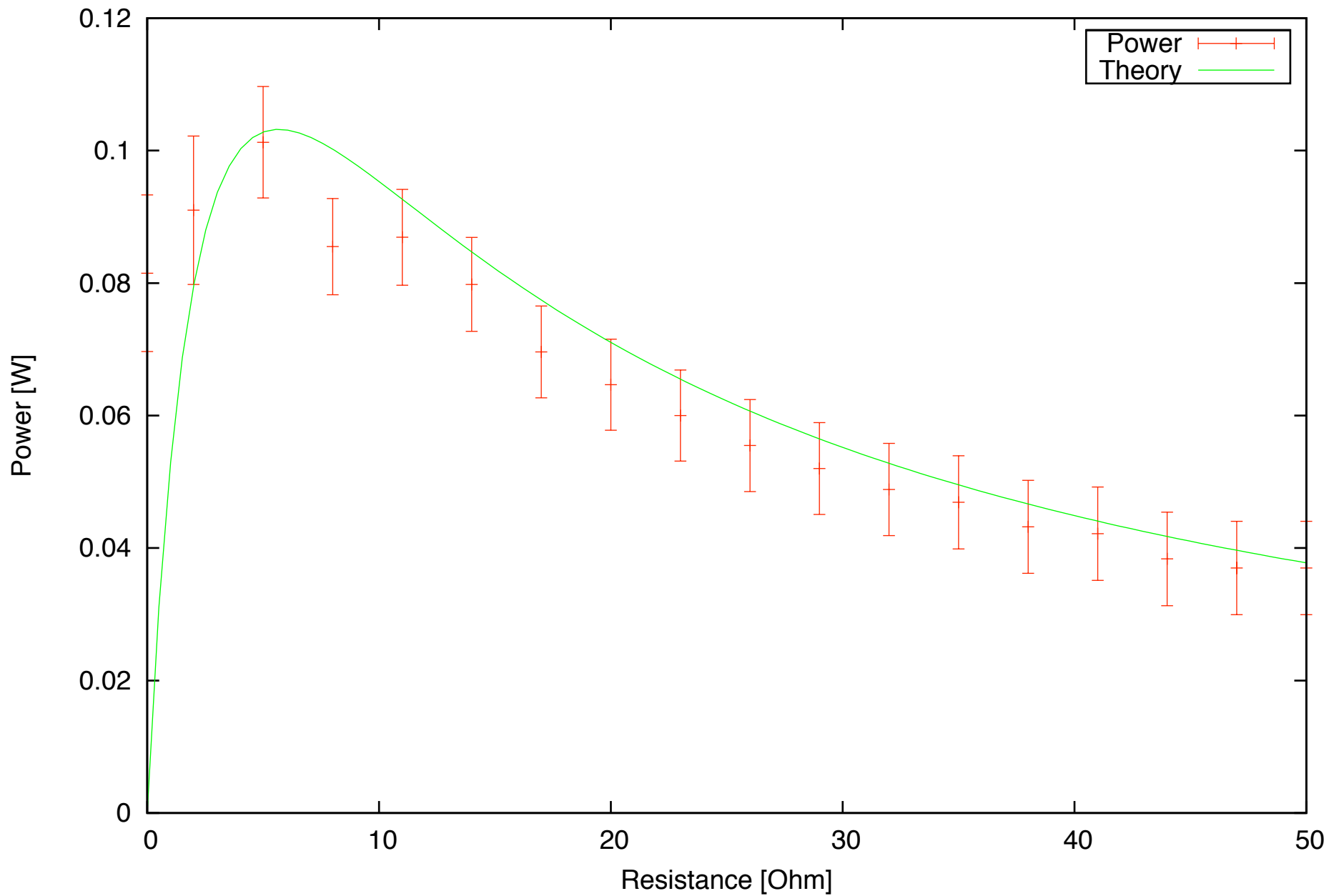
UM1-Cell Power



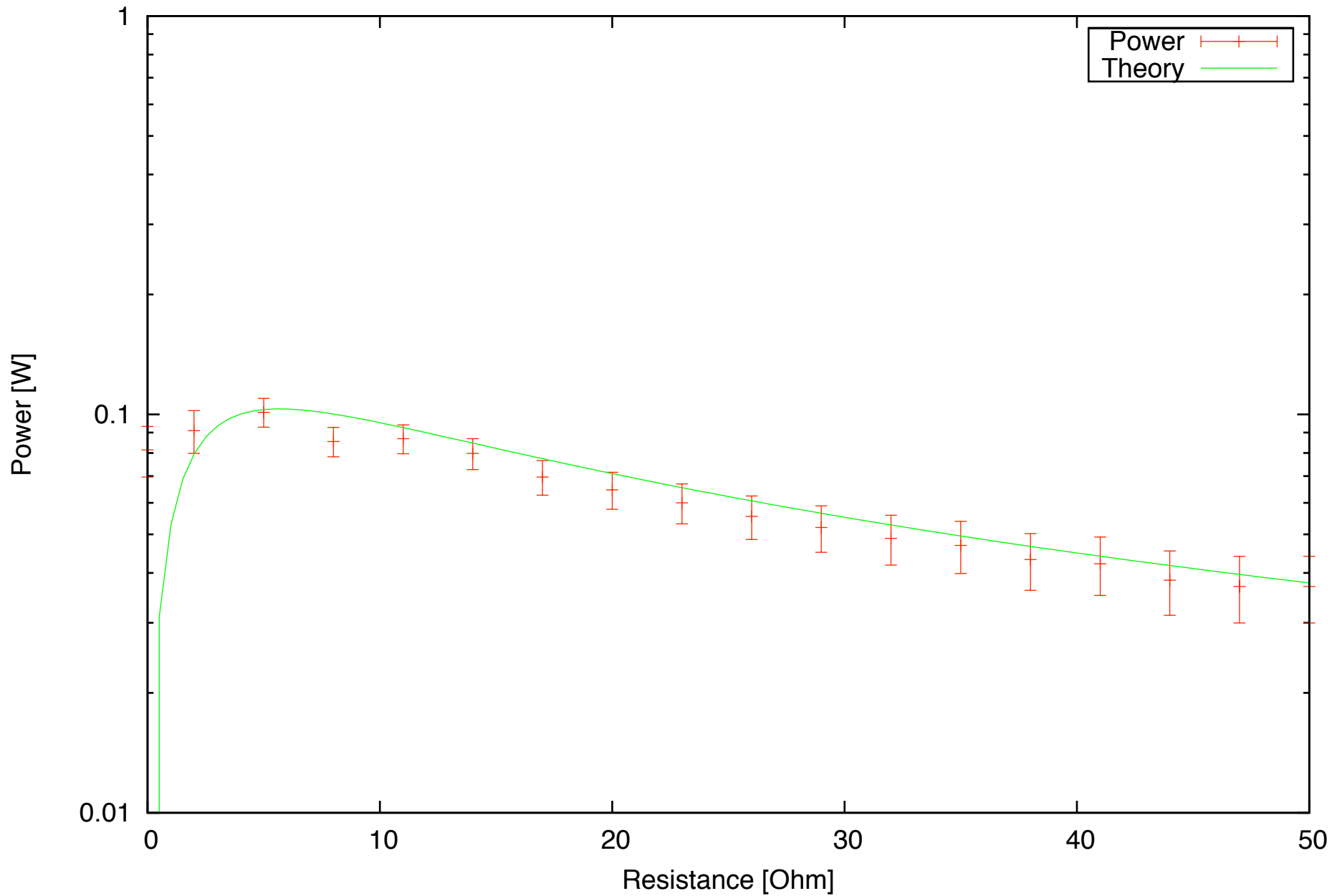
UM1-Cell Power



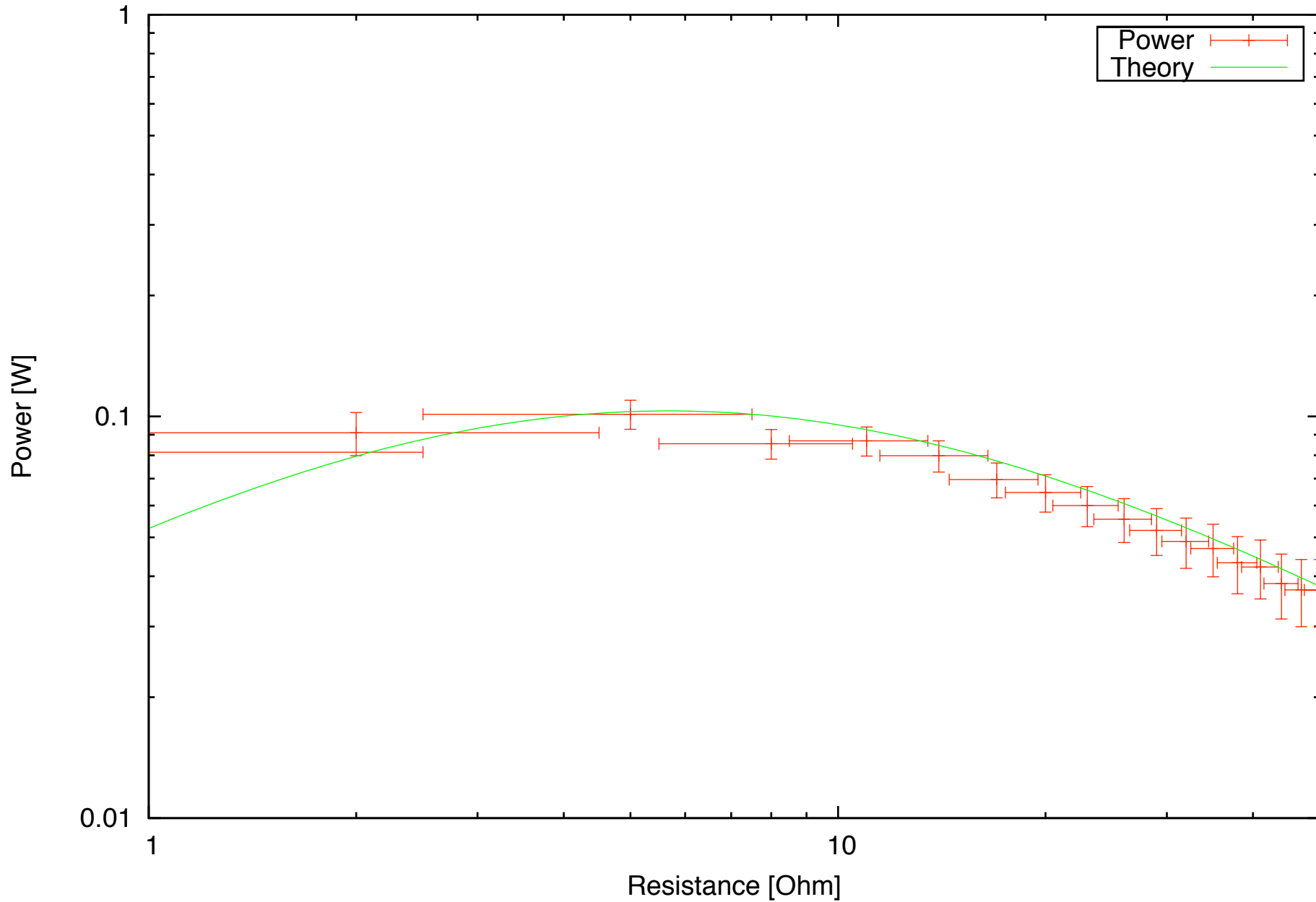
UM1-Cell Power



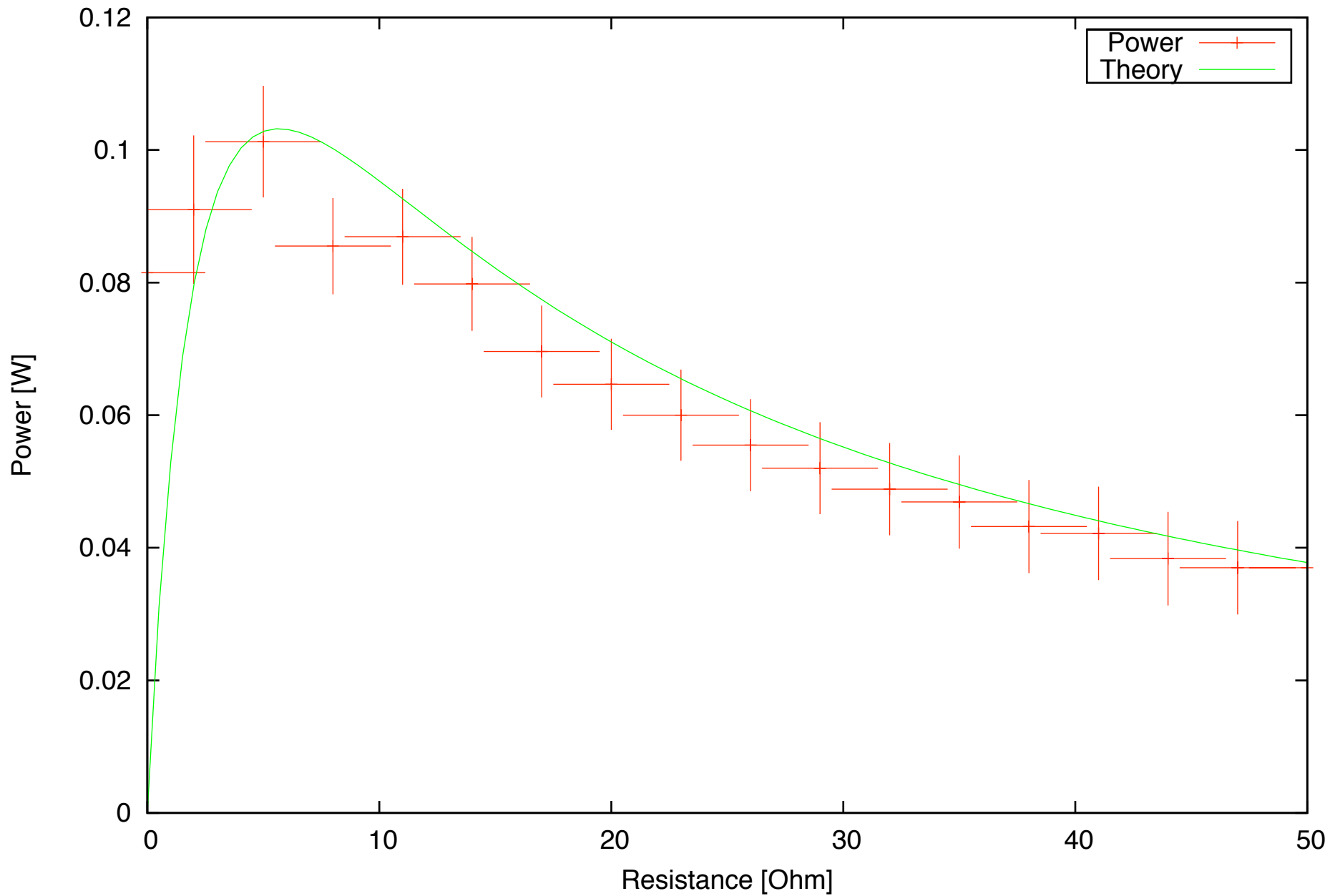
UM1-Cell Power



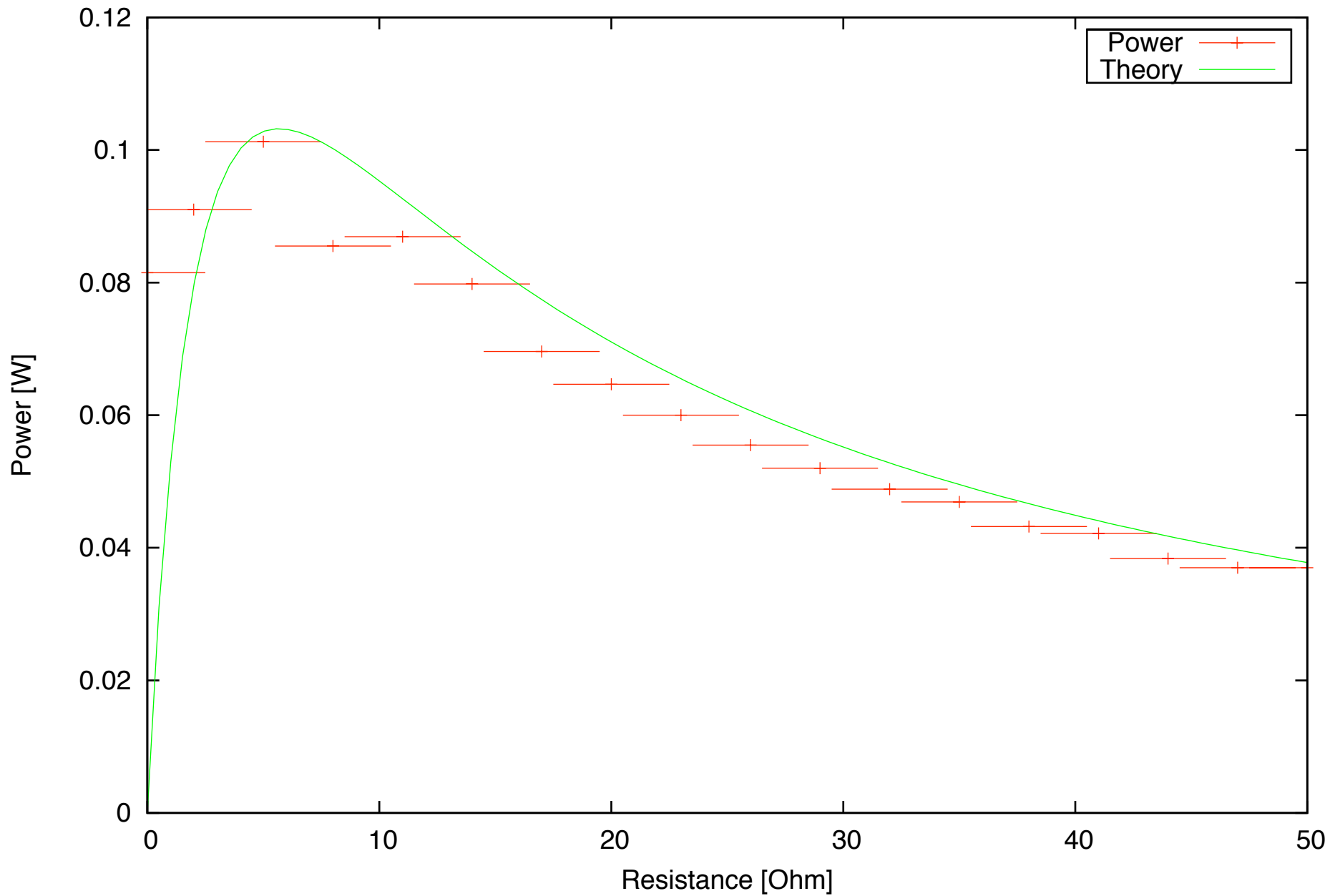
UM1-Cell Power



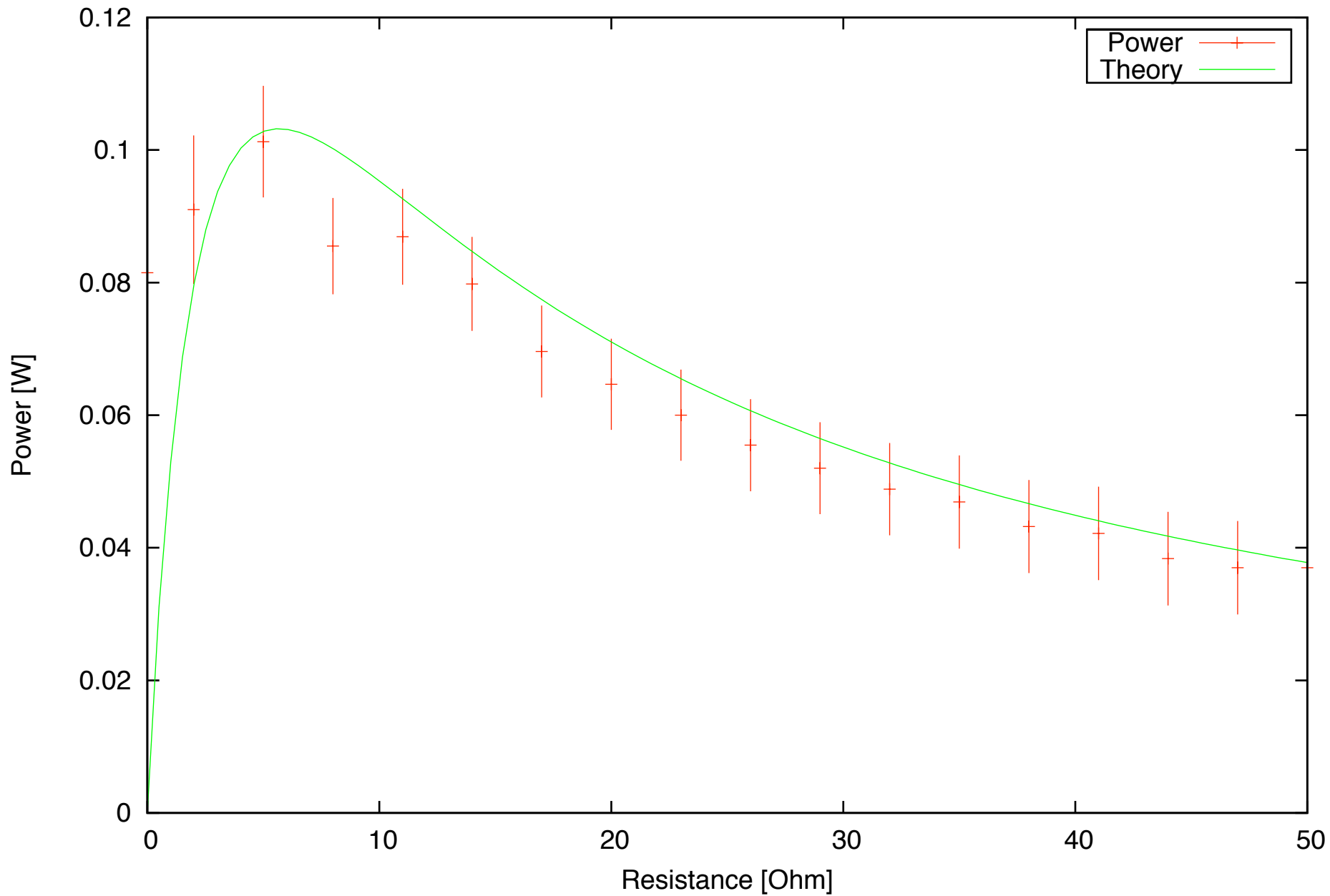
UM1-Cell Power



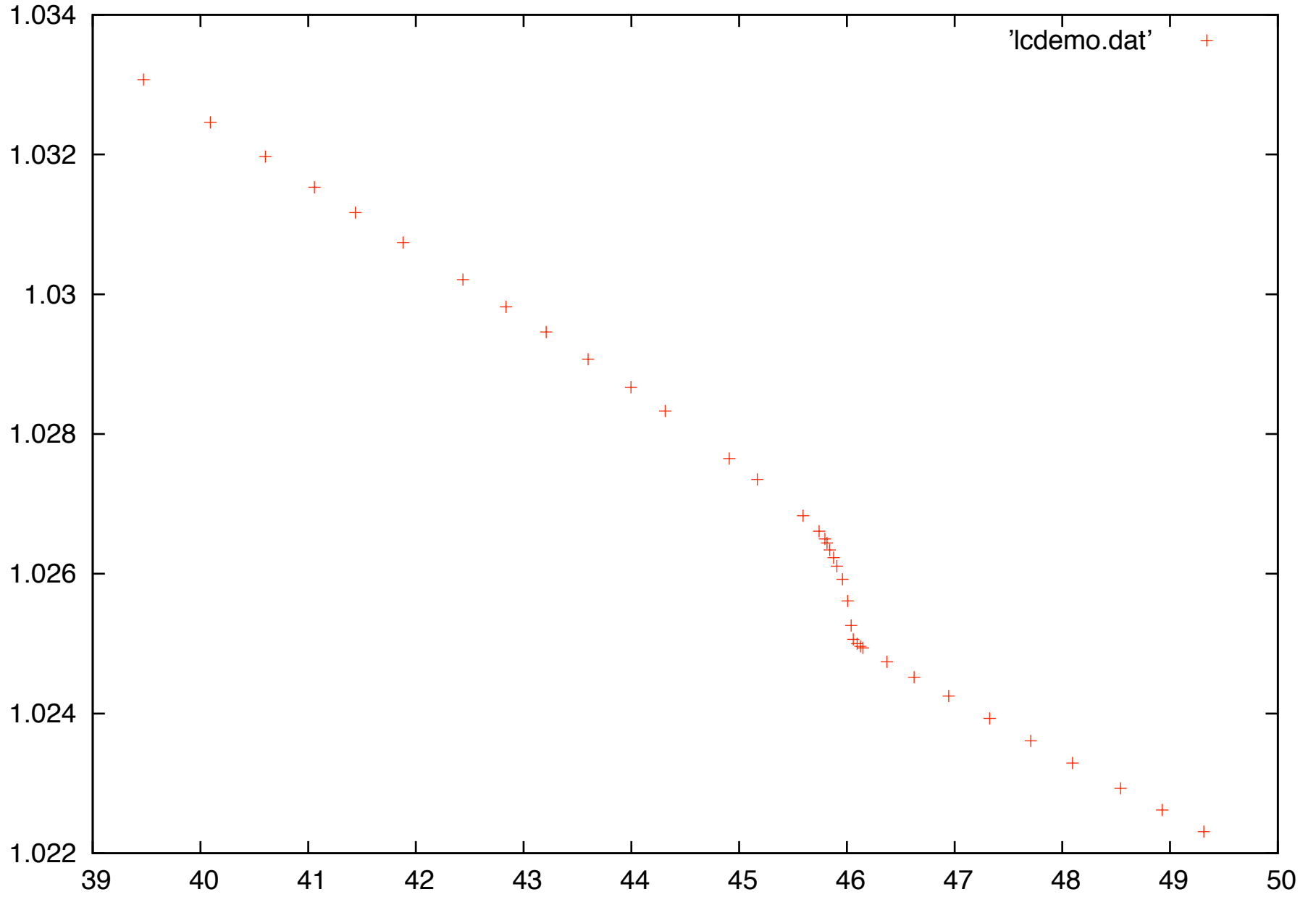
UM1-Cell Power



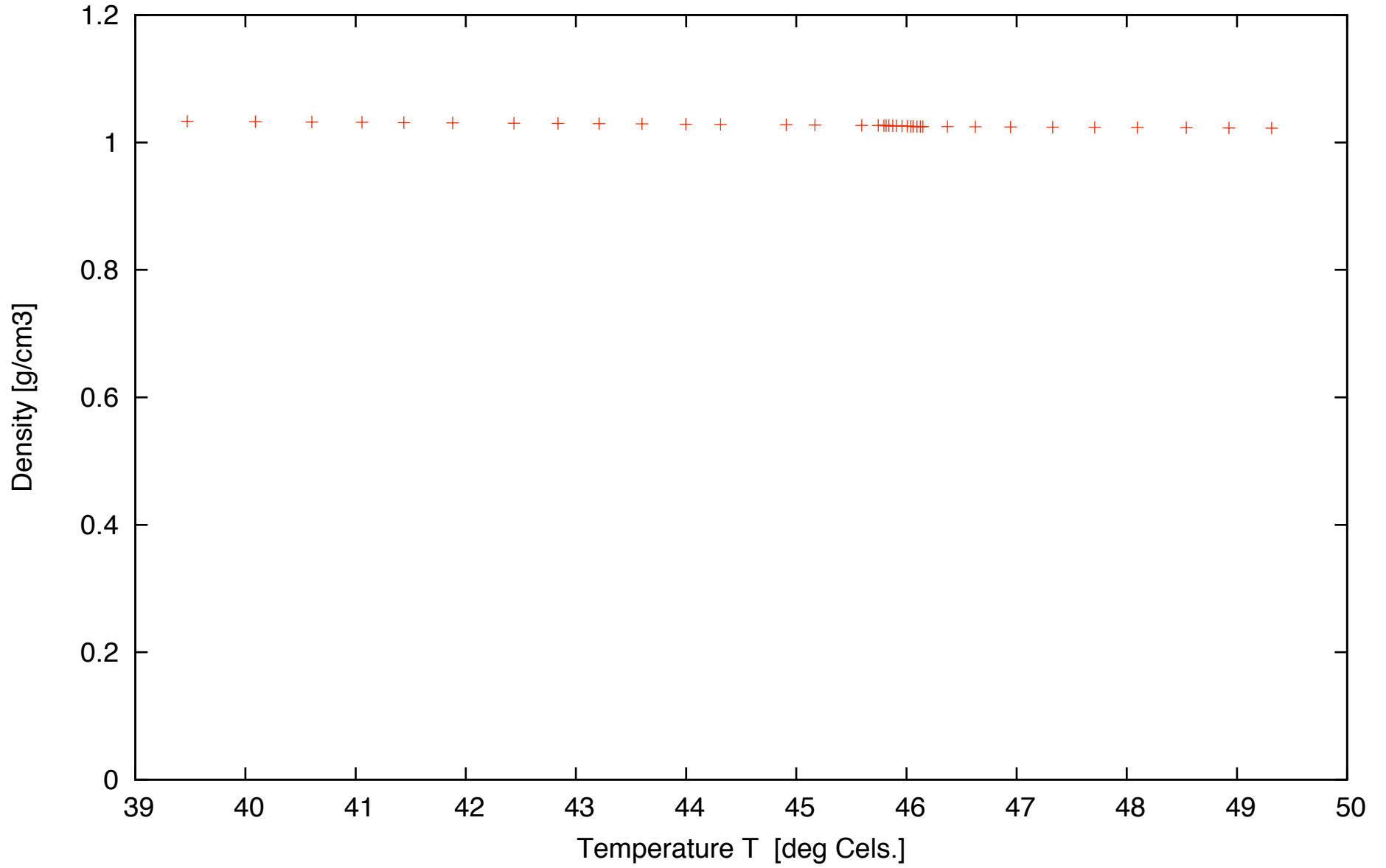
UM1-Cell Power



data for first fit demo



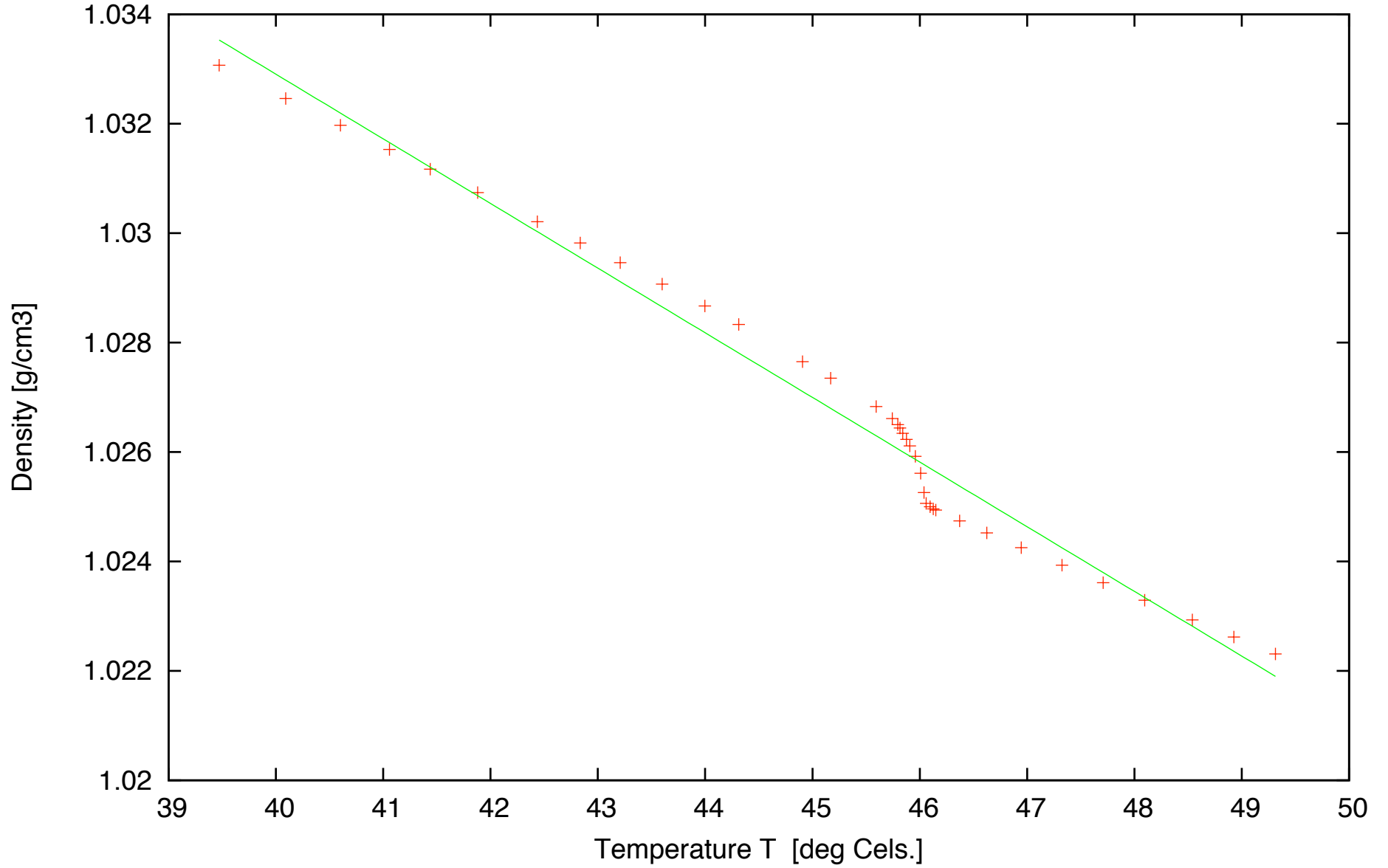
all fit params set to 0



'lcdemo.dat' +

$l(x)$ —

unweighted fit



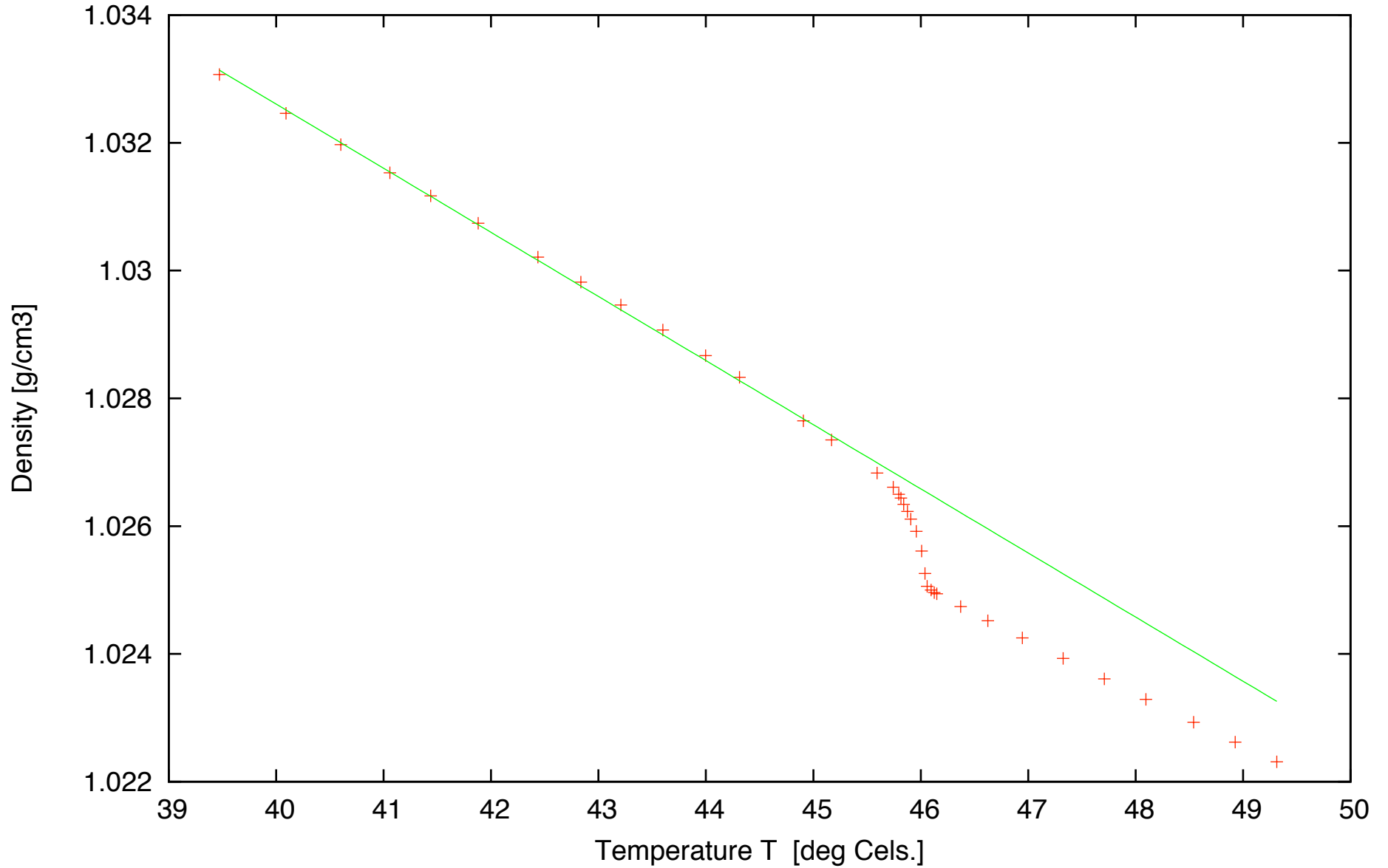
'lcdemo.dat'

+

l(x)

—

fit weighted towards low temperatures



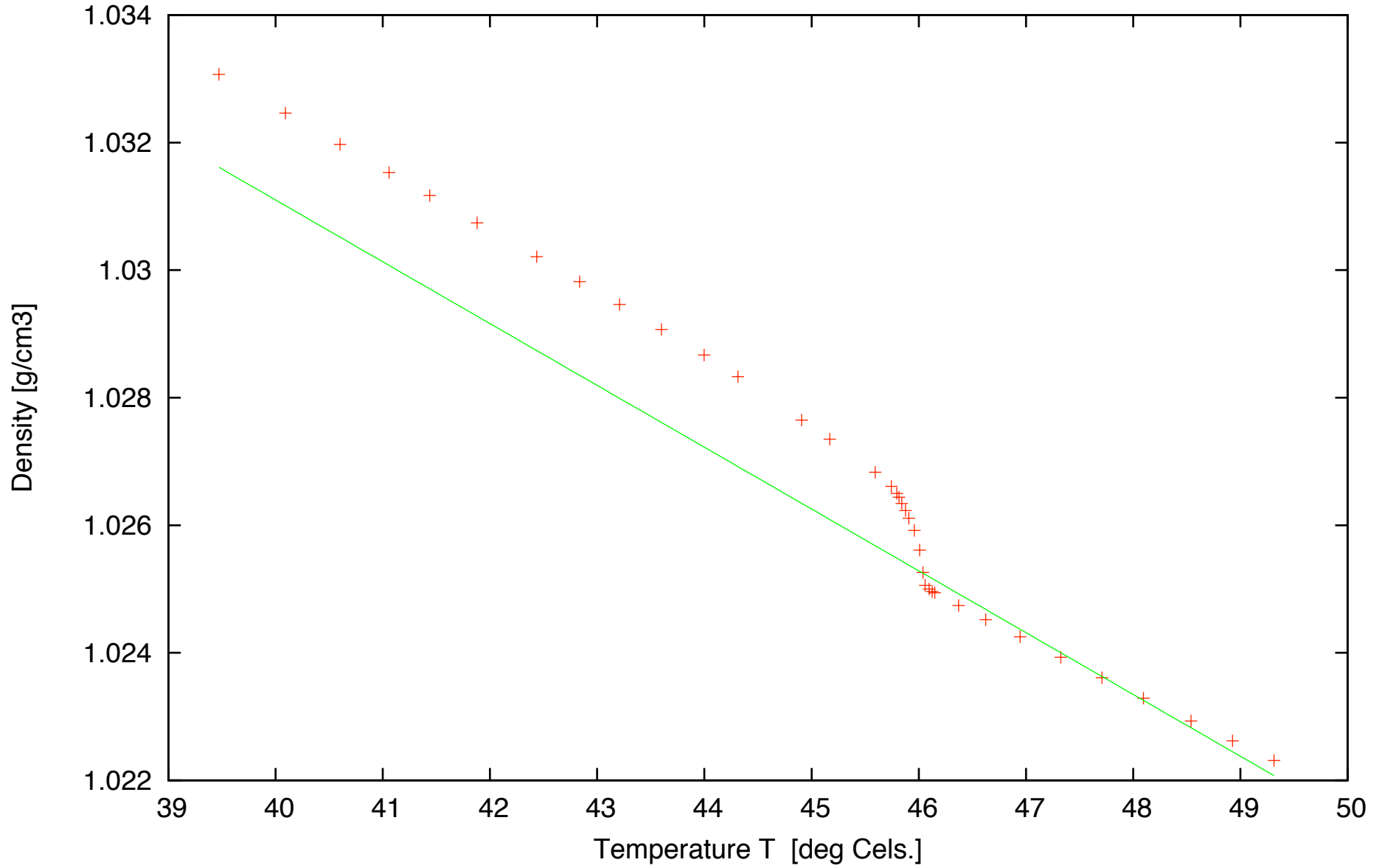
'lcdemo.dat'

+

$l(x)$

—

bias to high-temperates



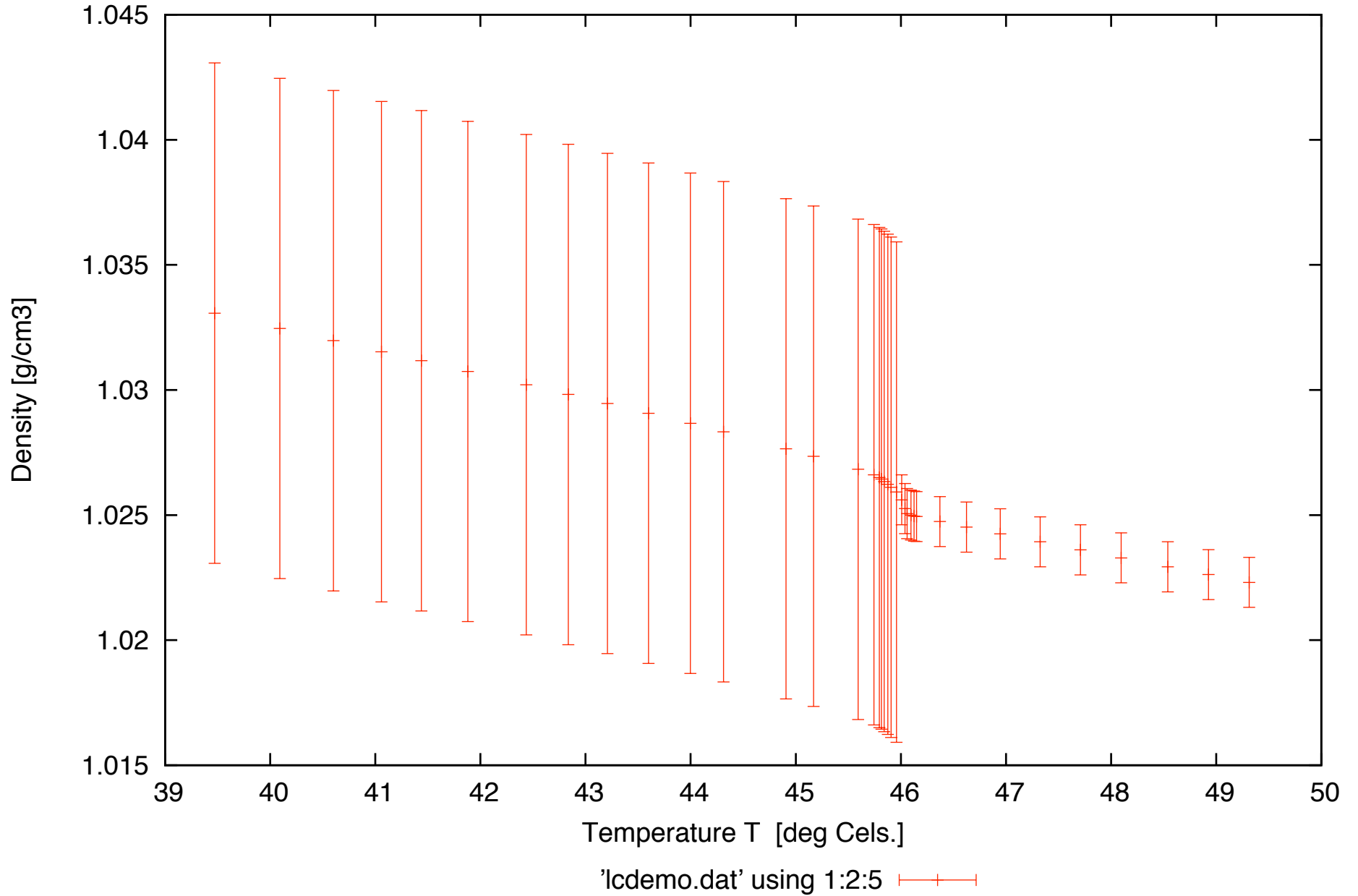
'lcdemo.dat'

+

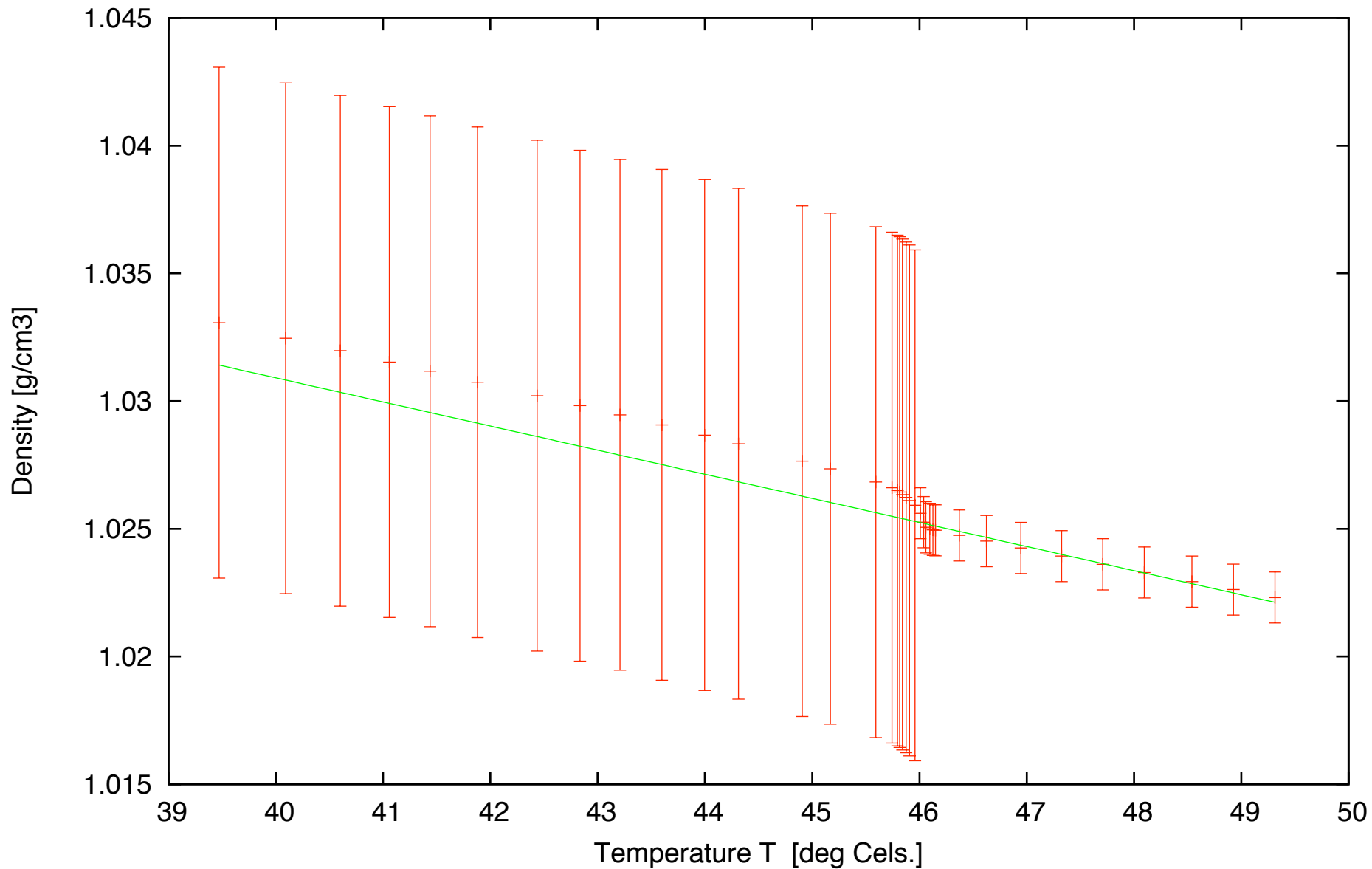
l(x)

—

data with experimental errors



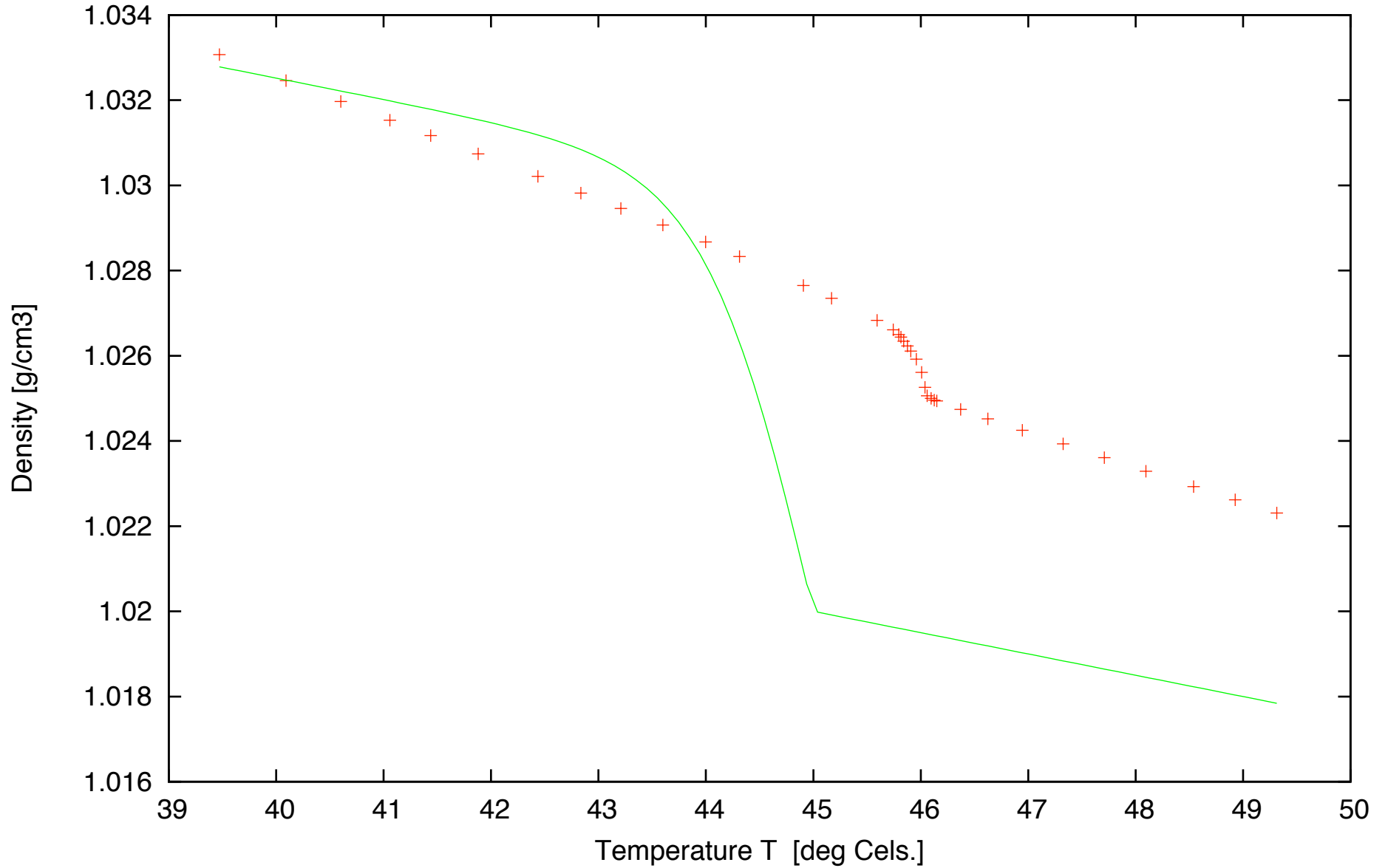
fit weighted by experimental errors



'lcdemo.dat' using 1:2:5

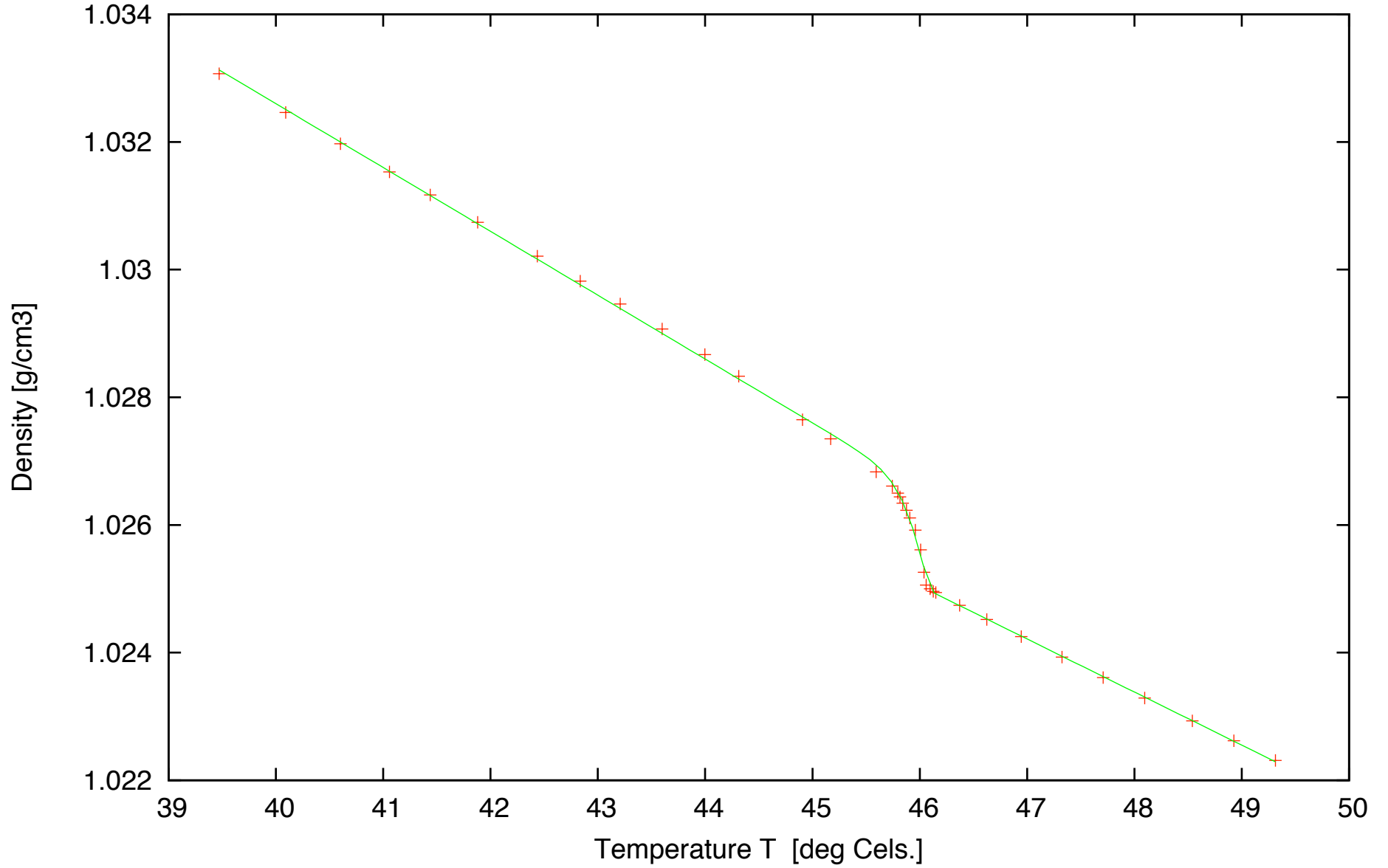
l(x)

initial parameters for realistic model function



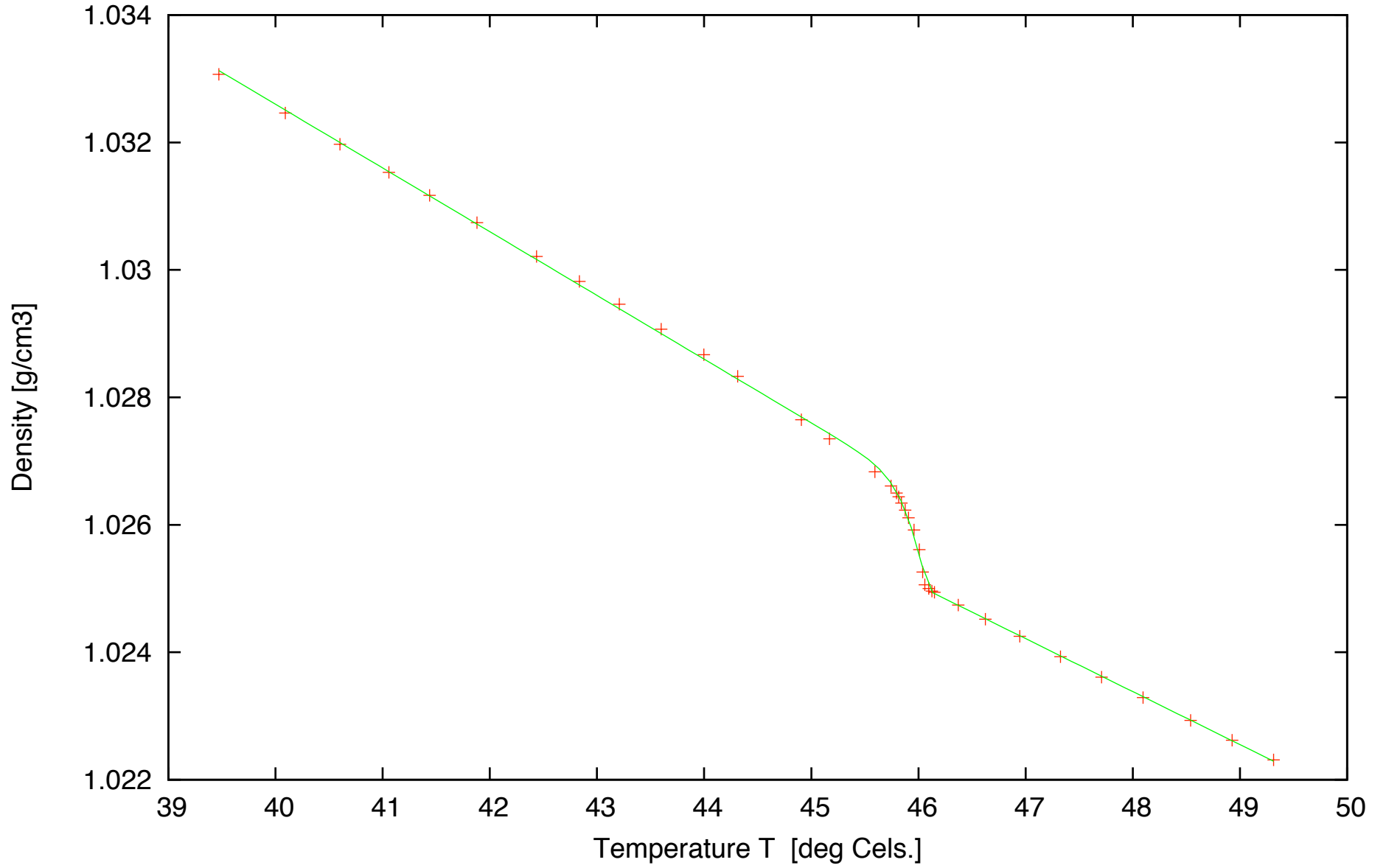
'lcdemo.dat' + density(x) —

fitted to realistic model function



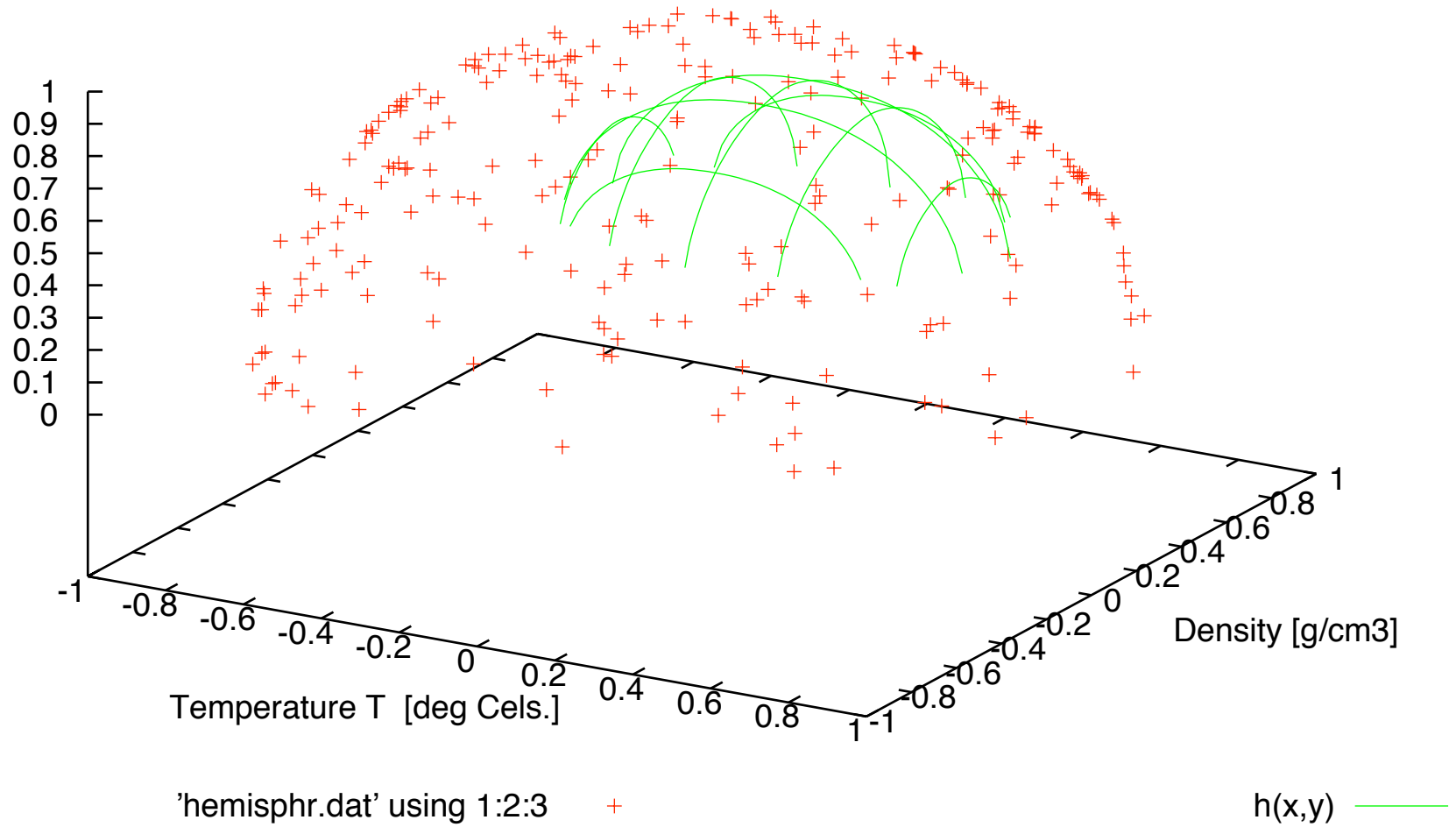
'lcdemo.dat' + density(x) —

fit with more iterations

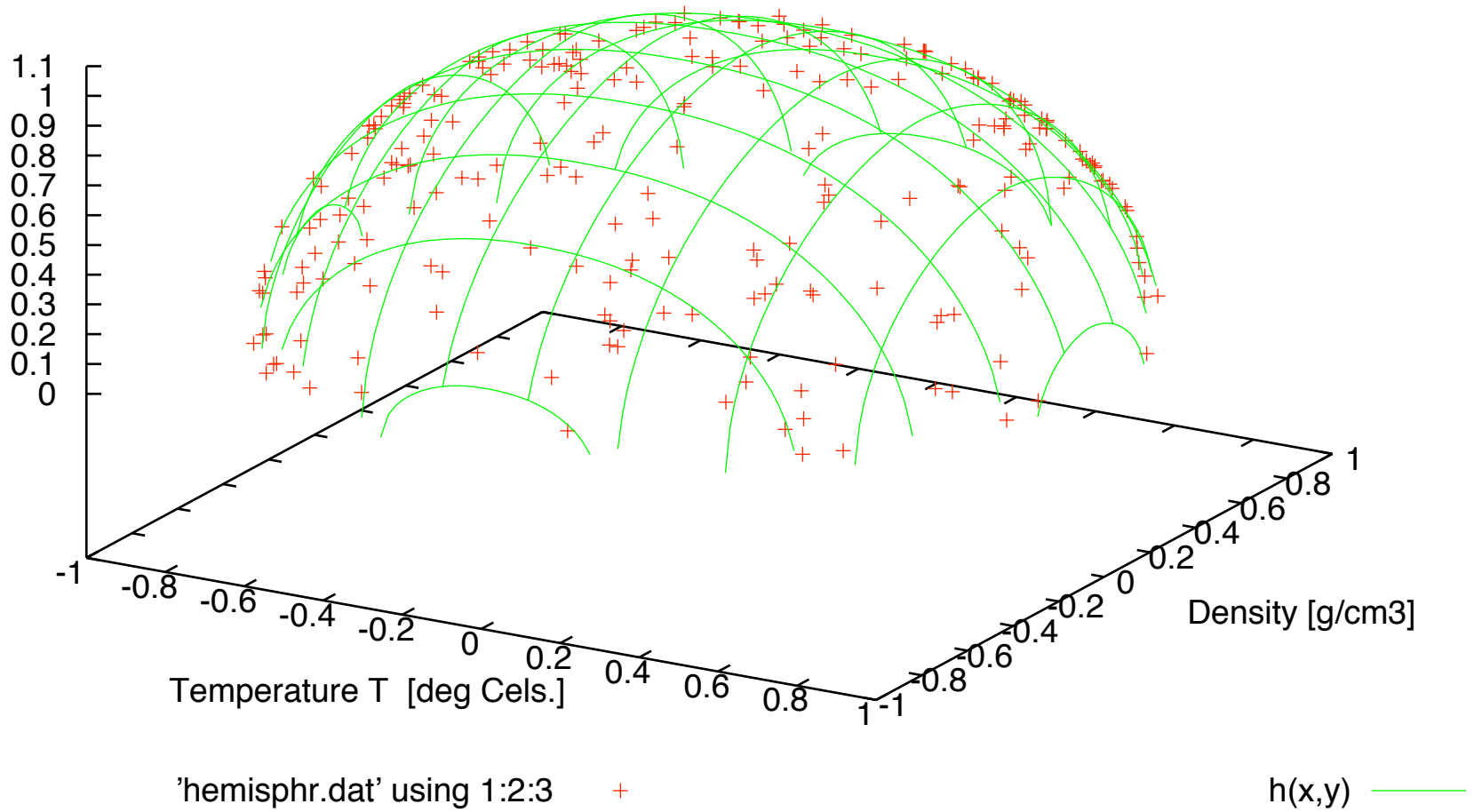


'lcdemo.dat' + density(x) —

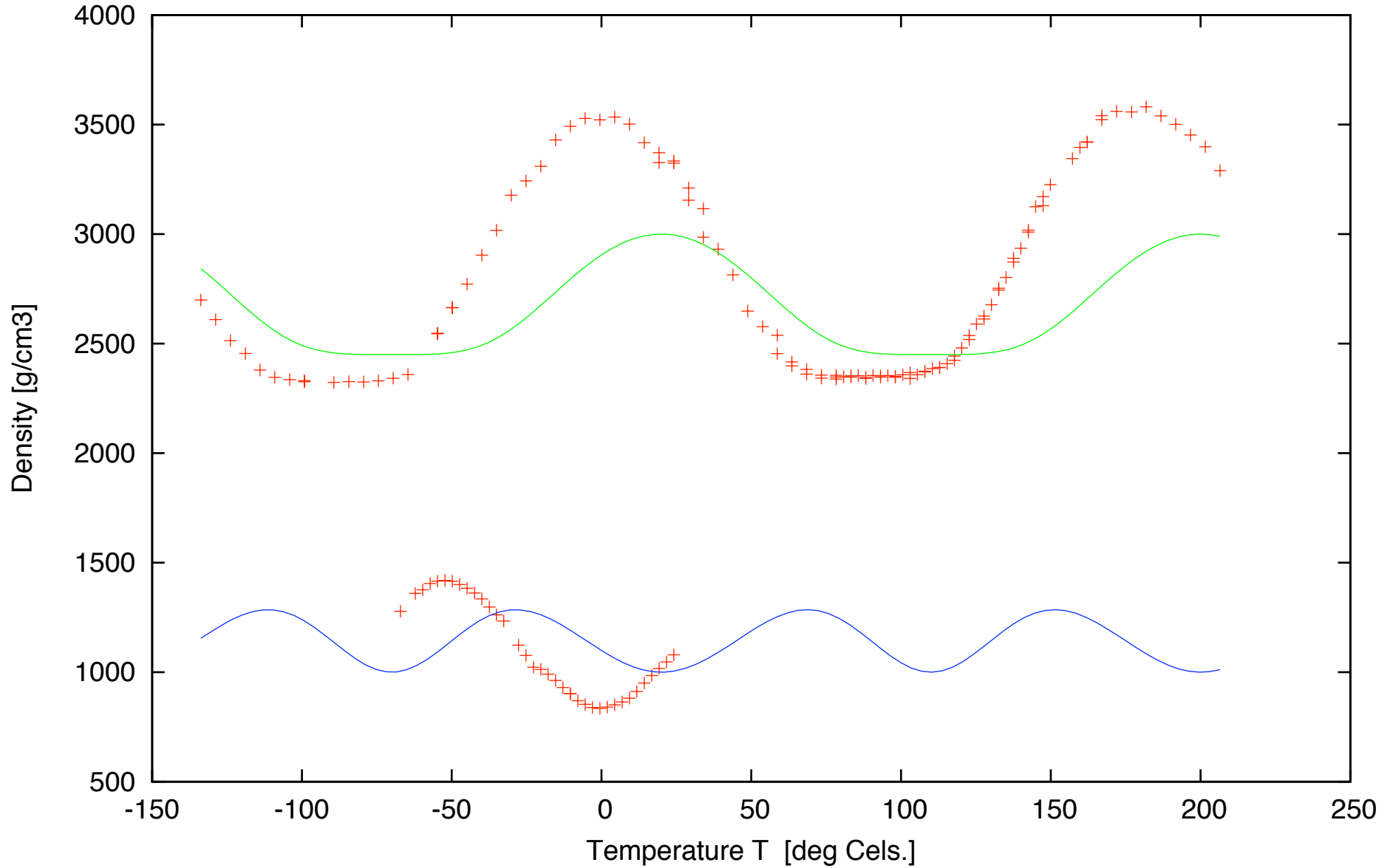
the scattered points, and the initial parameter



the scattered points, fitted curve



sound data, and model with initial parameters

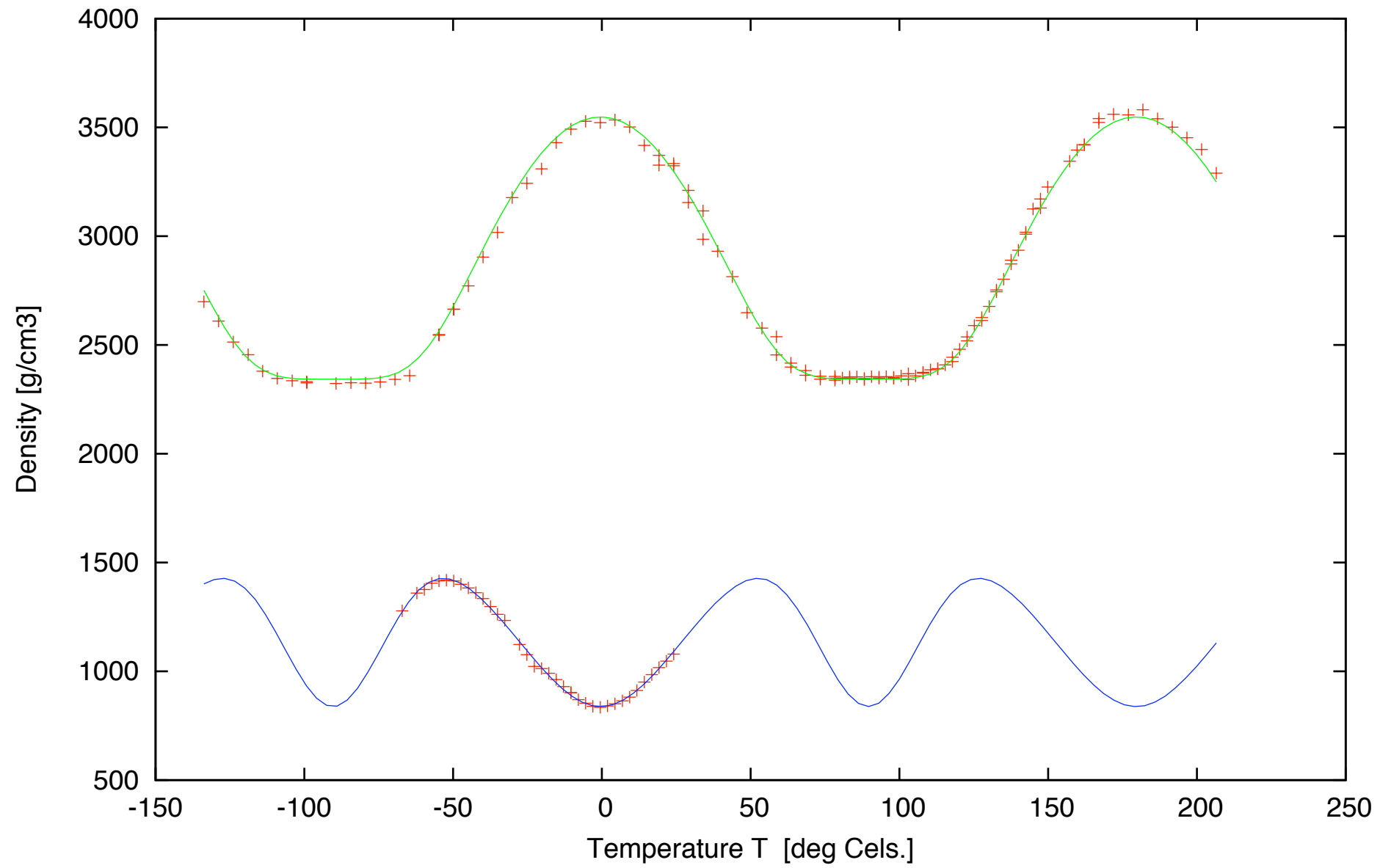


'soundvel.dat' +

vlong(x) —

vtrans(x) —

pseudo-3d multi-branch fit to velocity data

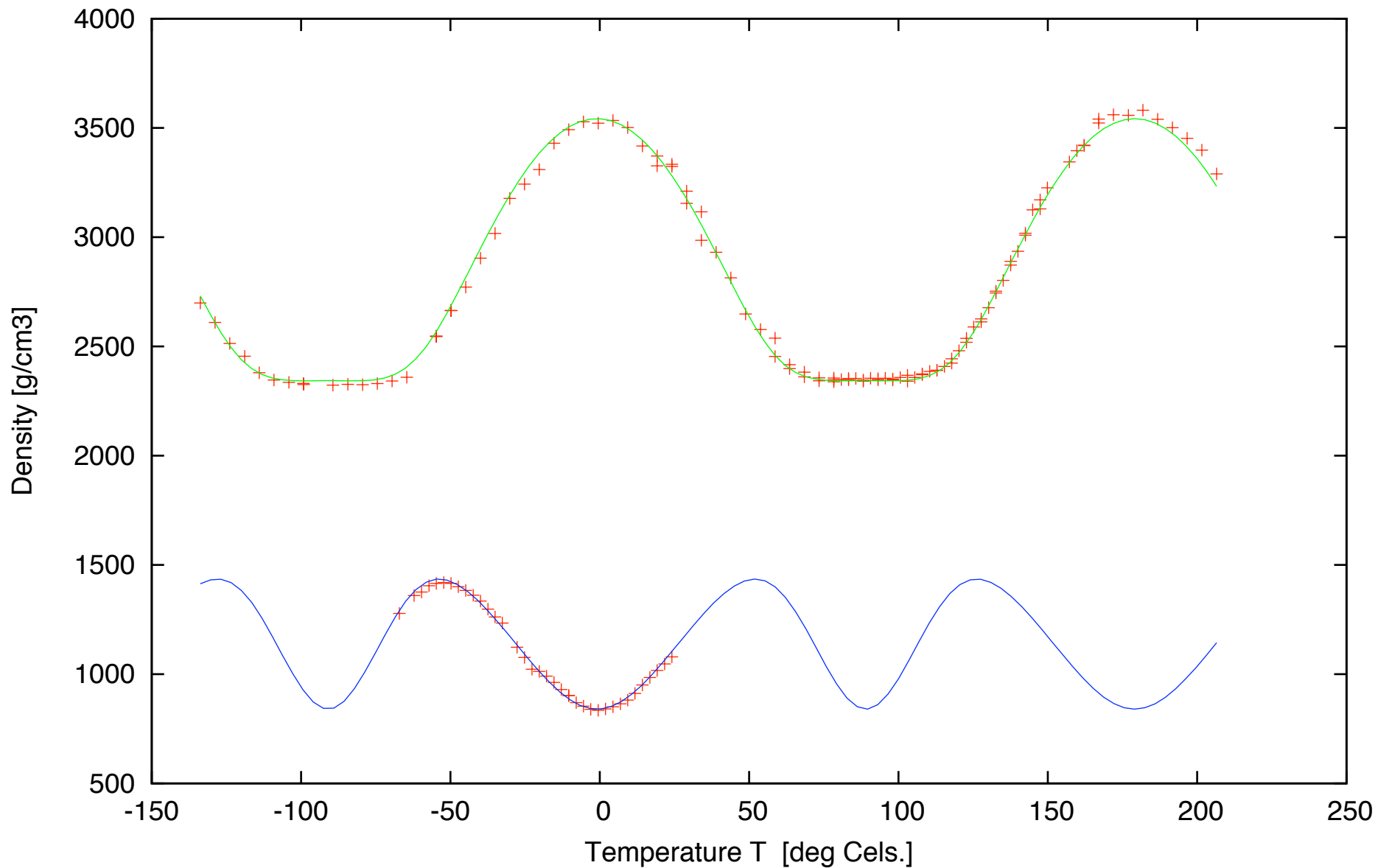


'soundvel.dat' +

vlong(x) —

vtrans(x) —

fitted only every 5th data point

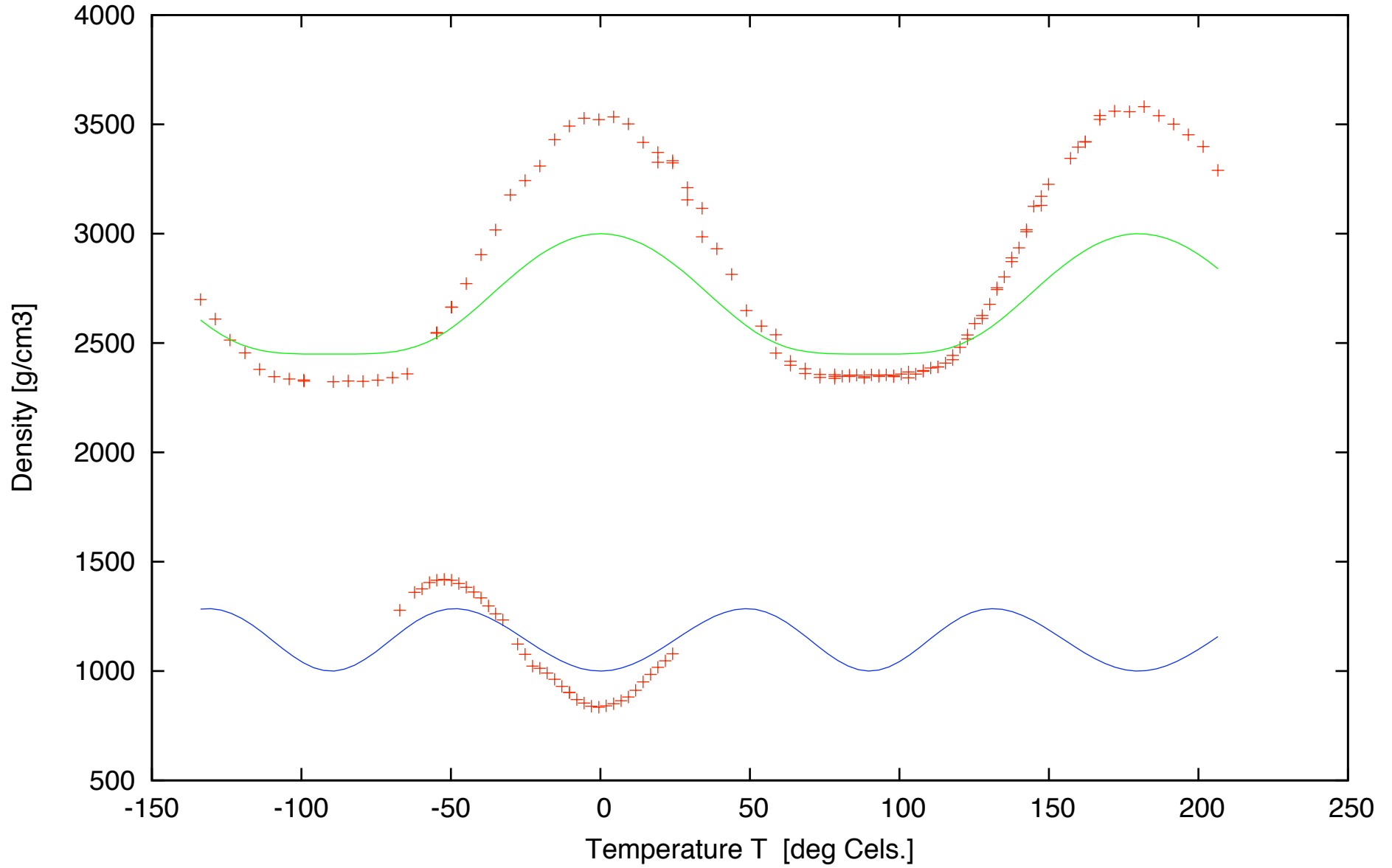


'soundvel.dat' +

vlong(x) —

vtrans(x) —

initial parameters

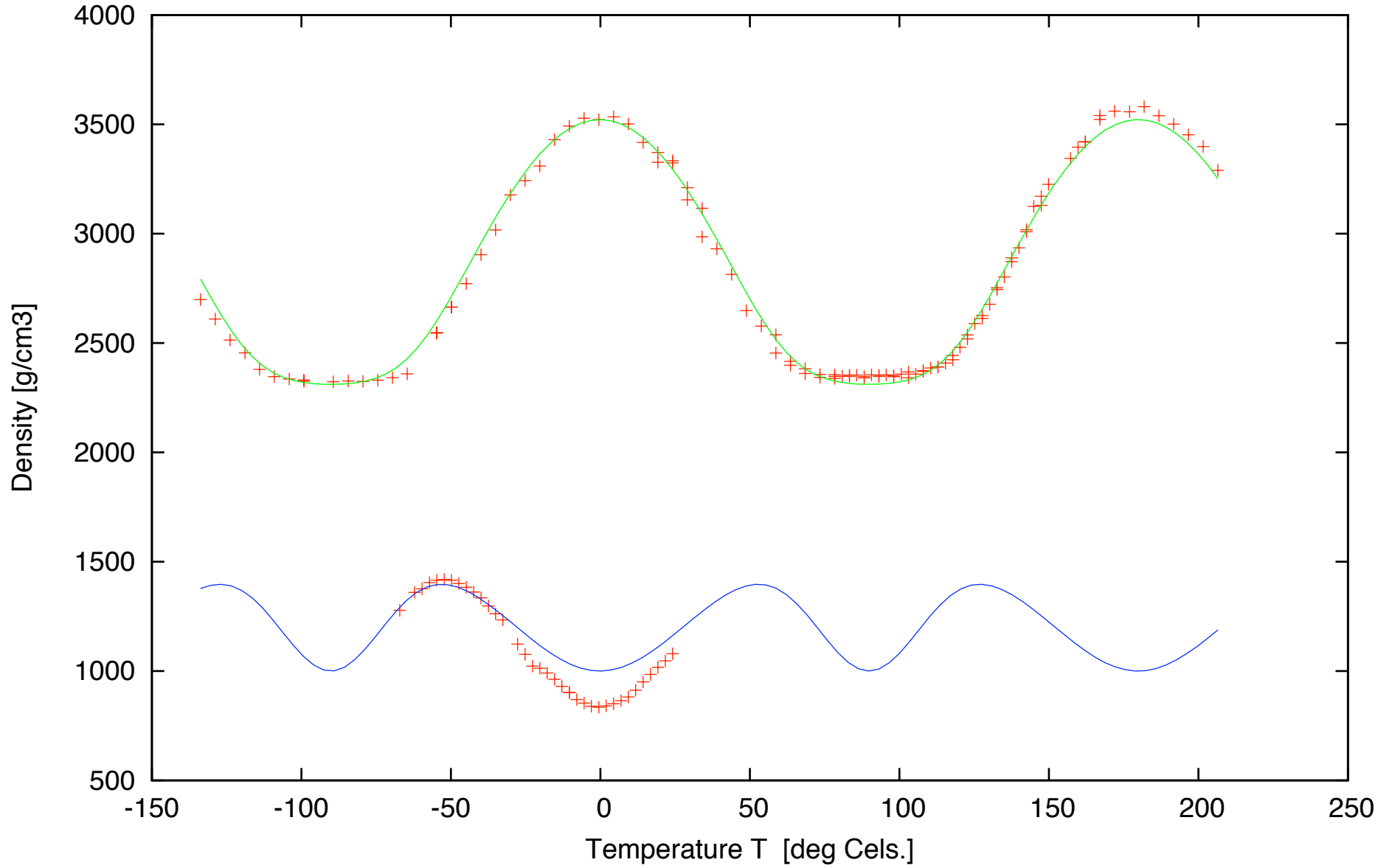


'soundvel.dat' +

vlong(x) —

vtrans(x) —

fit with c44 and c13 fixed

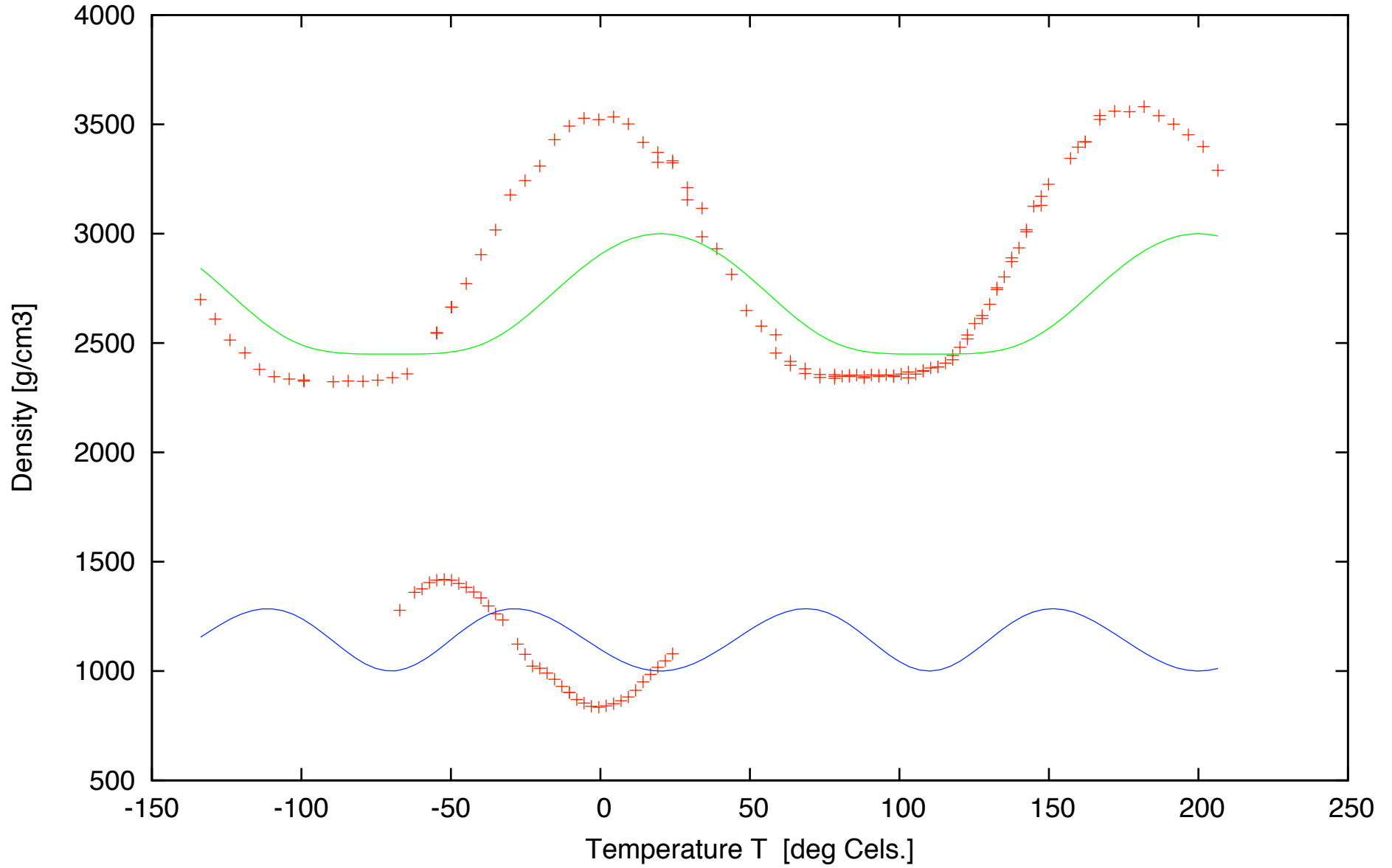


'soundvel.dat' +

vlong(x) —

vtrans(x) —

initial parameters

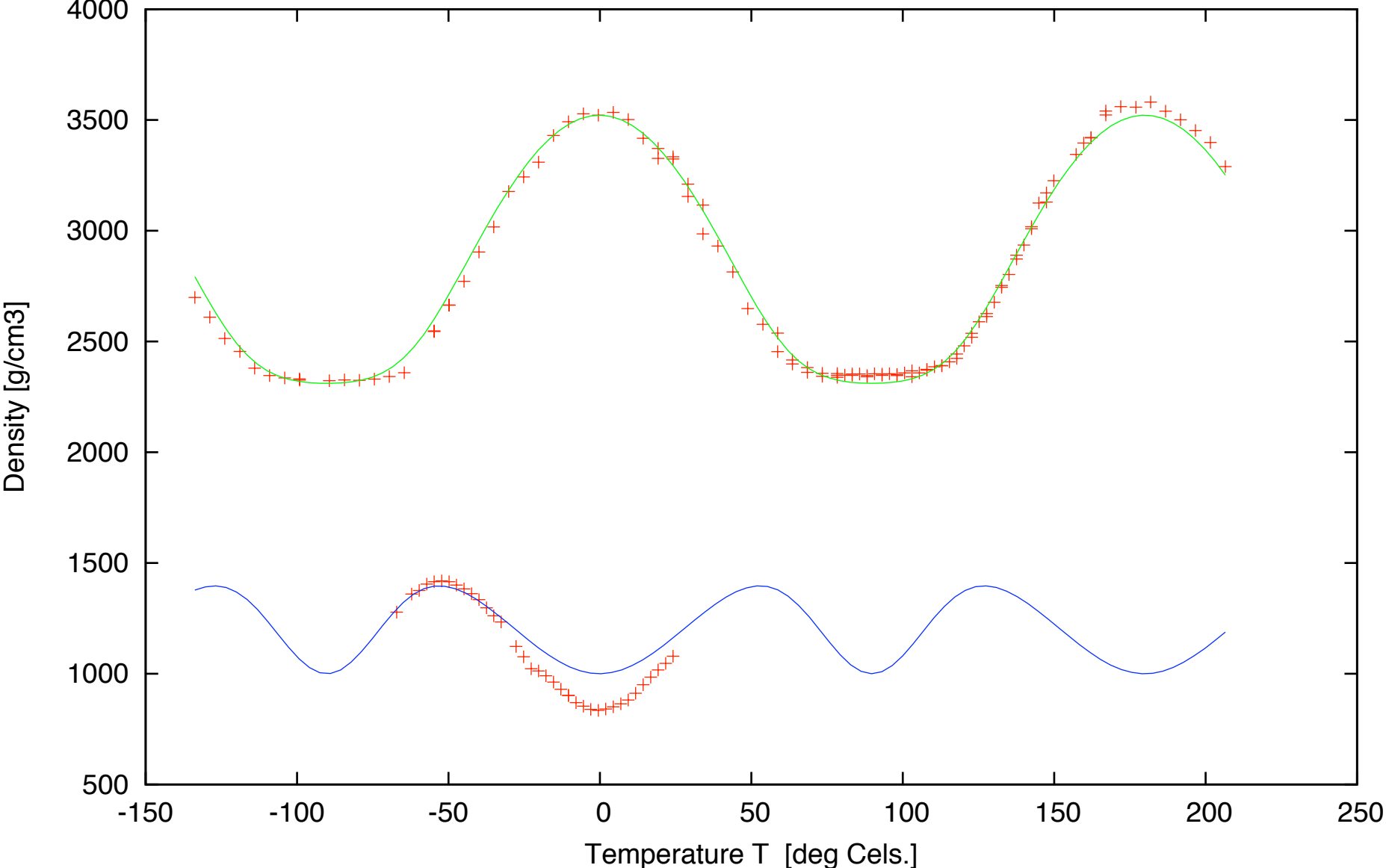


'soundvel.dat' +

vlong(x) —

vtrans(x) —

fit via c33,c11,phi0

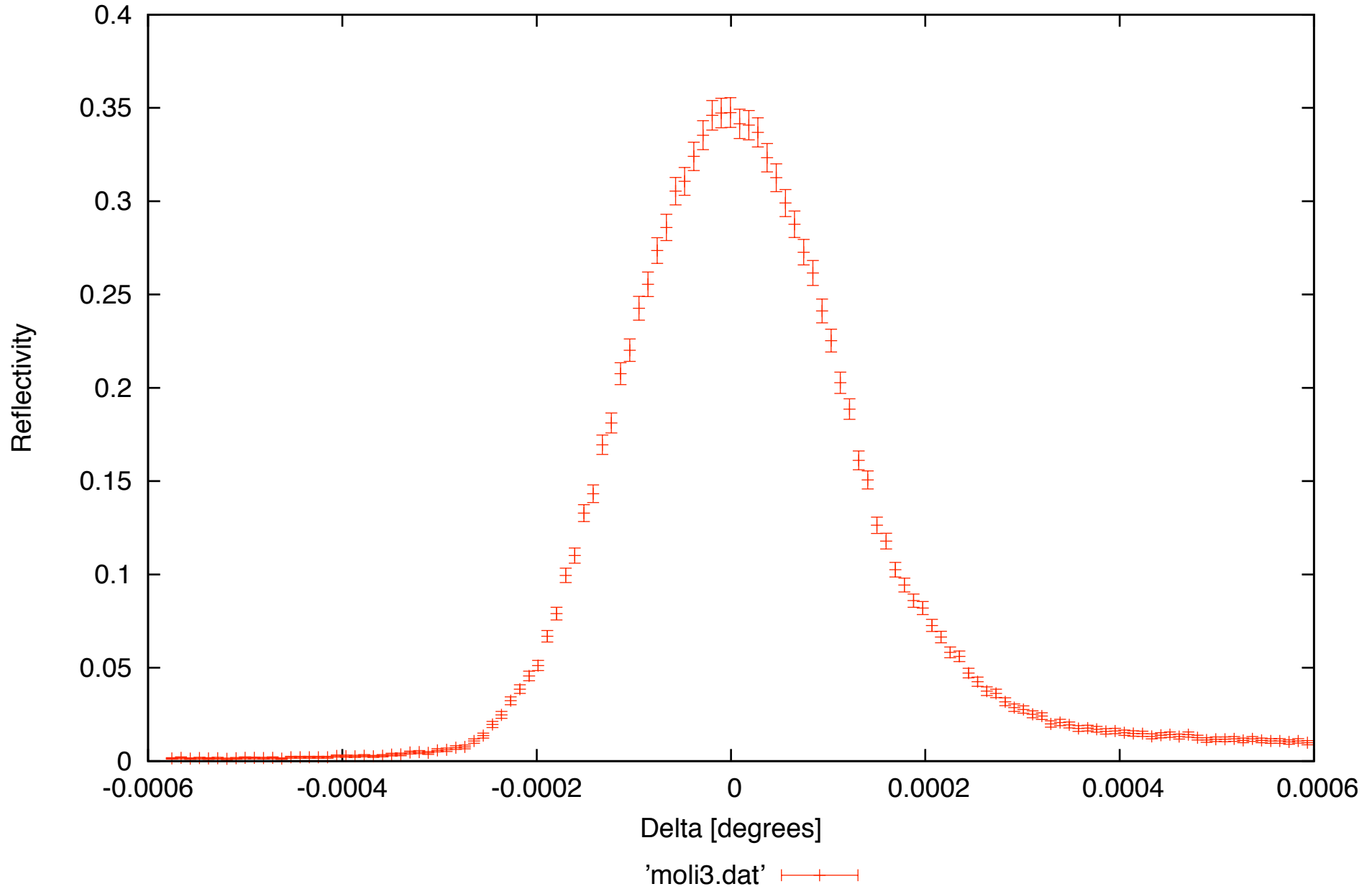


'soundvel.dat' +

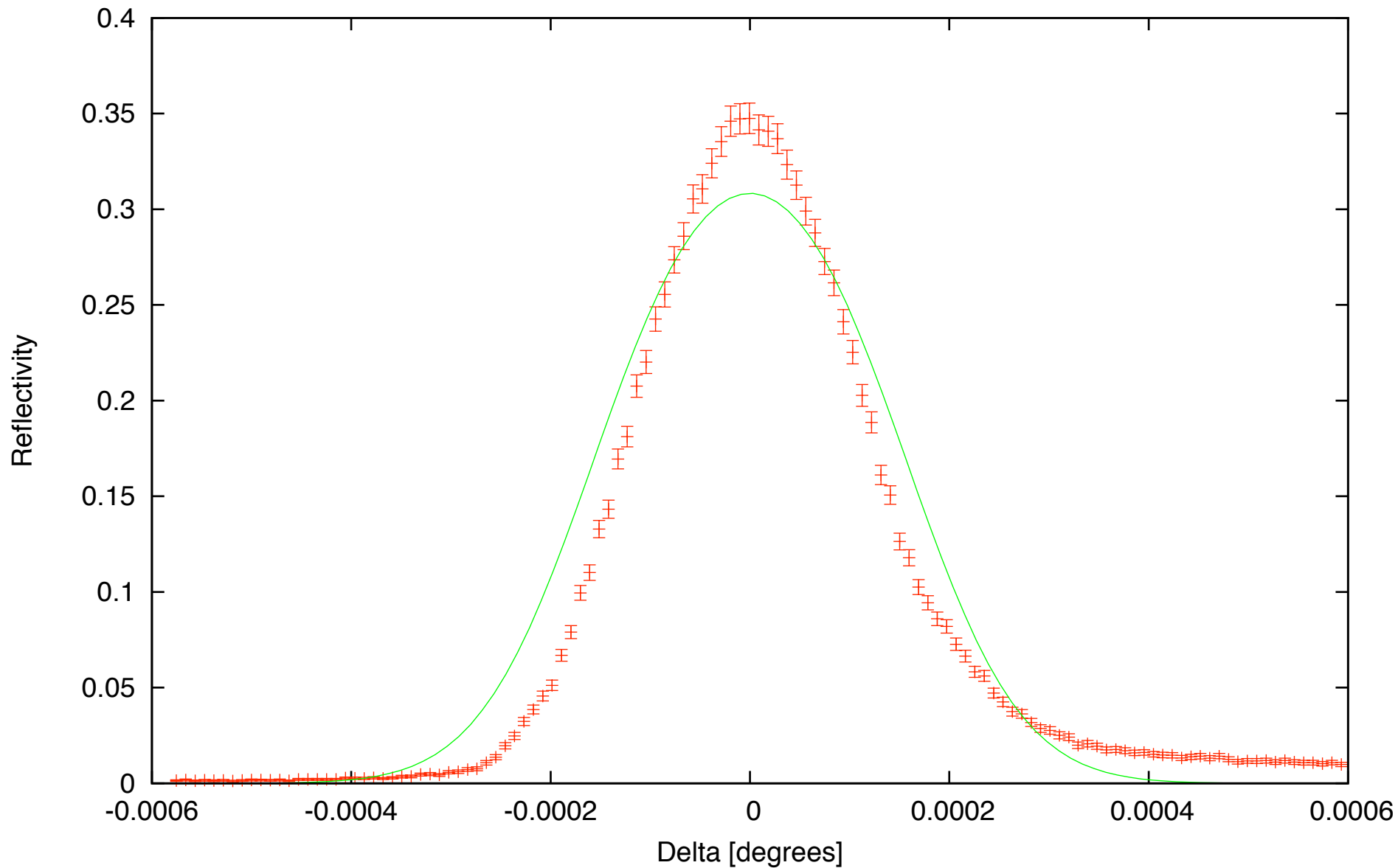
vlong(x) —

vtrans(x) —

raw data



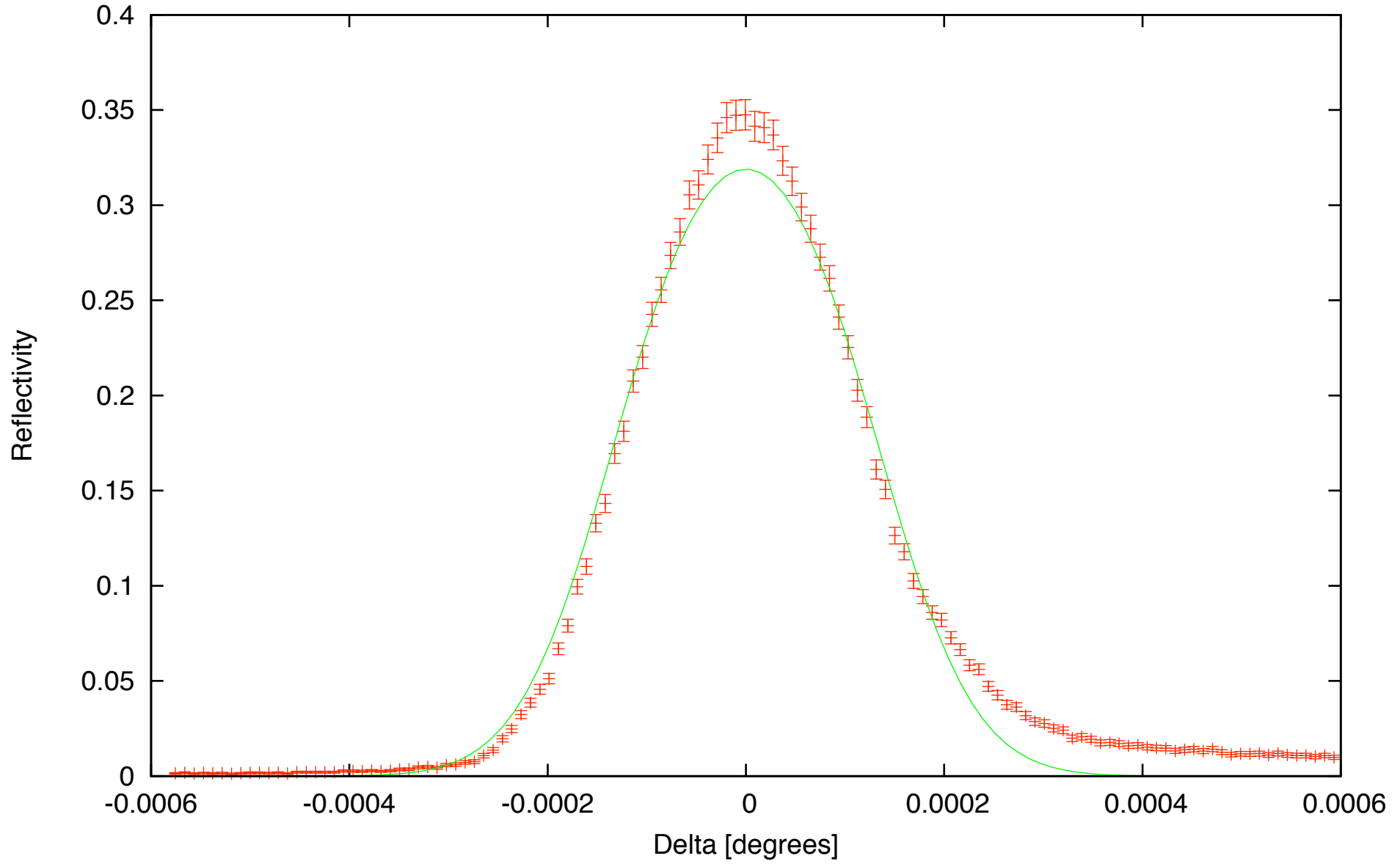
initial parameters




'moli3.dat' 

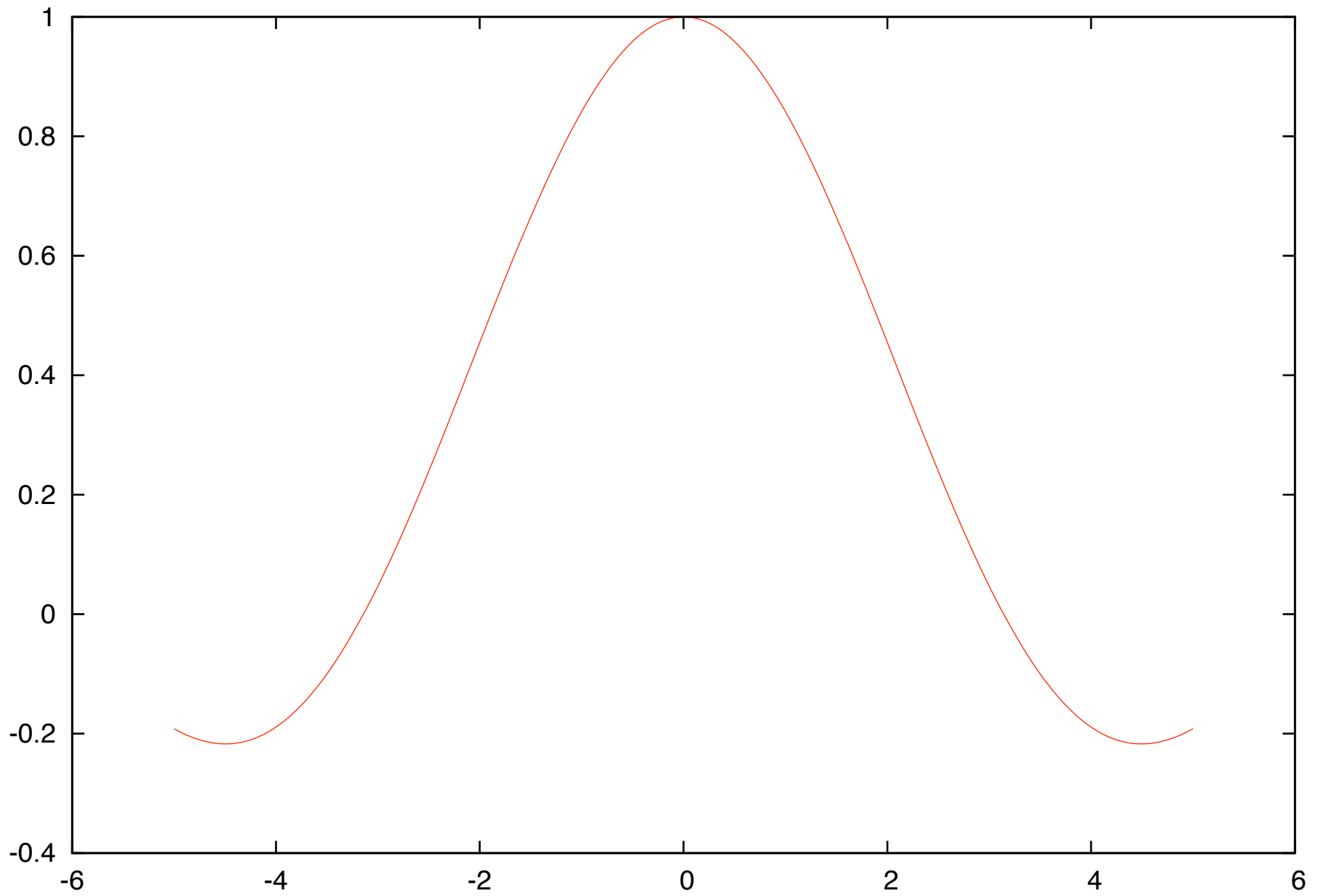
R(x) 

fitted parameters

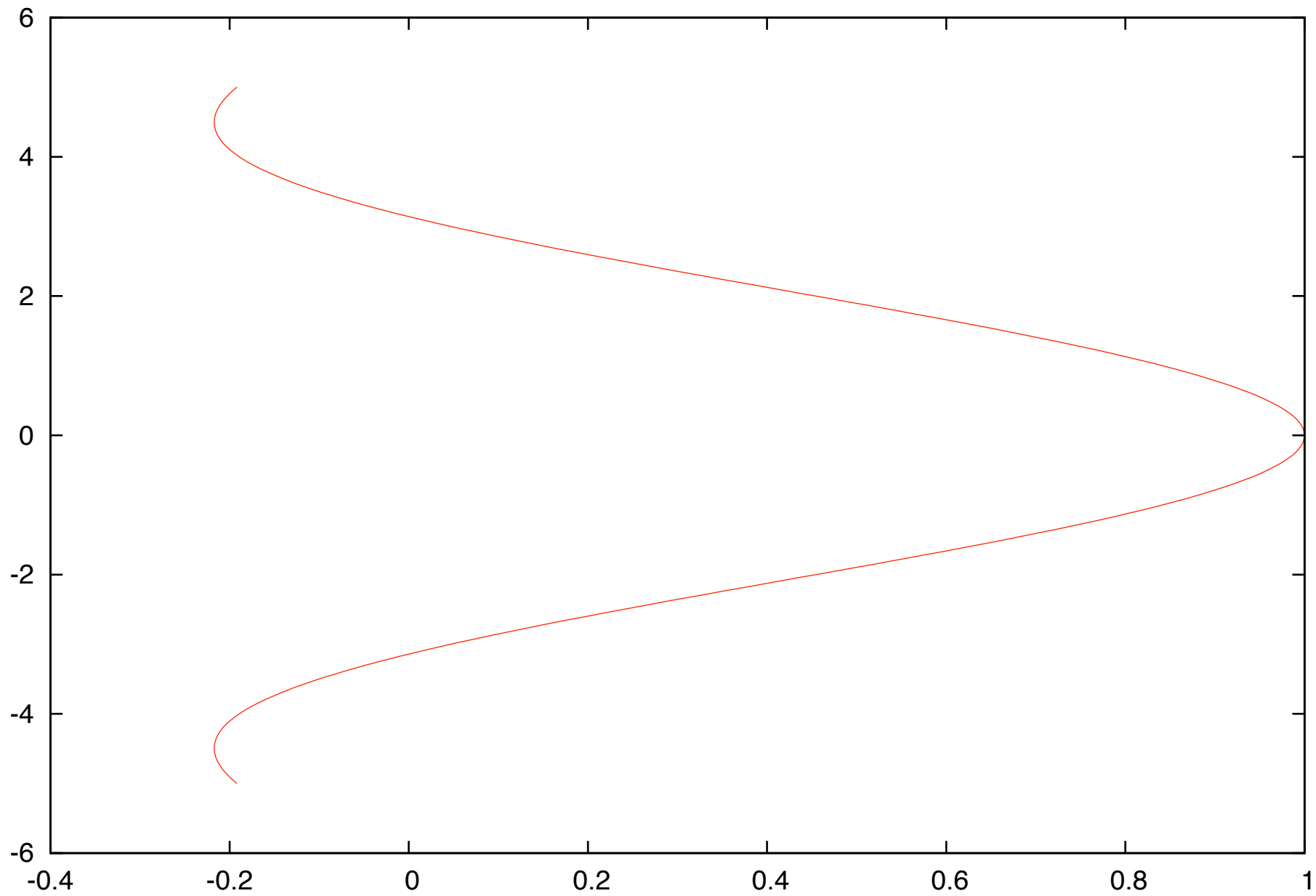


'moli3.dat' 

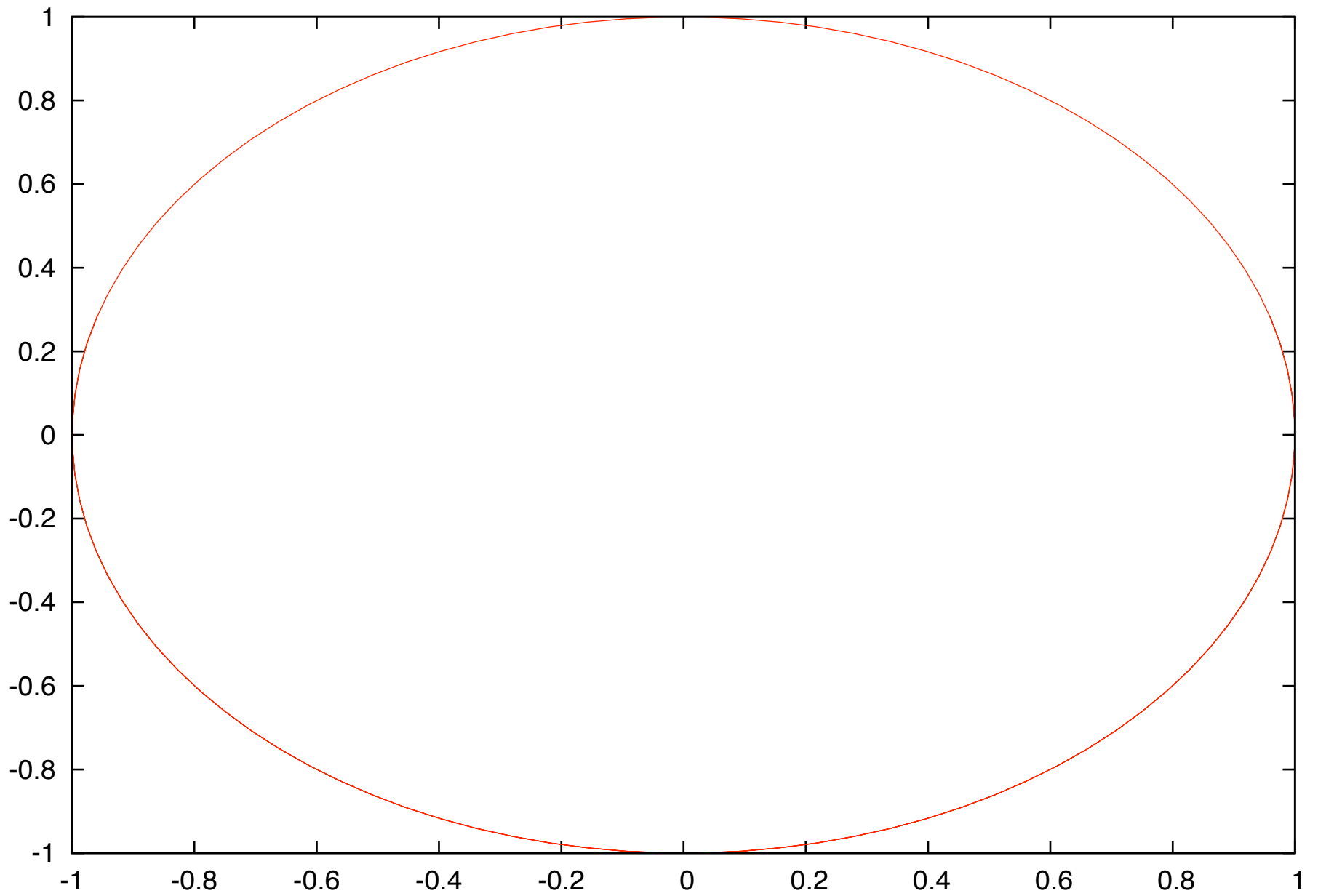
R(x) 



t, sin(t)/t or sin(x)/x

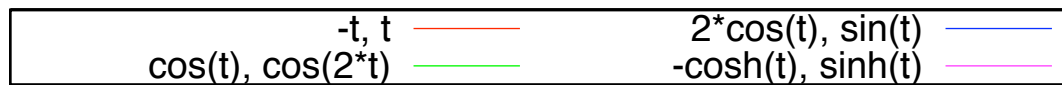
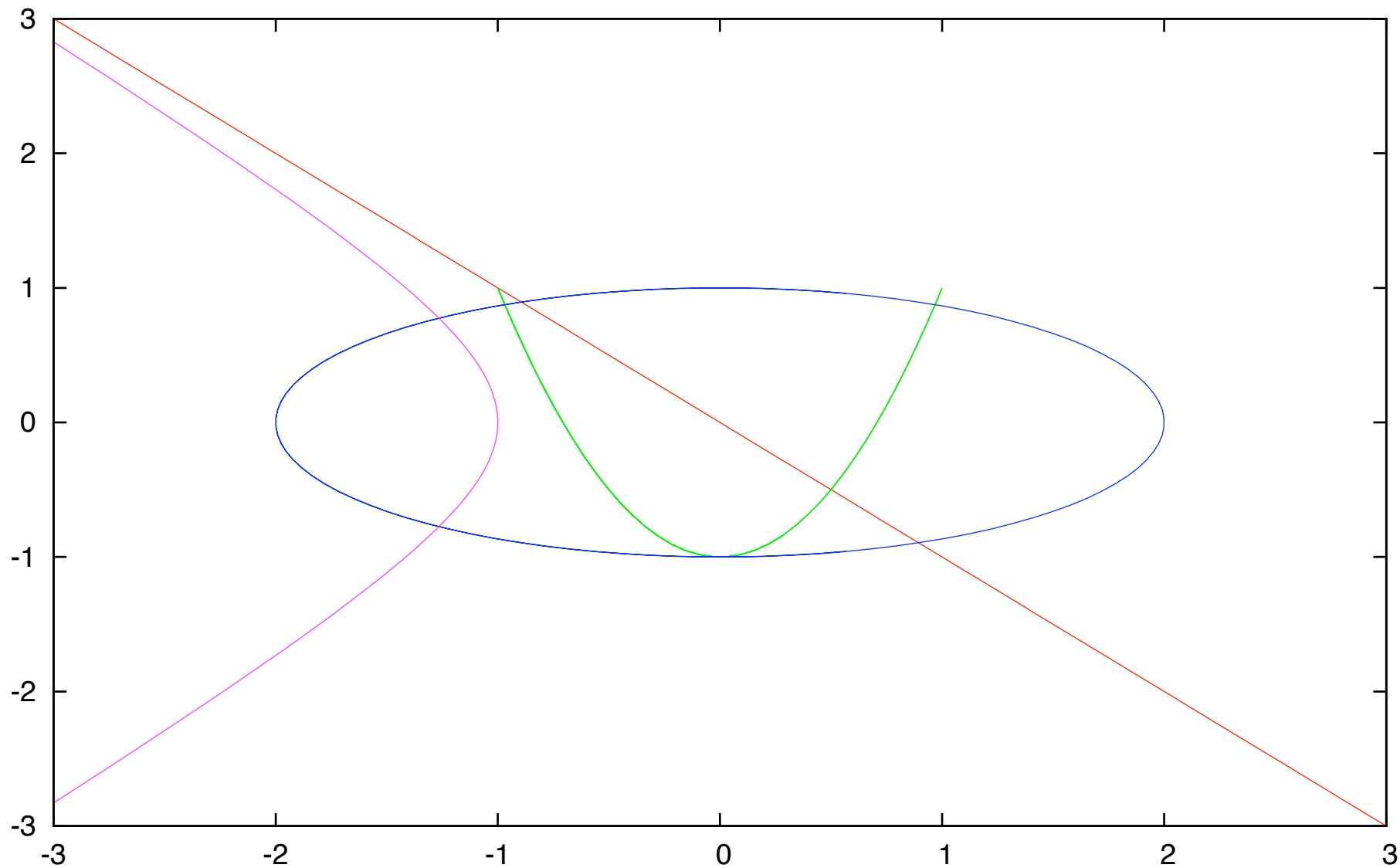


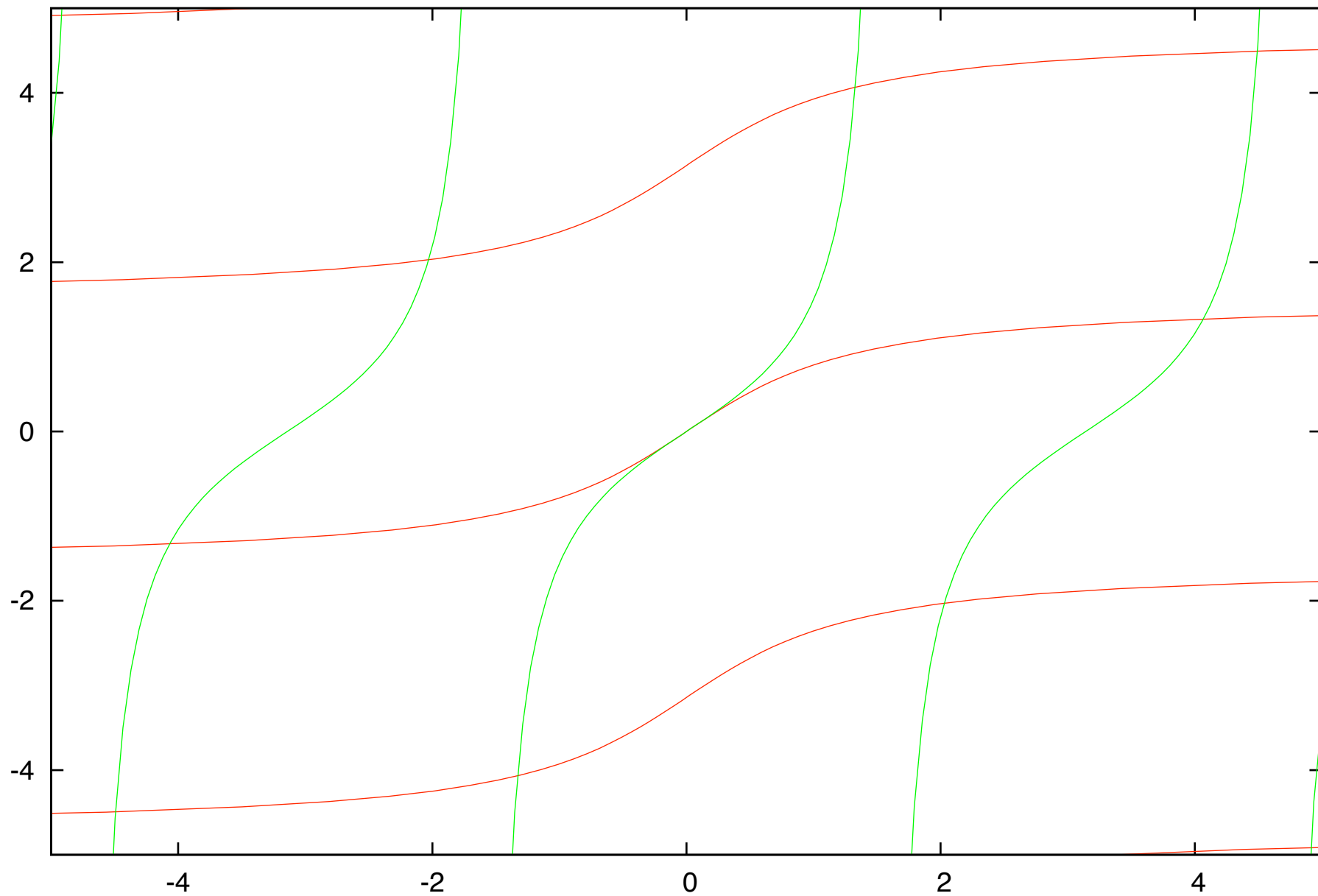
sin(t)/t, t



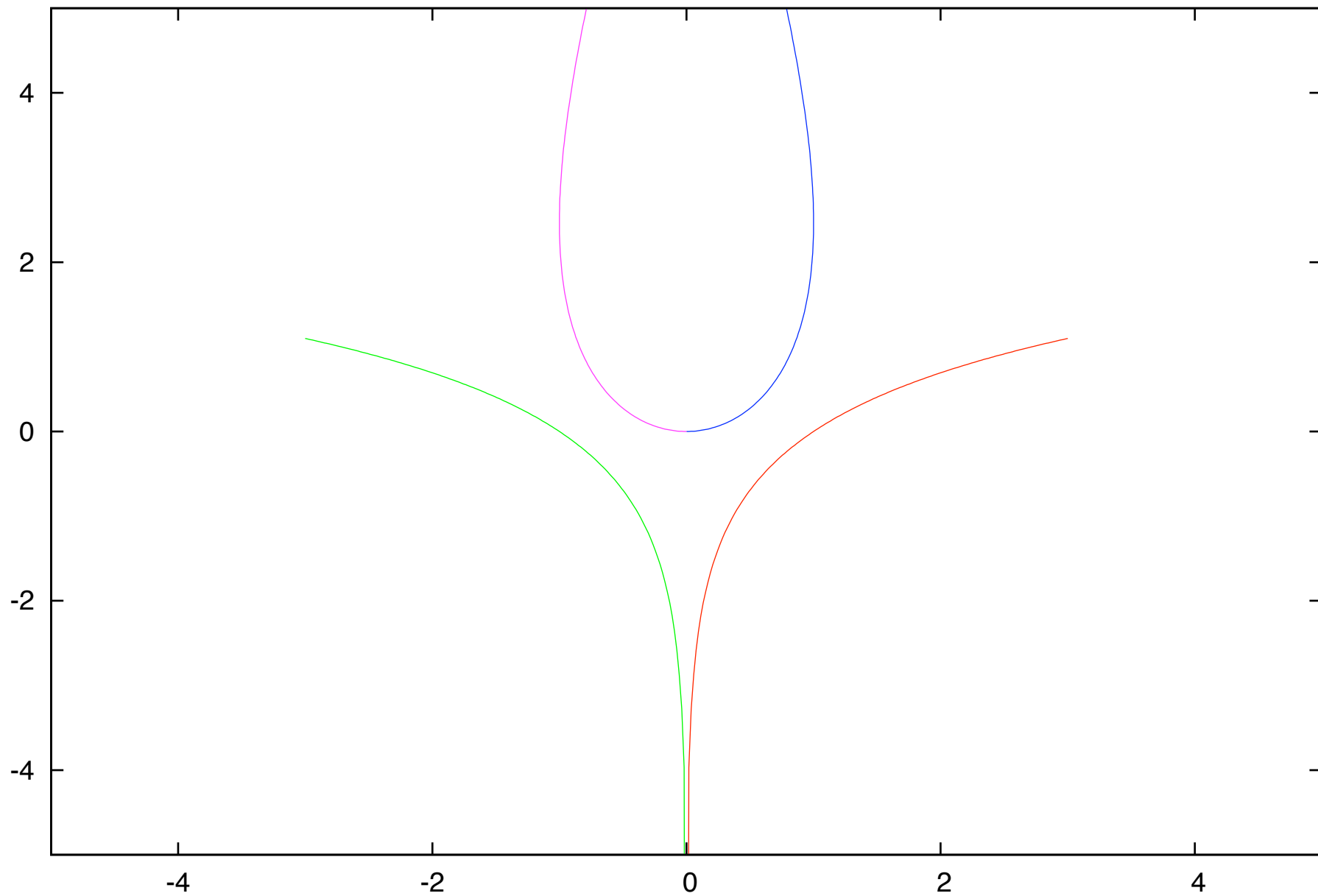
sin(t), cos(t)

Parametric Conic Sections

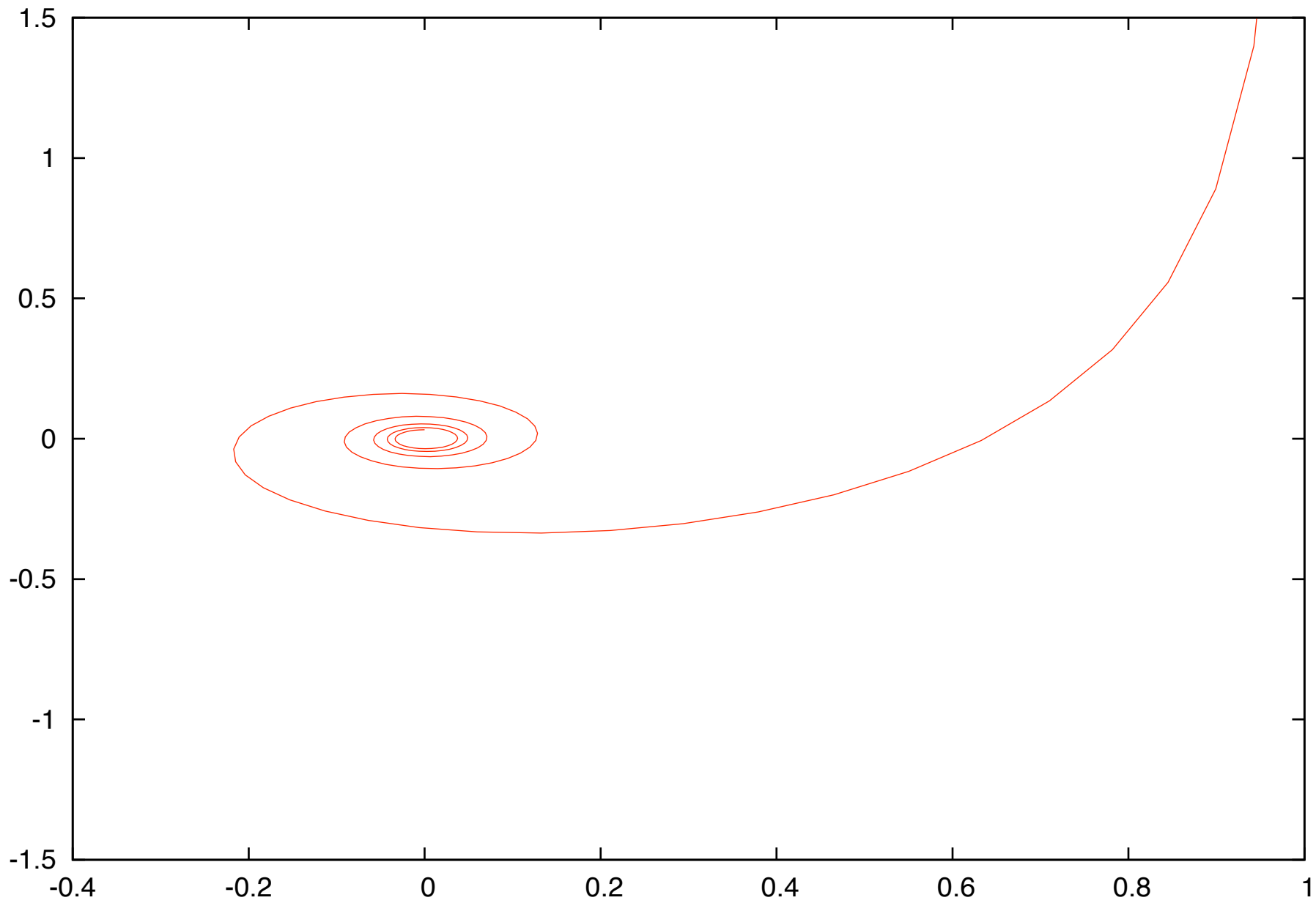




$\tan(t), t$ $t, \tan(t)$

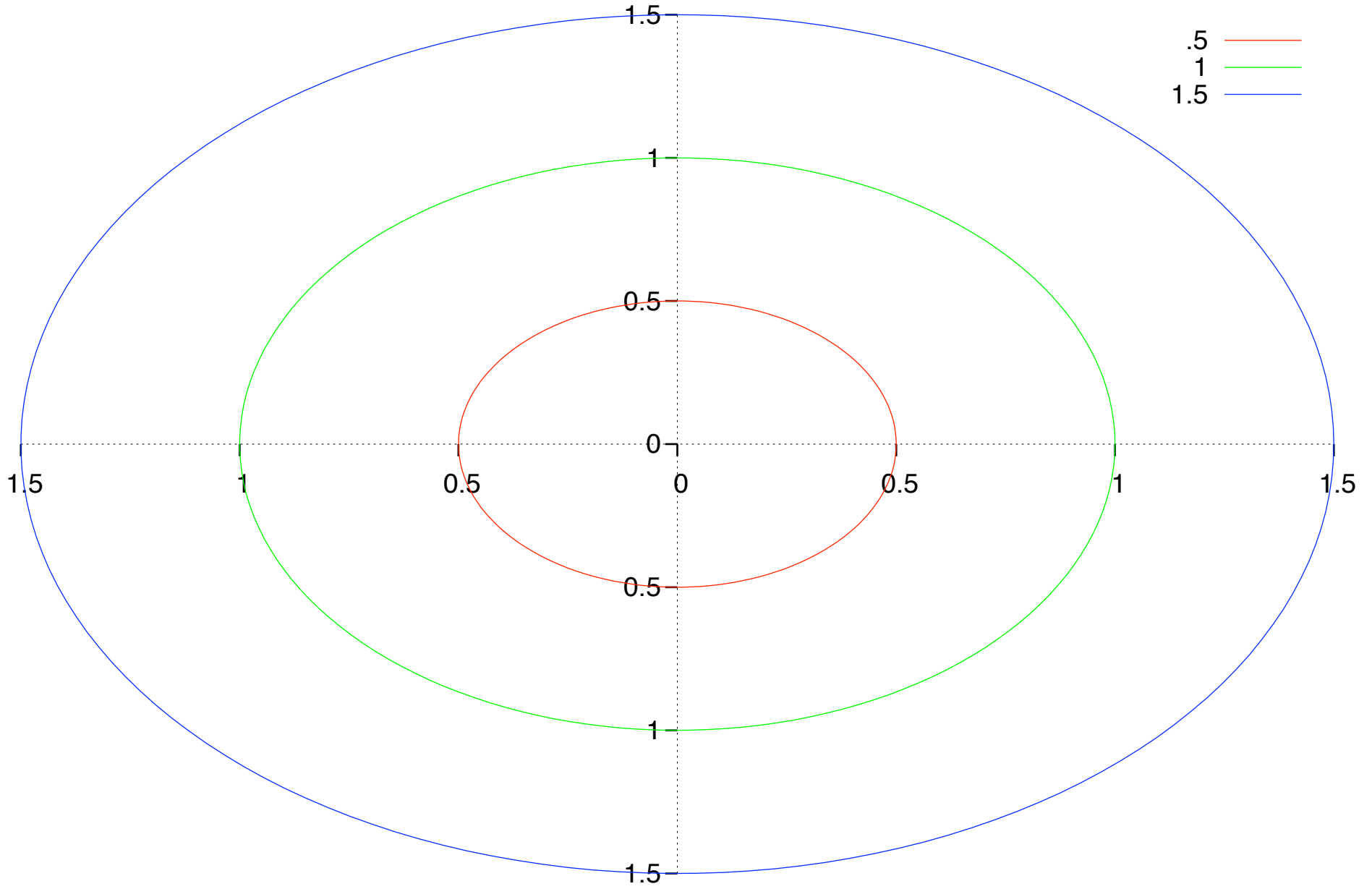


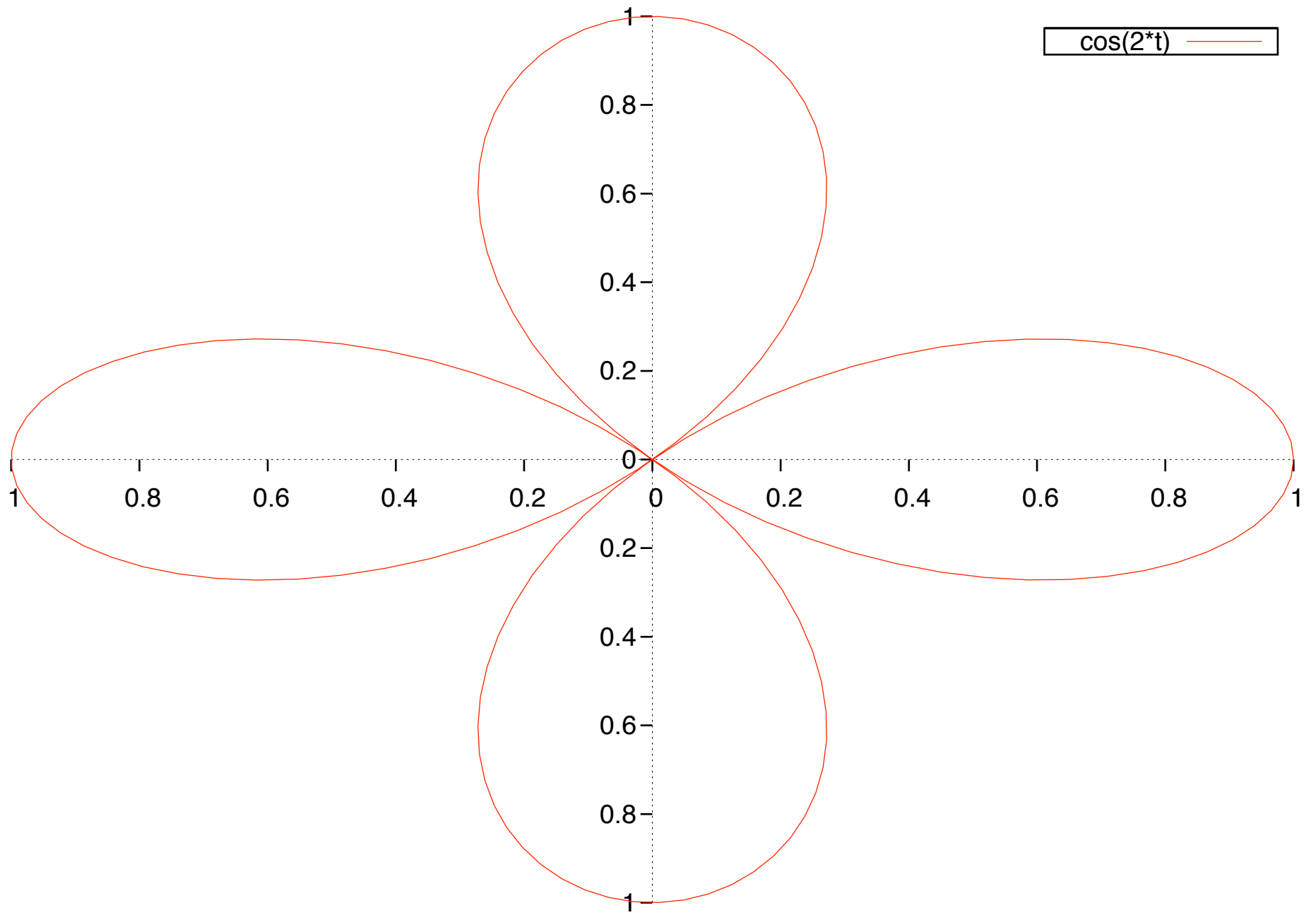
$t, \log(t)$ — $-t, \log(t)$ — $\sin(t), t^2$ — $-\sin(t), t^2$ —

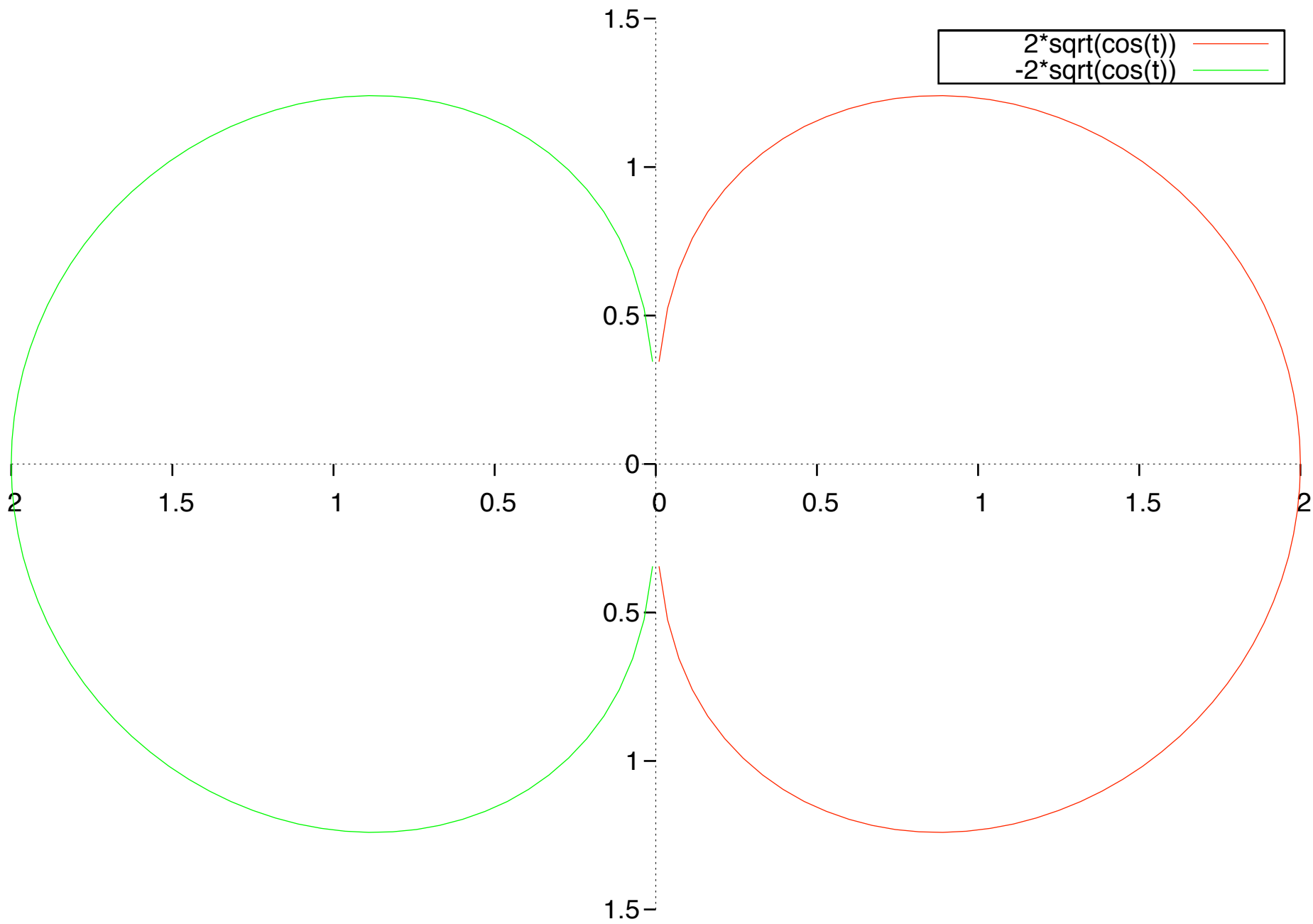


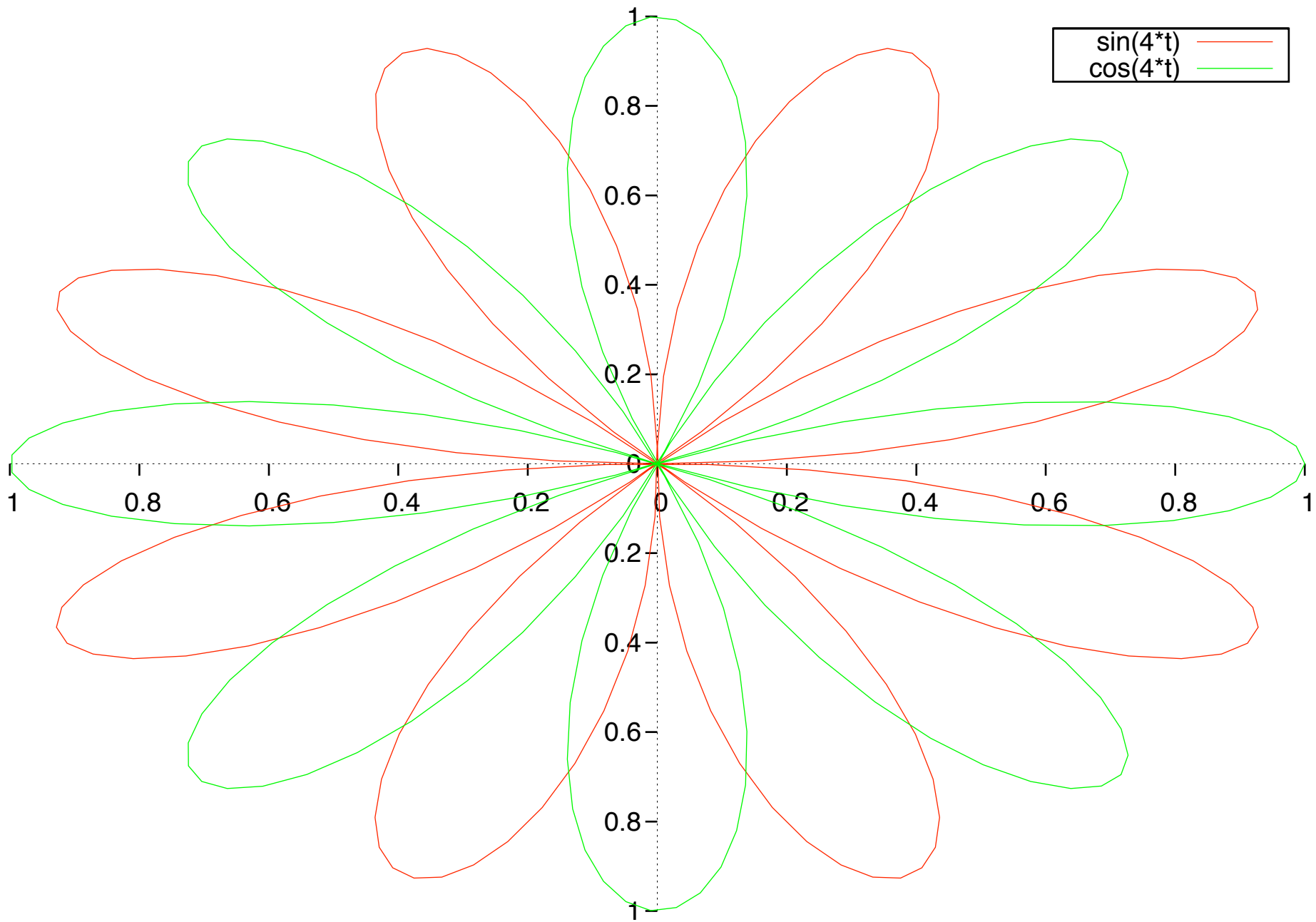
$\sin(t)/t, \cos(t)/t$

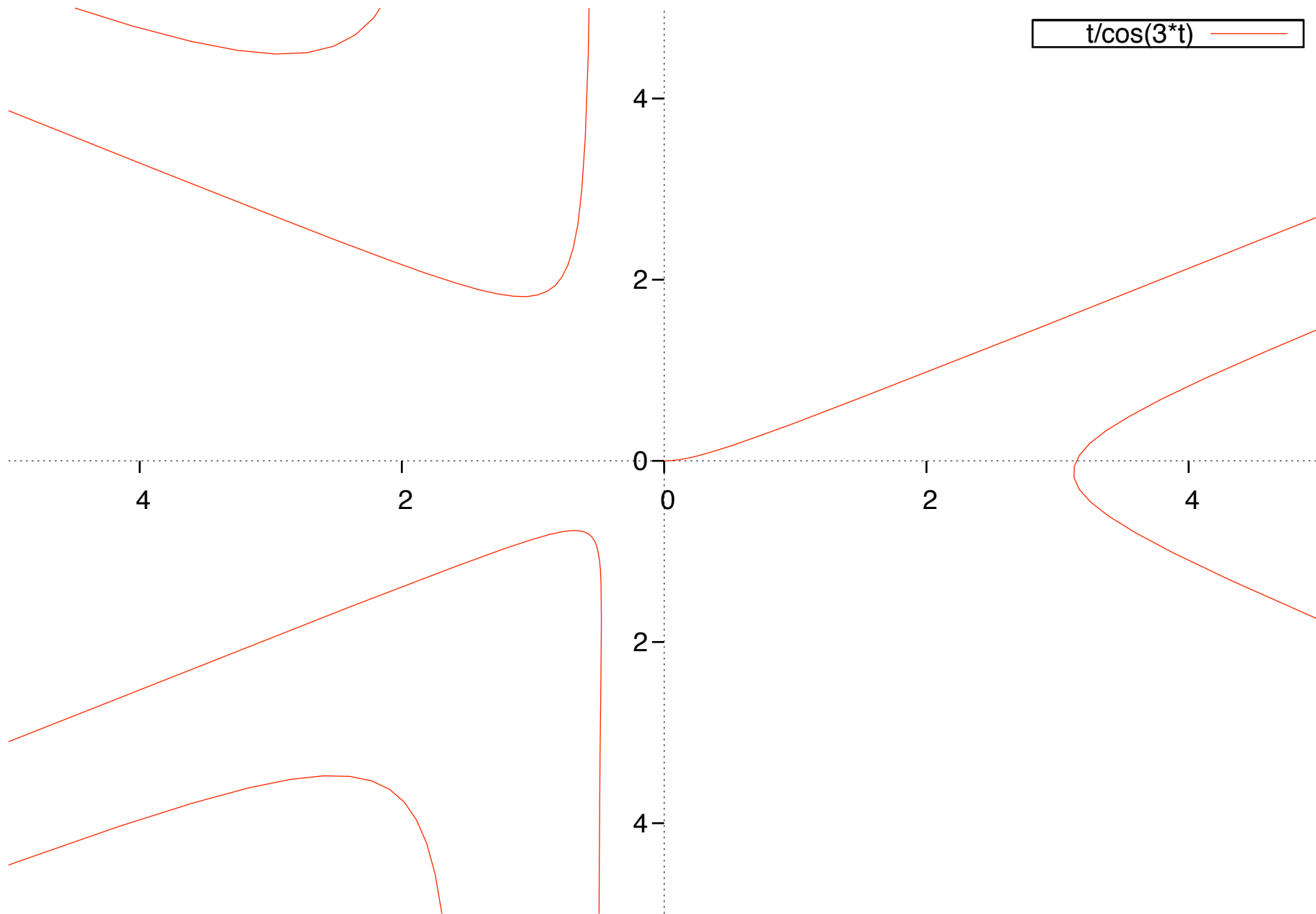
Three circles (with aspect ratio distortion)

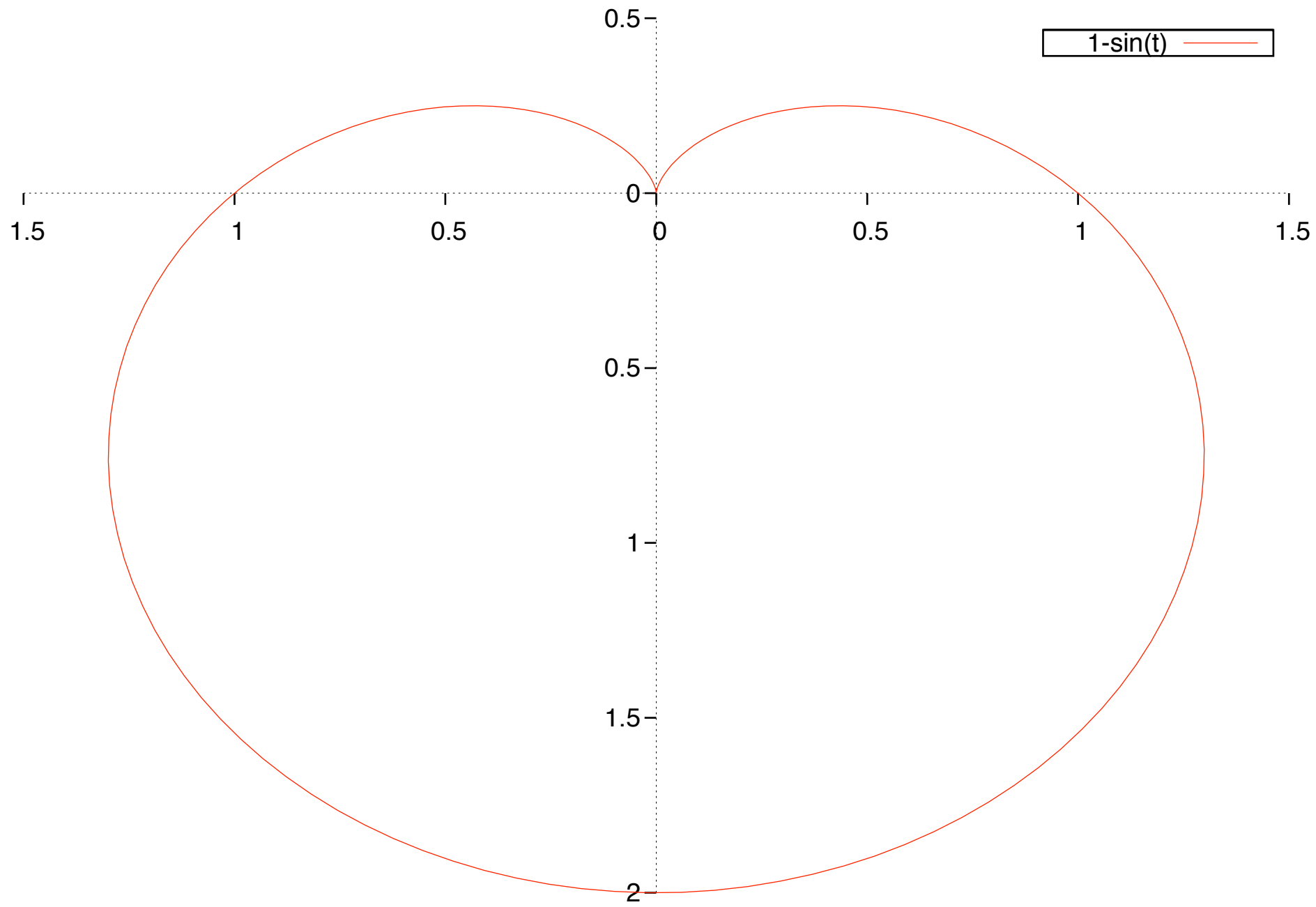


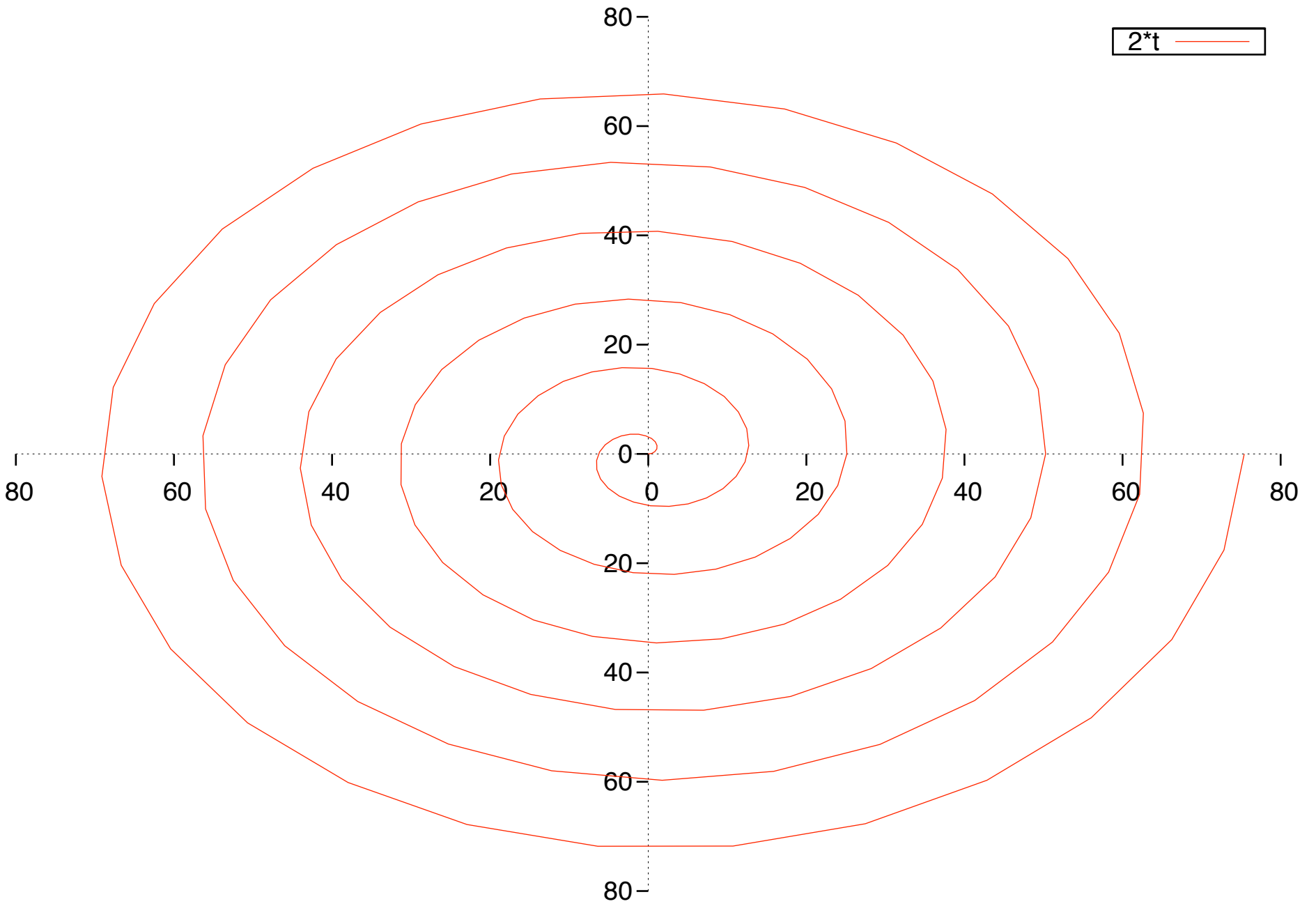




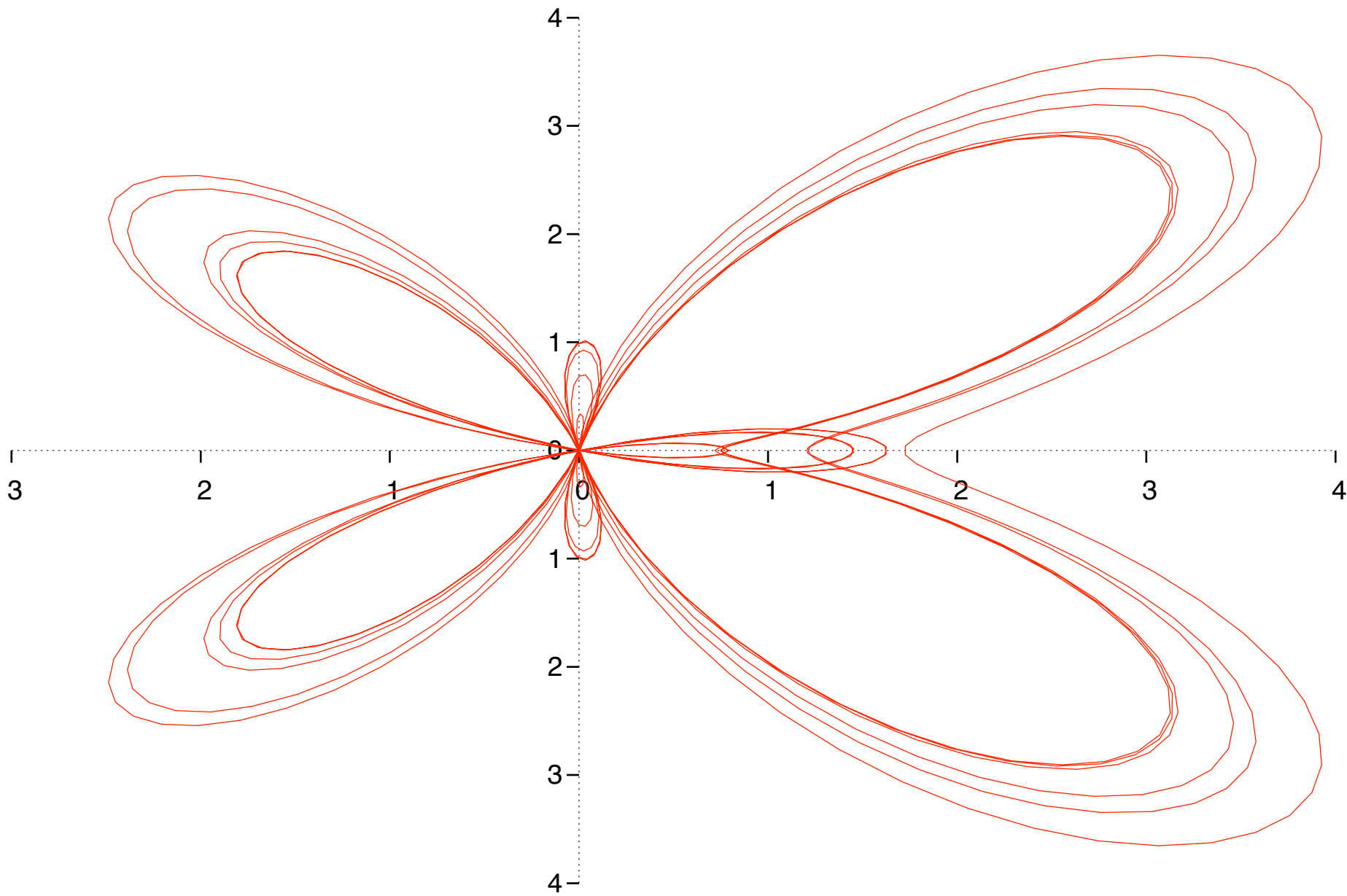




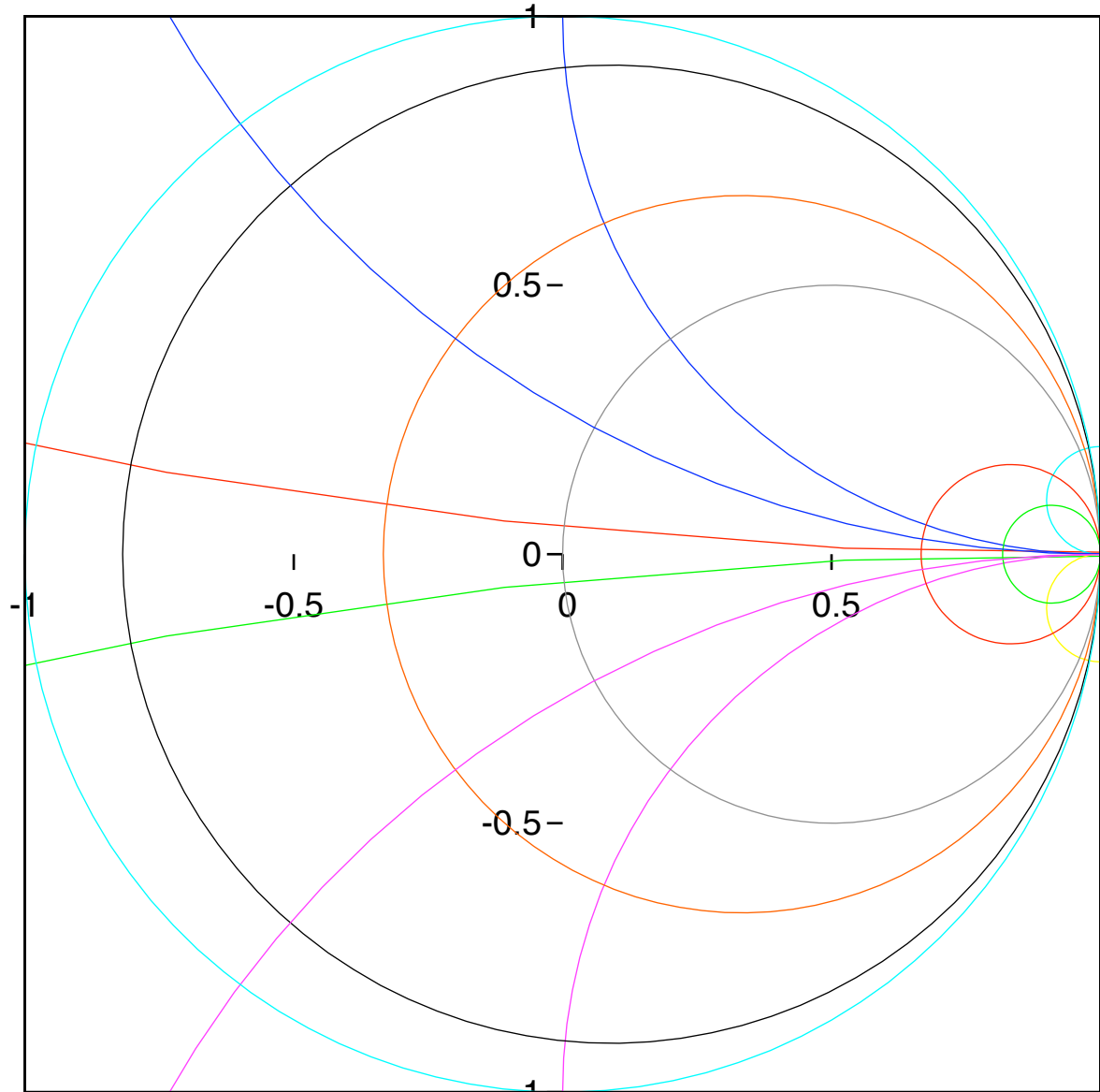




Butterfly



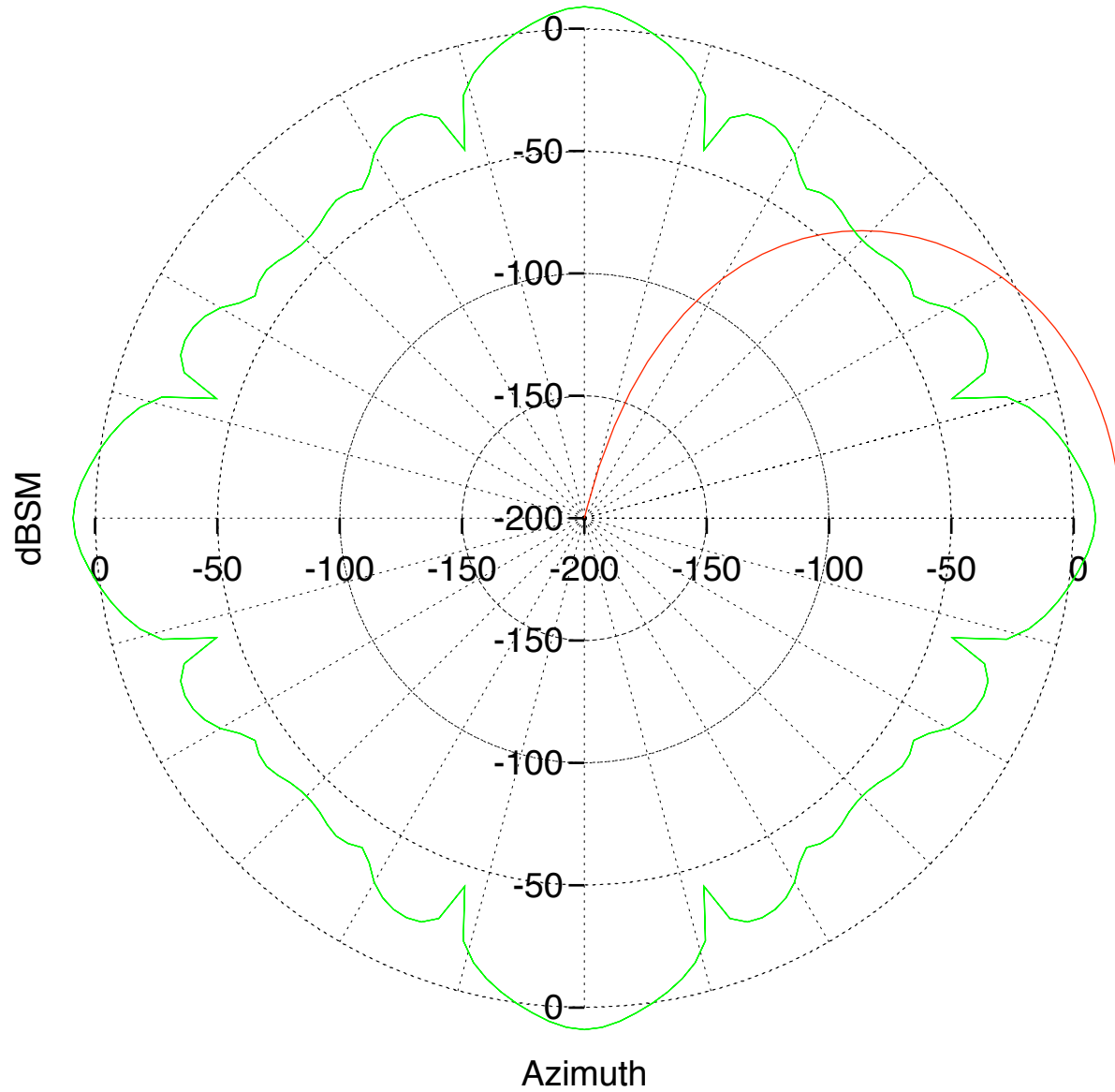
Primitive Smith Chart



Impedance or Admittance Coordinates

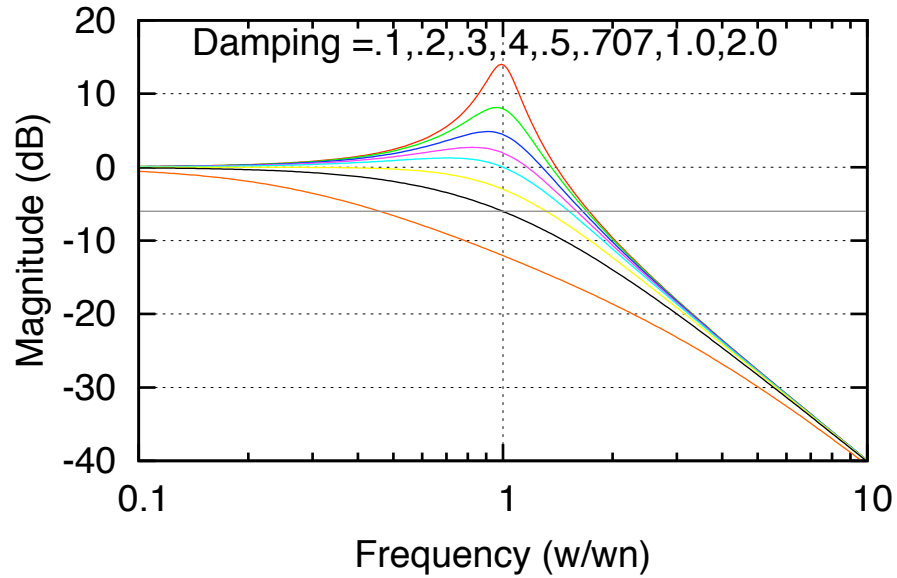
Wed Feb 04 12:18:46 2009

Antenna Pattern

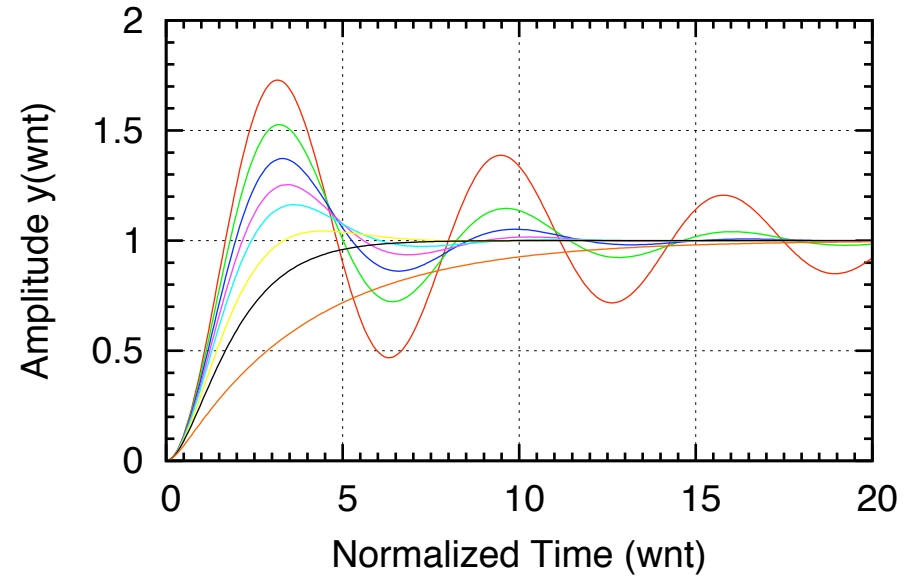


Wed Feb 04 12:18:46 2009

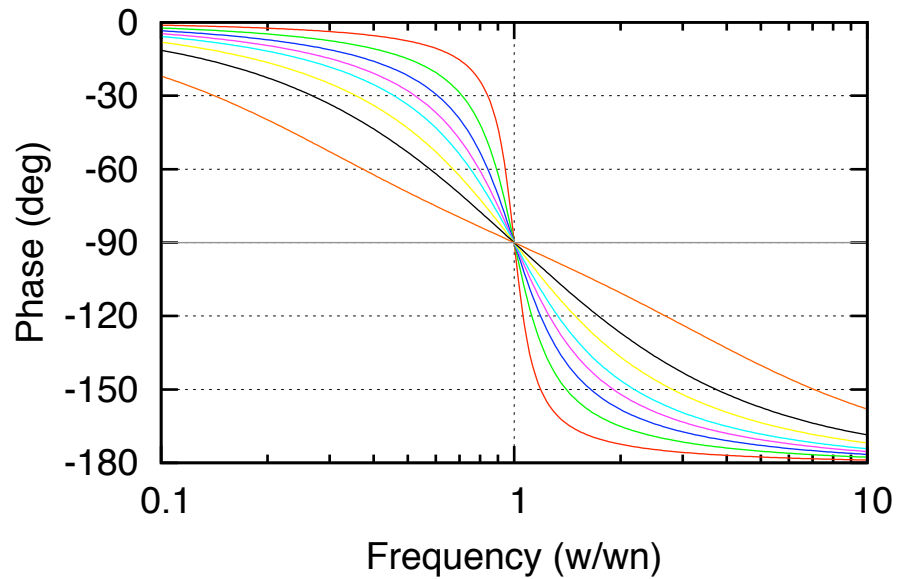
Second Order System Transfer Function - Magnitude



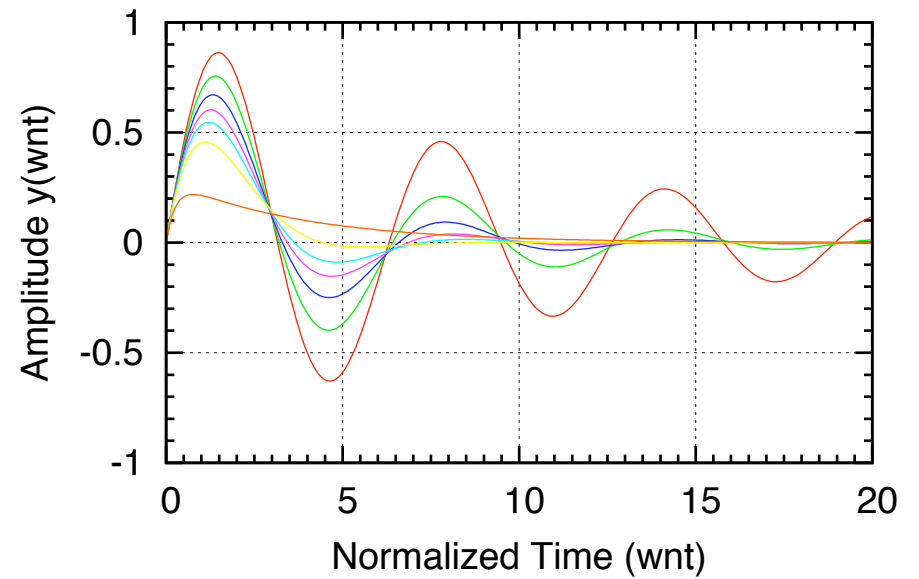
Second Order System - Unit Step Response



Second Order System Transfer Function - Phase

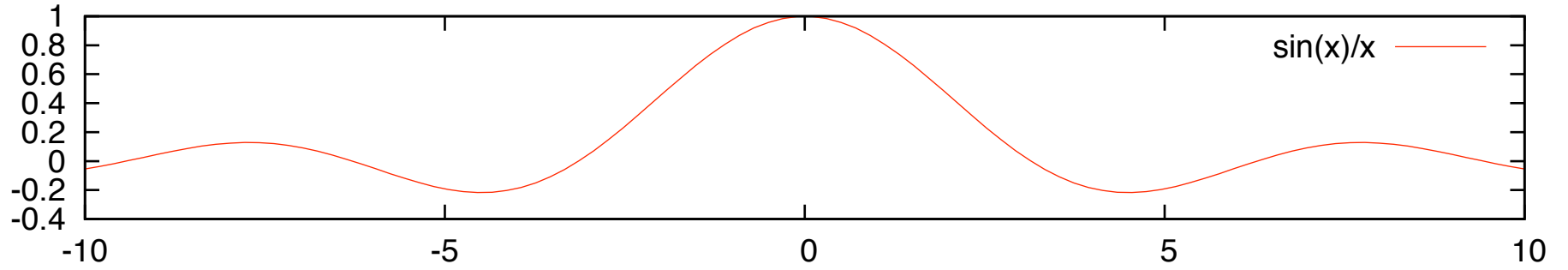


Second Order System - Unit Impulse Response

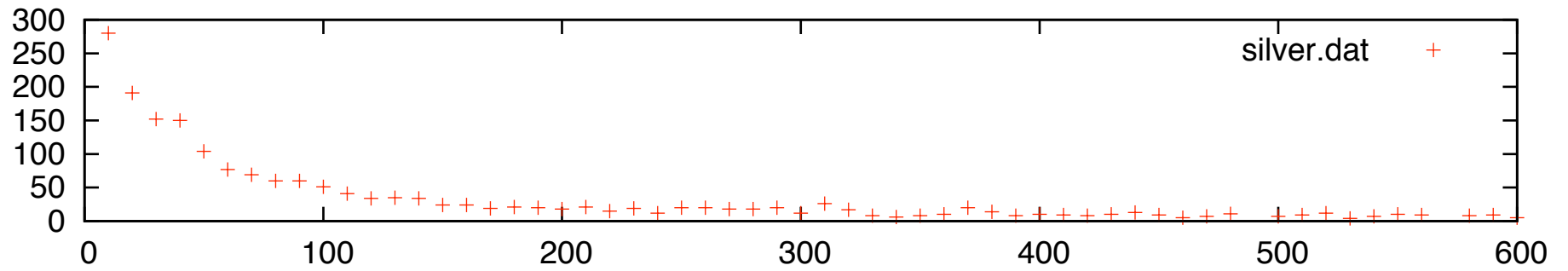


Multiplot layout 3, 1

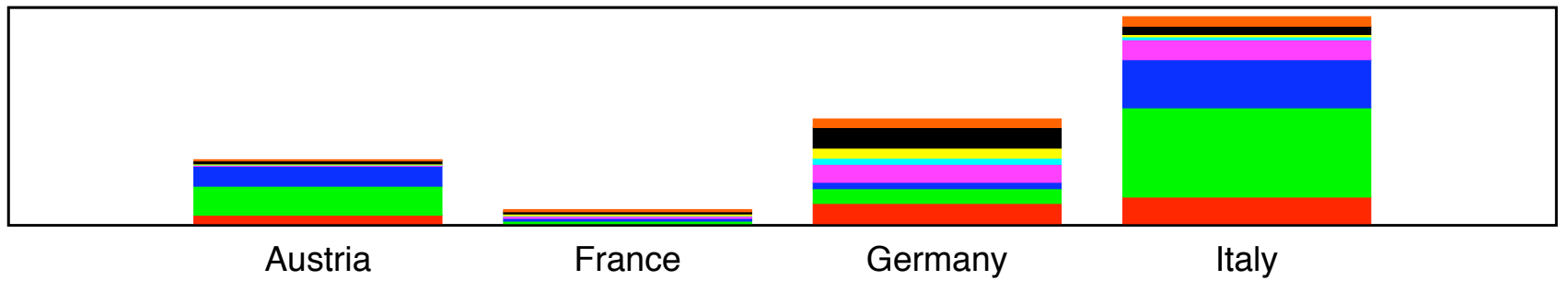
Plot 1



Plot 2

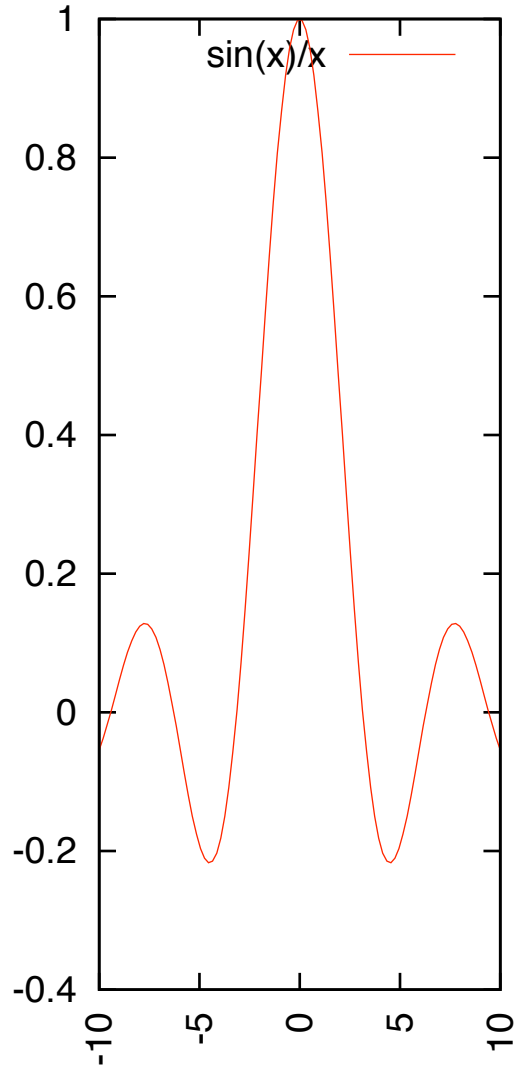


Plot 3

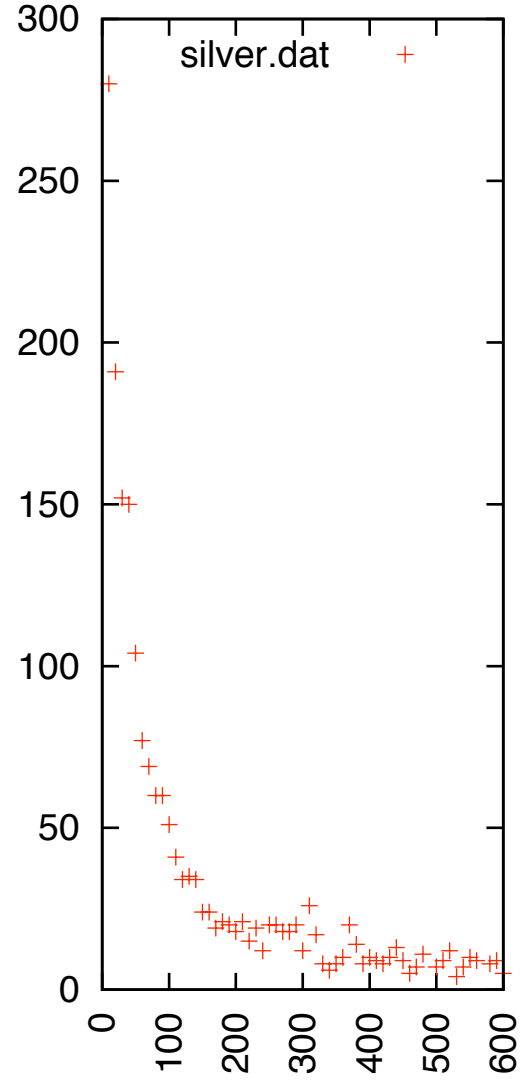


Multiplot layout 1, 3

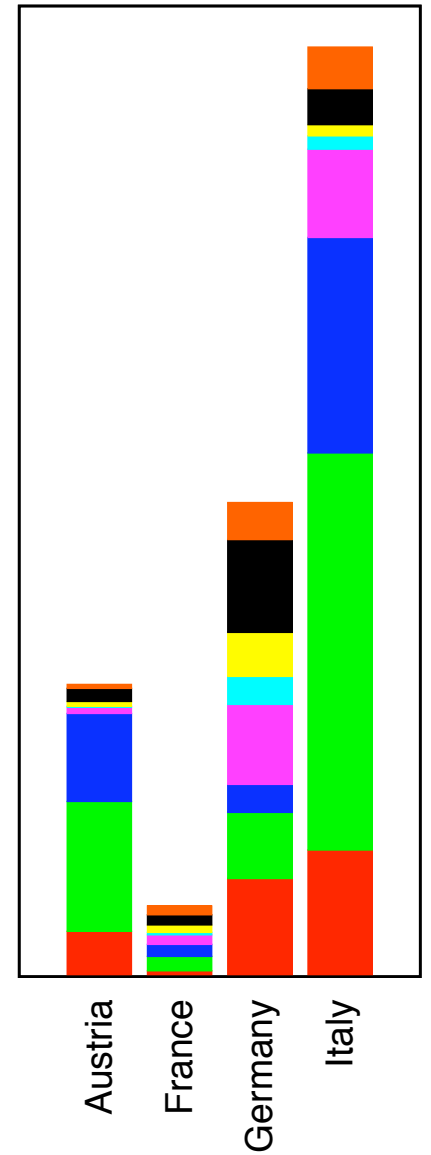
Plot 1



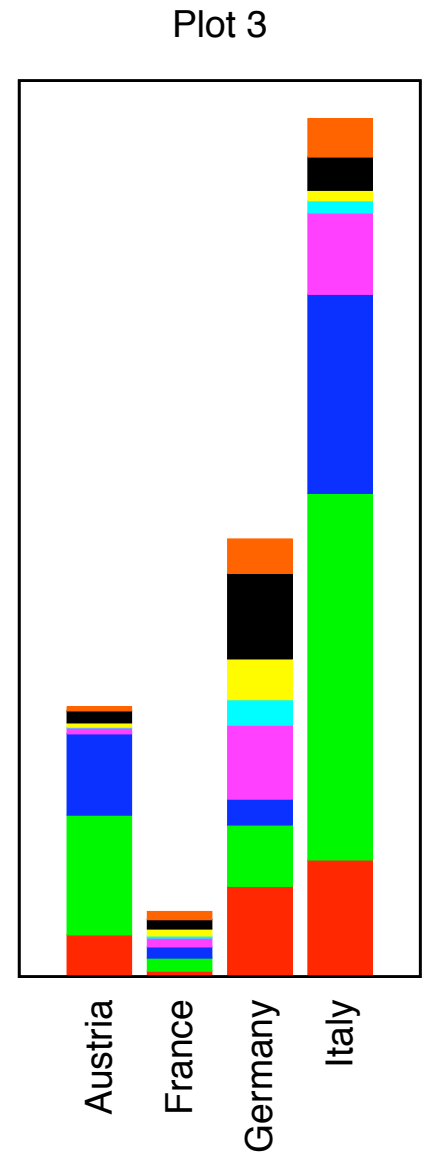
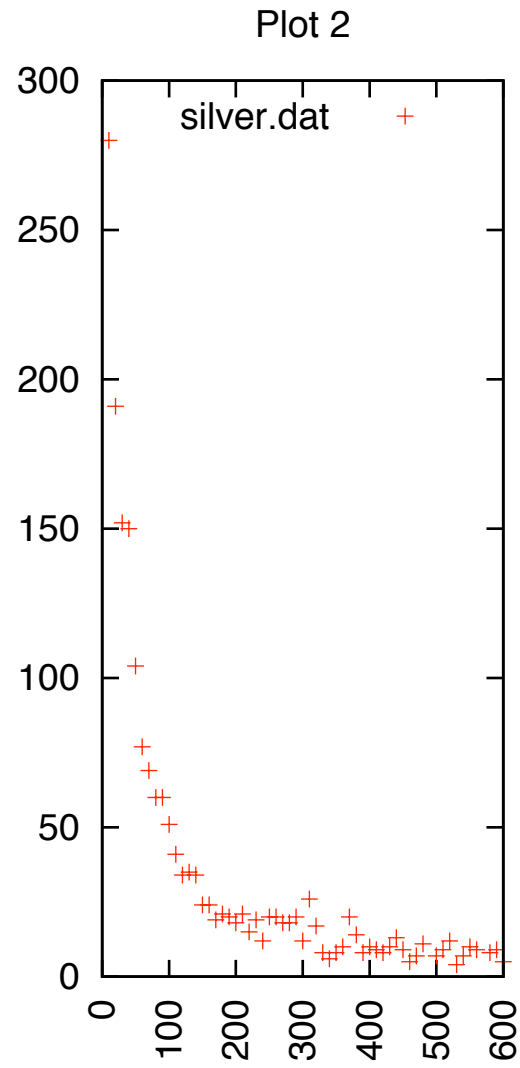
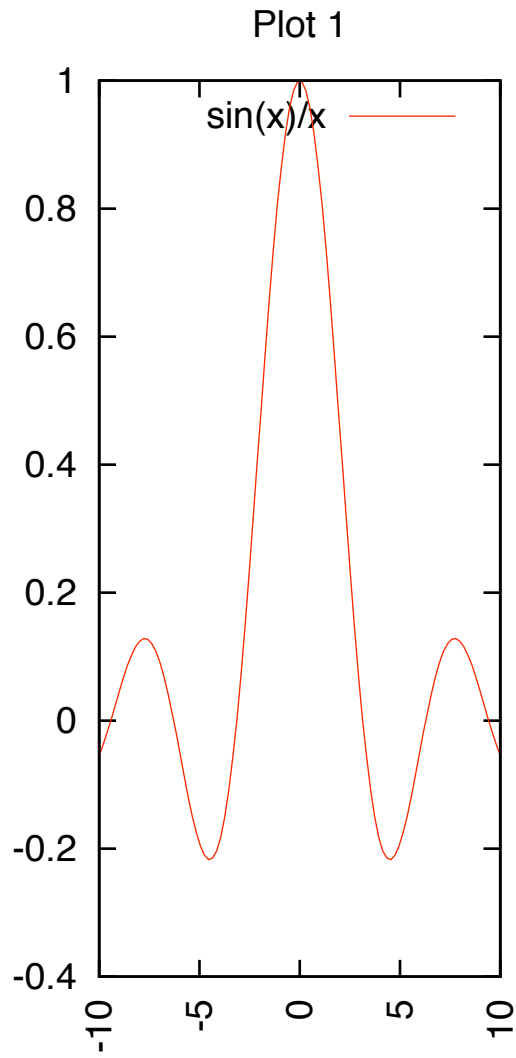
Plot 2



Plot 3



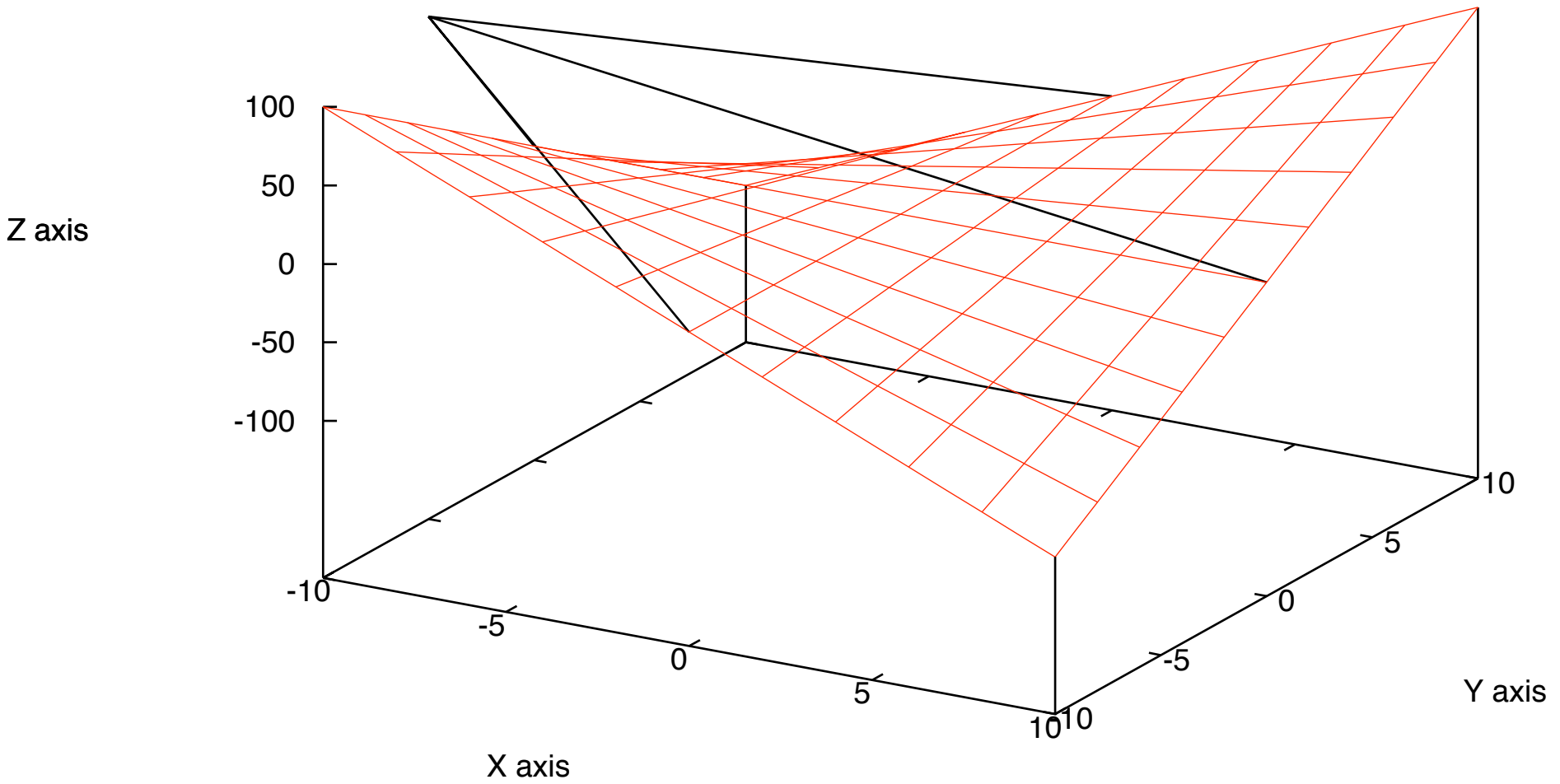
Same plot with a multi-line title showing adjustment of plot area to accommodate it



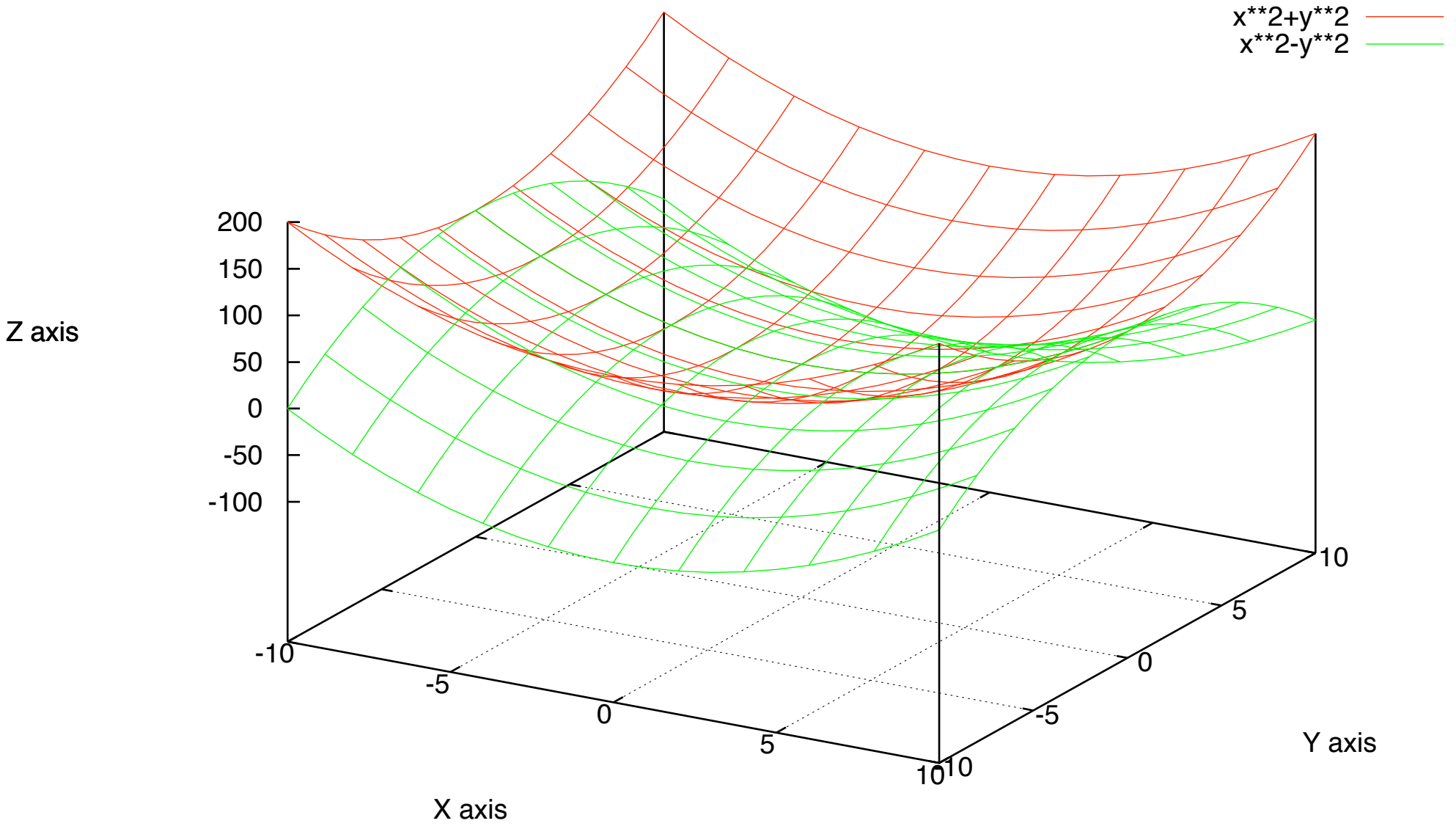
3D gnuplot demo

$x*y$ ———

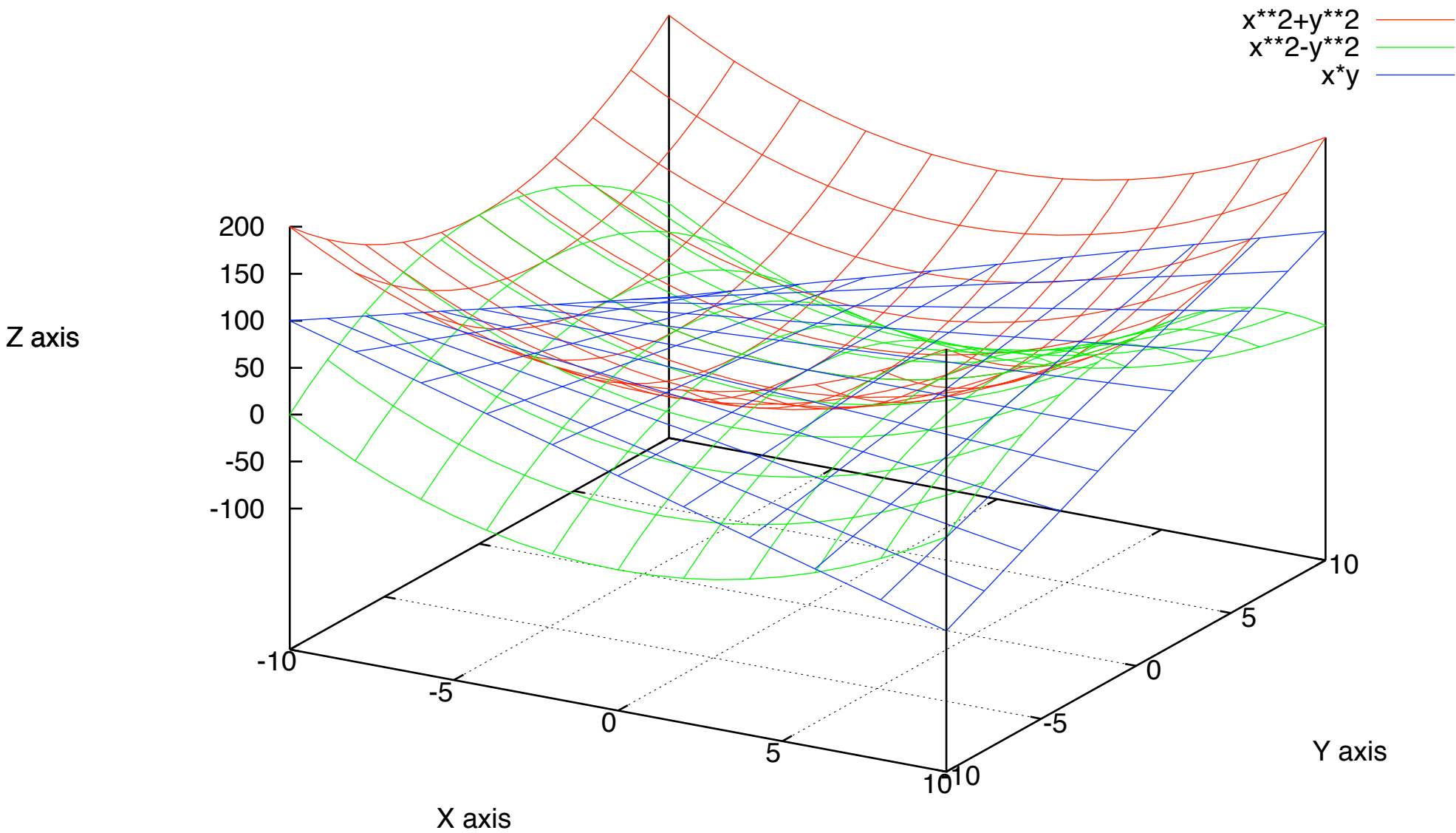
This is the surface boundary



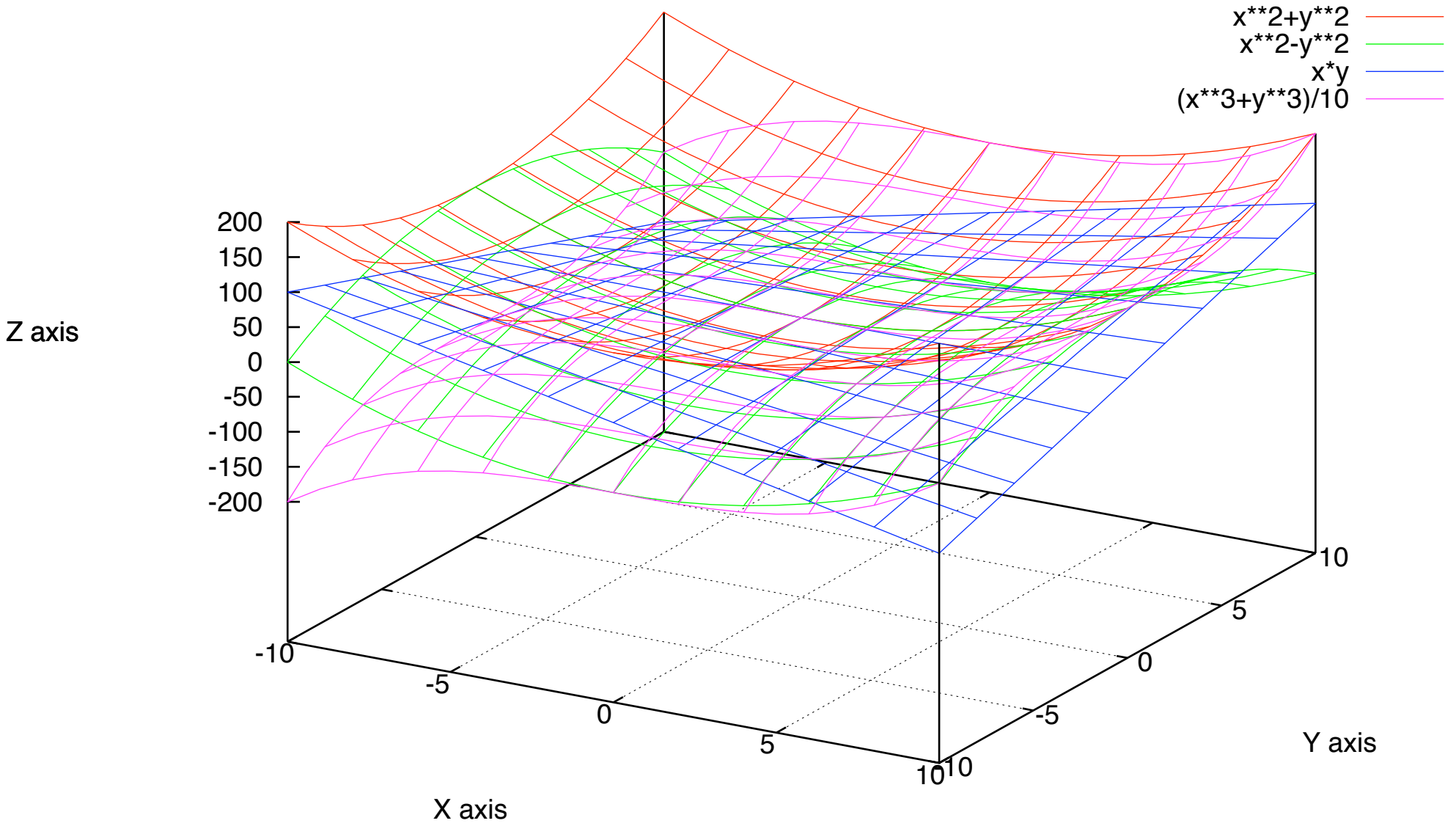
3D gnuplot demo



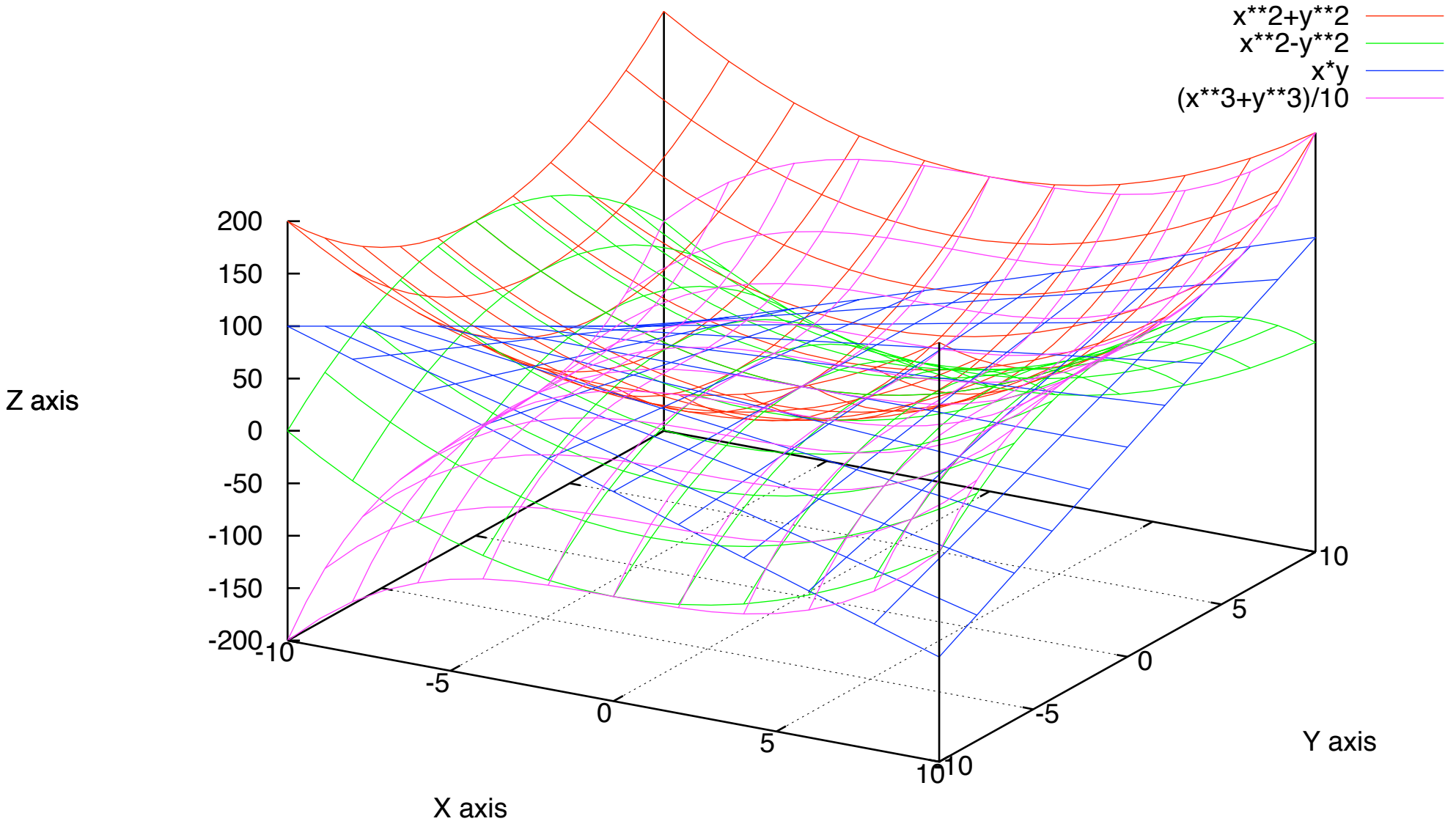
3D gnuplot demo



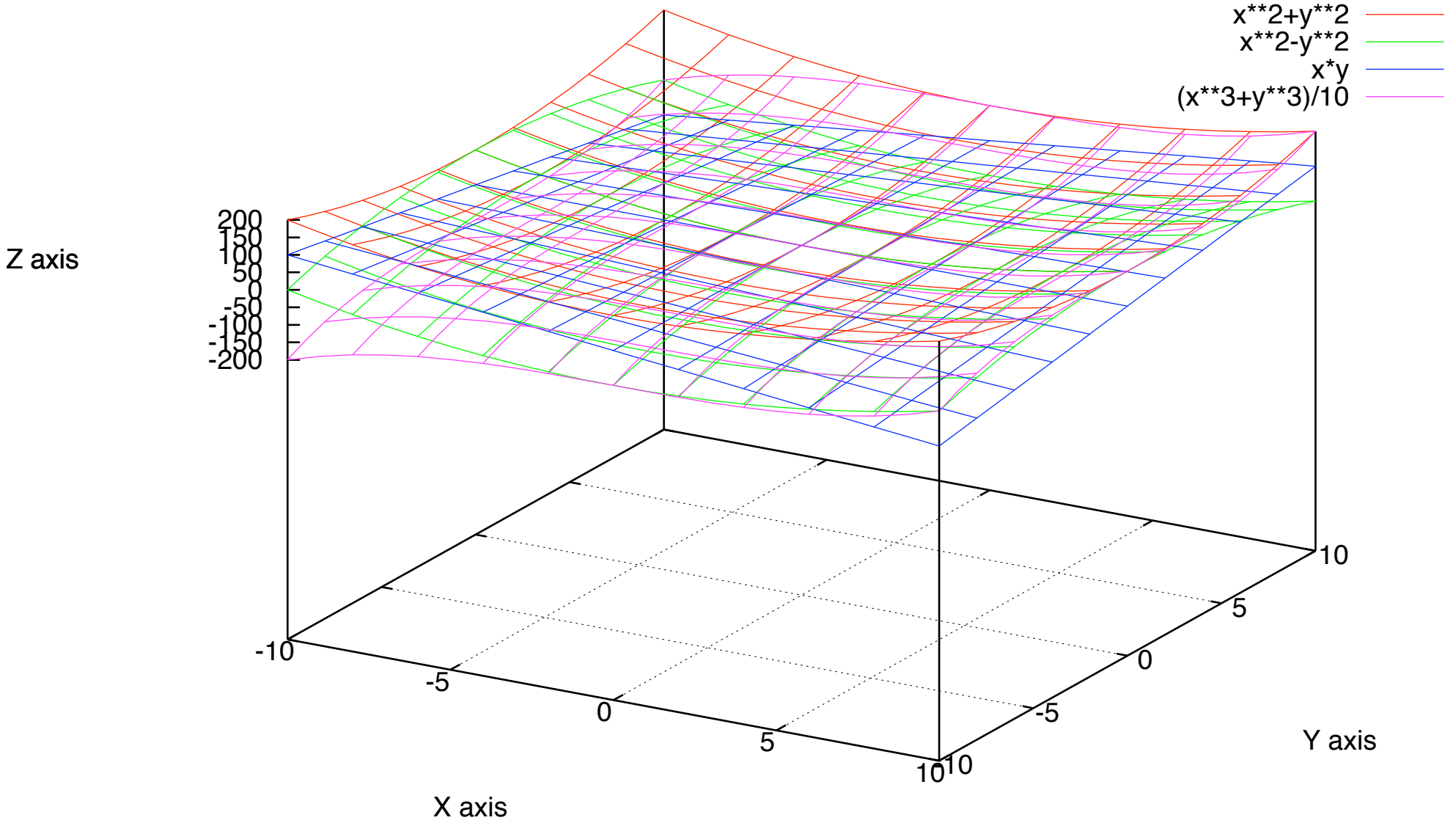
3D gnuplot demo



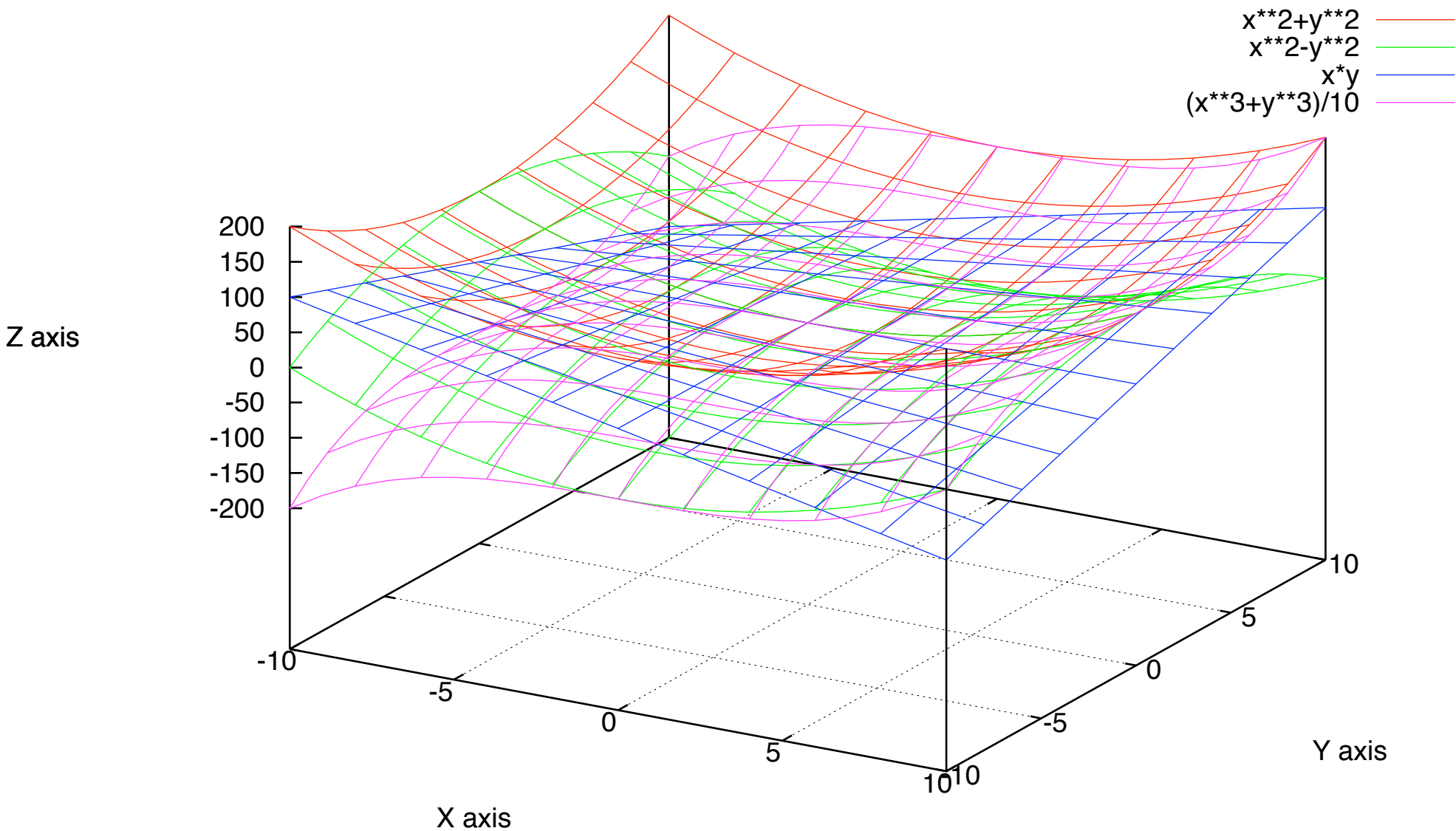
3D gnuplot demo (ticslevel = 0.0)



3D gnuplot demo (ticslevel = 2.0)



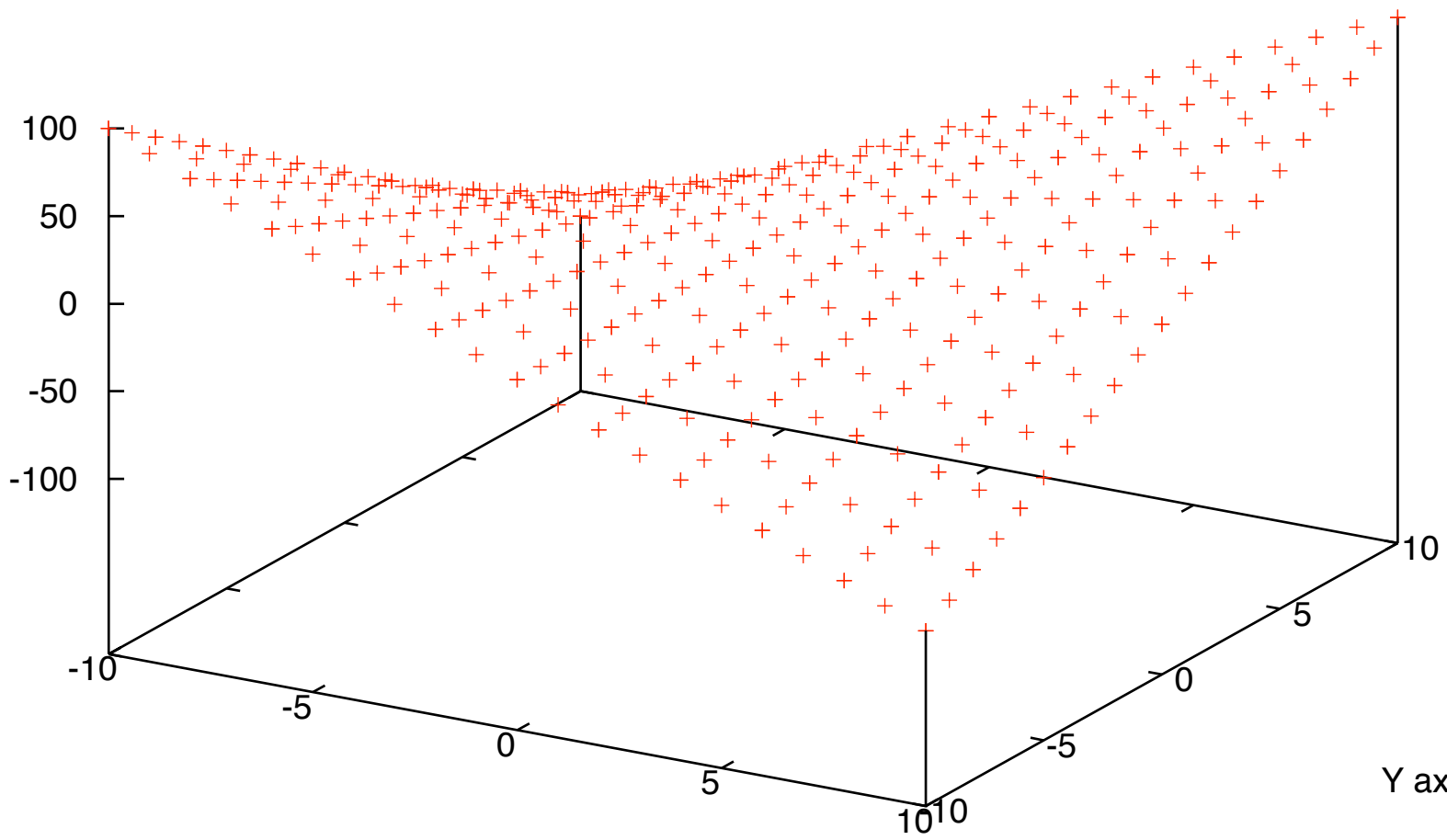
3D gnuplot demo (ticslevel = 0.5)



3D gnuplot demo

x*y +

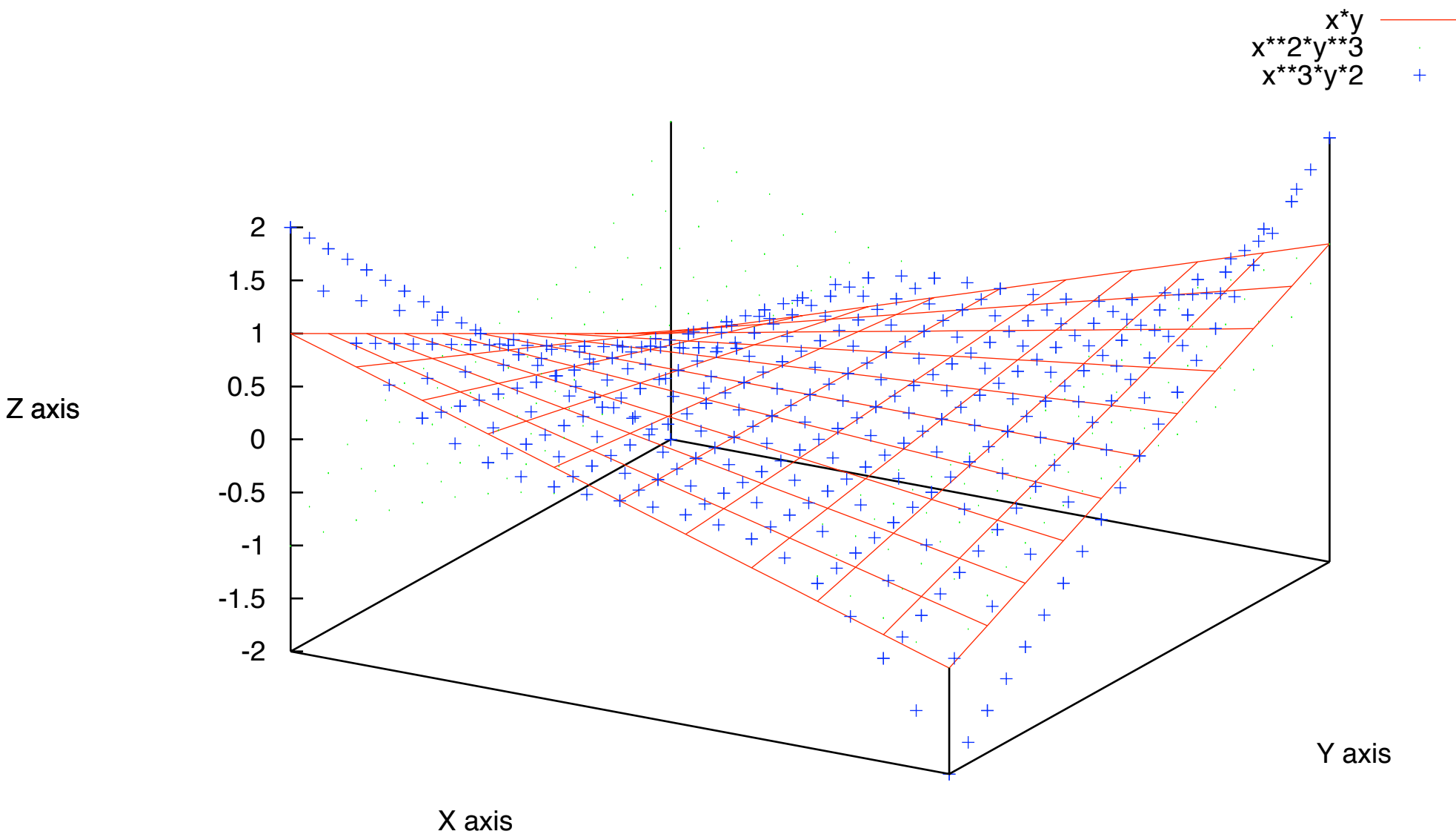
Z axis



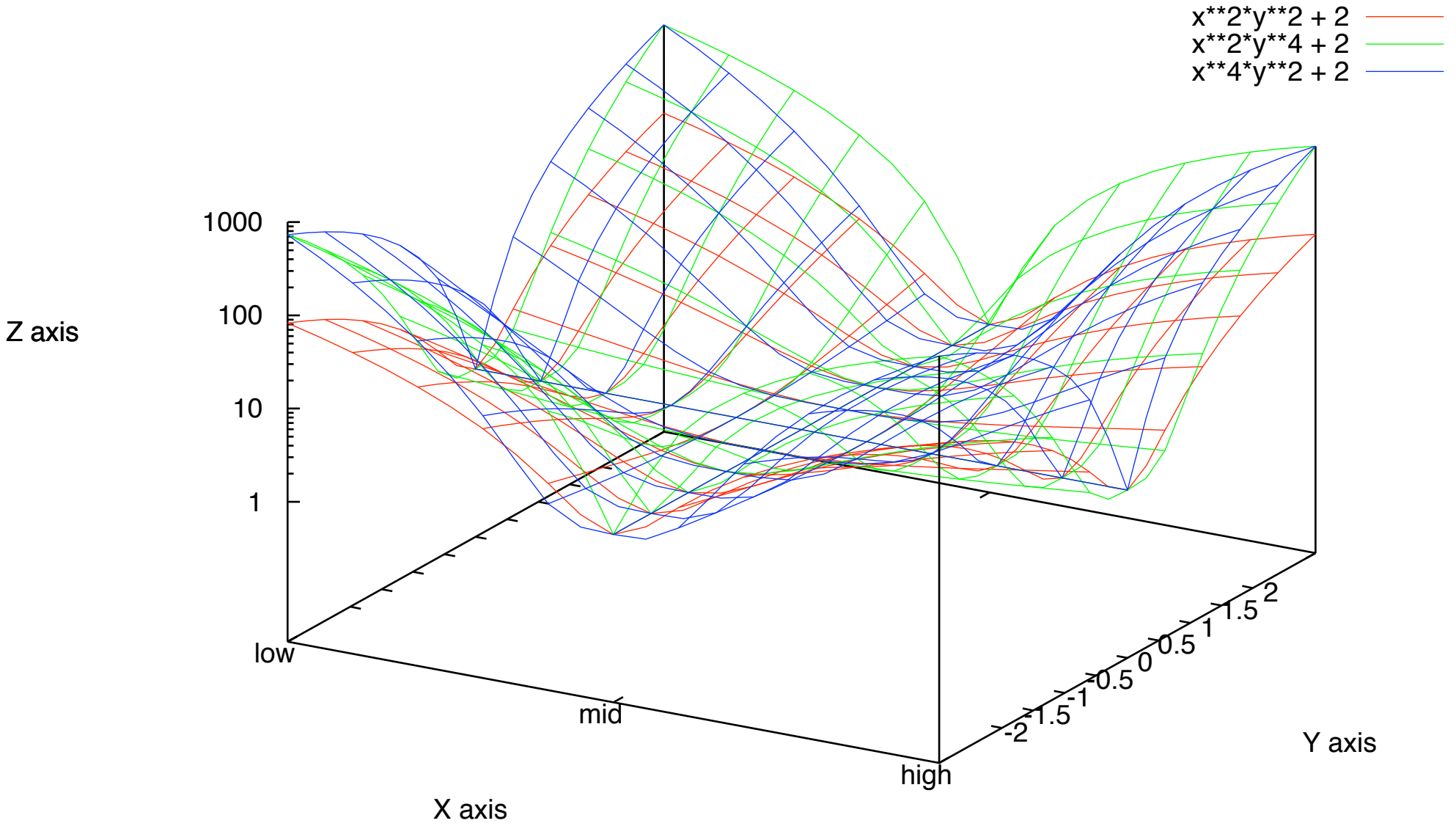
X axis

Y axis

Surfaces with no grid or tics

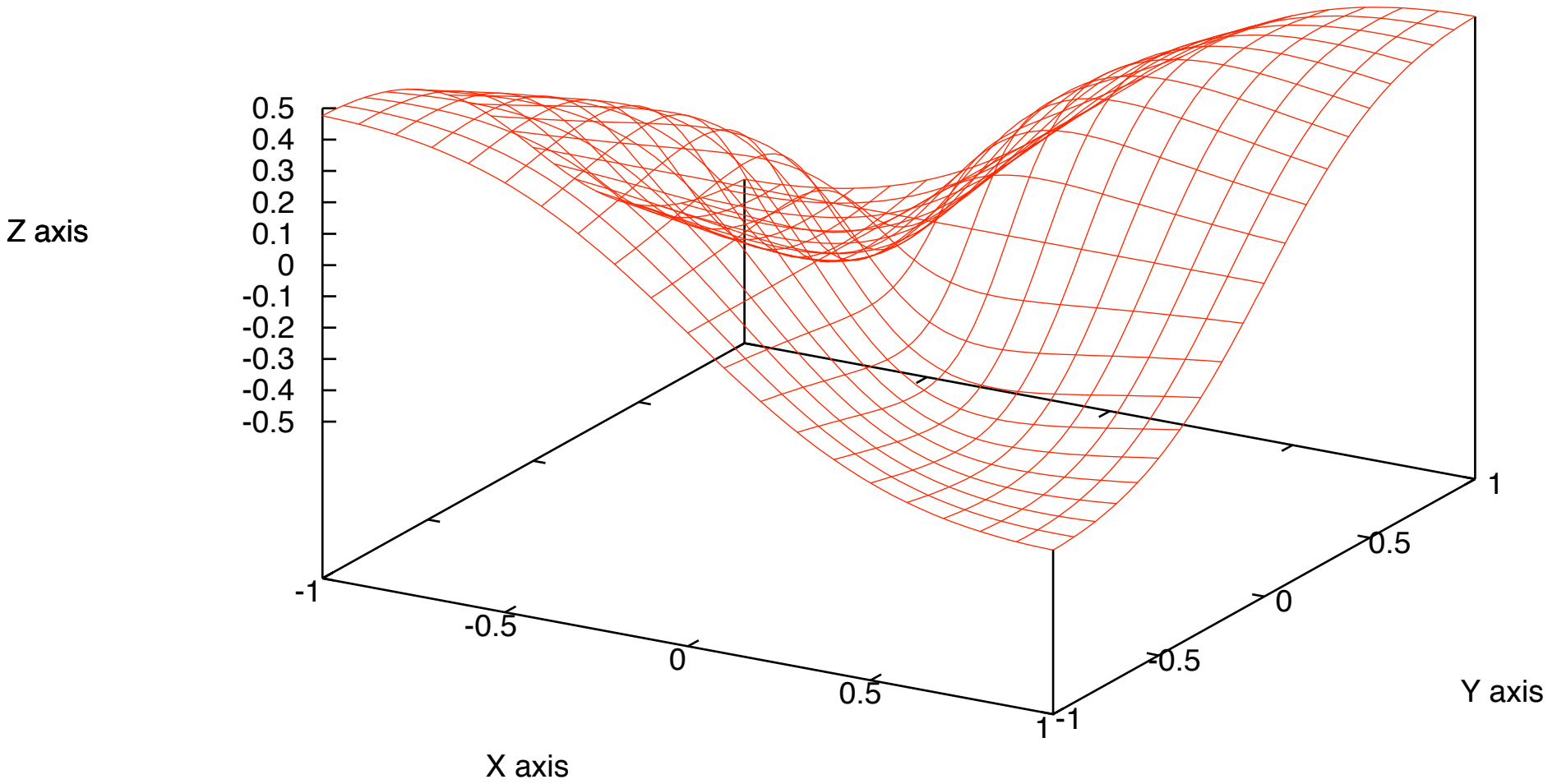


Surfaces with z log scale



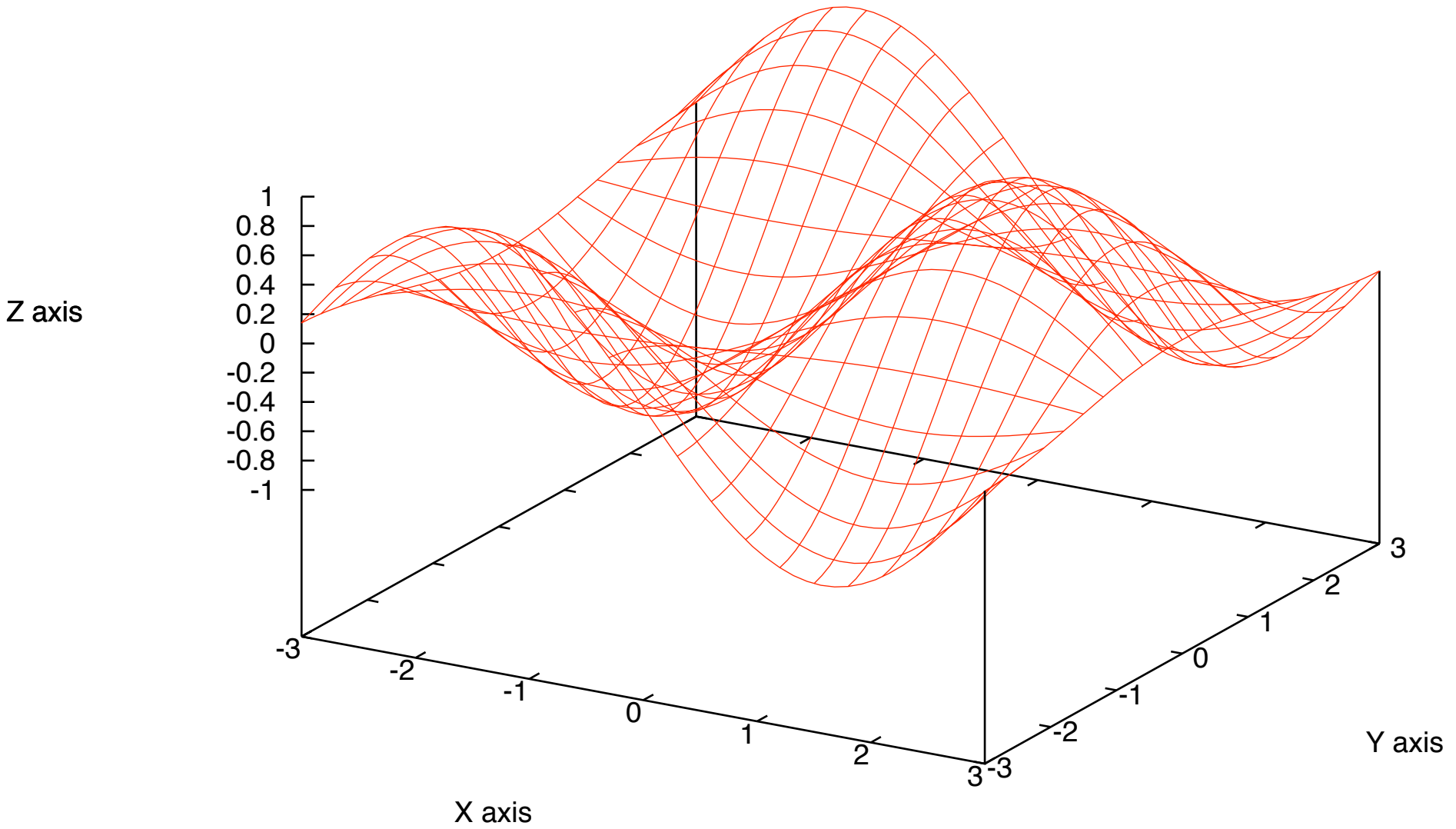
3D gnuplot demo

$$u*v / (u**2 + v**2 + 0.1)$$



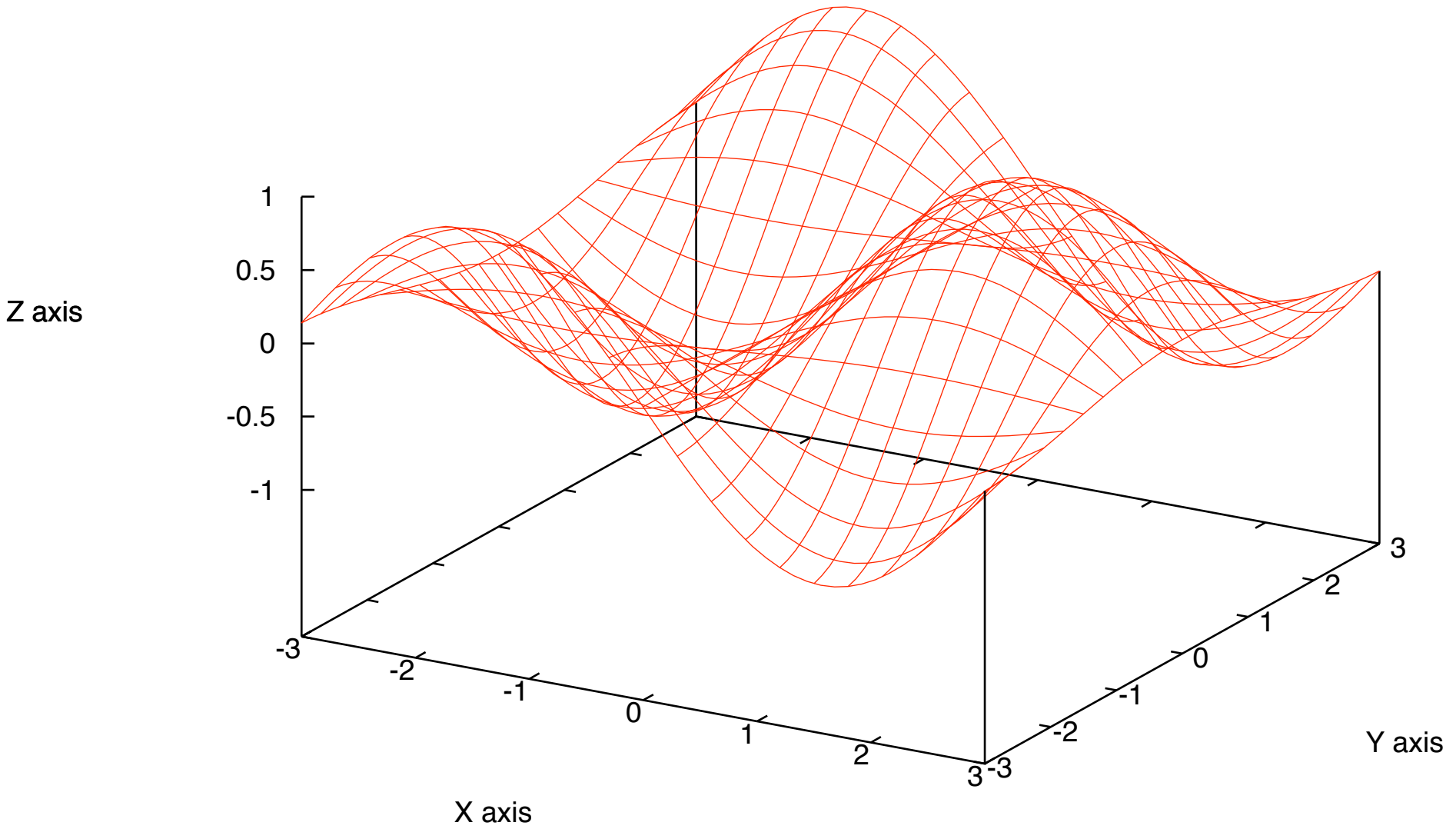
3D gnuplot demo

$\sin(x) * \cos(y)$ ———



3D gnuplot demo

$\sin(x) * \cos(y)$ ———

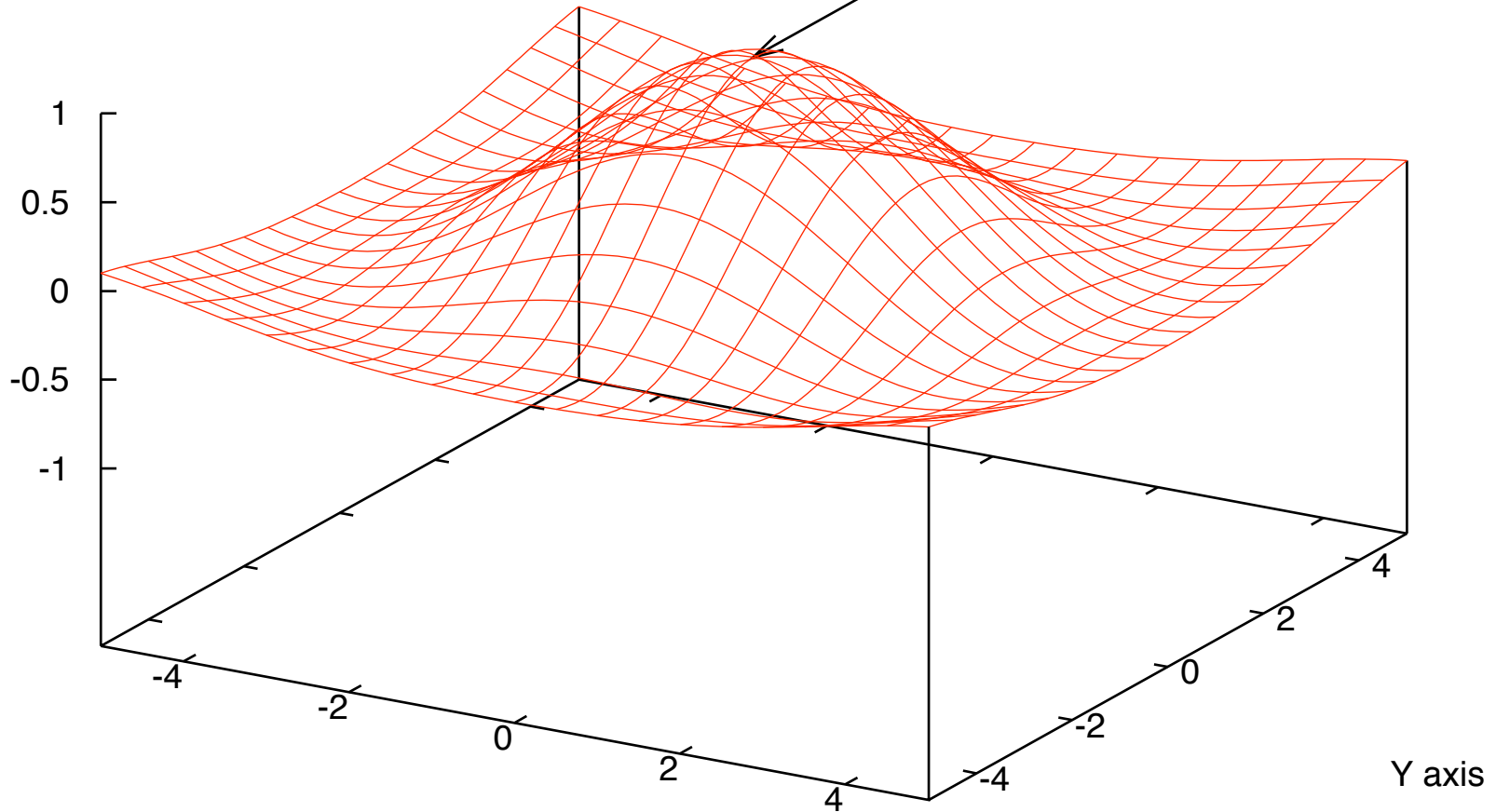


Sinc function

$\text{sinc}(u,v)$ ———

This is equal to 1

Z axis



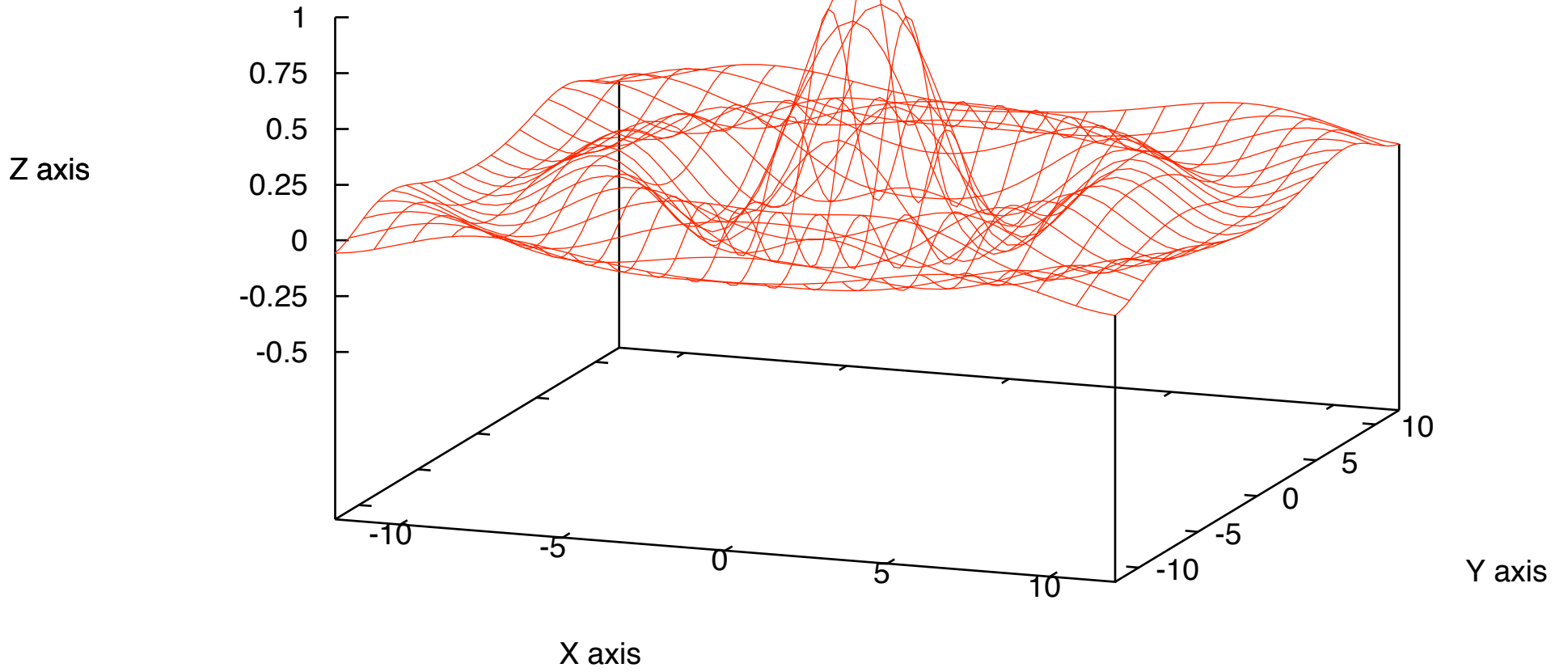
X axis

Y axis

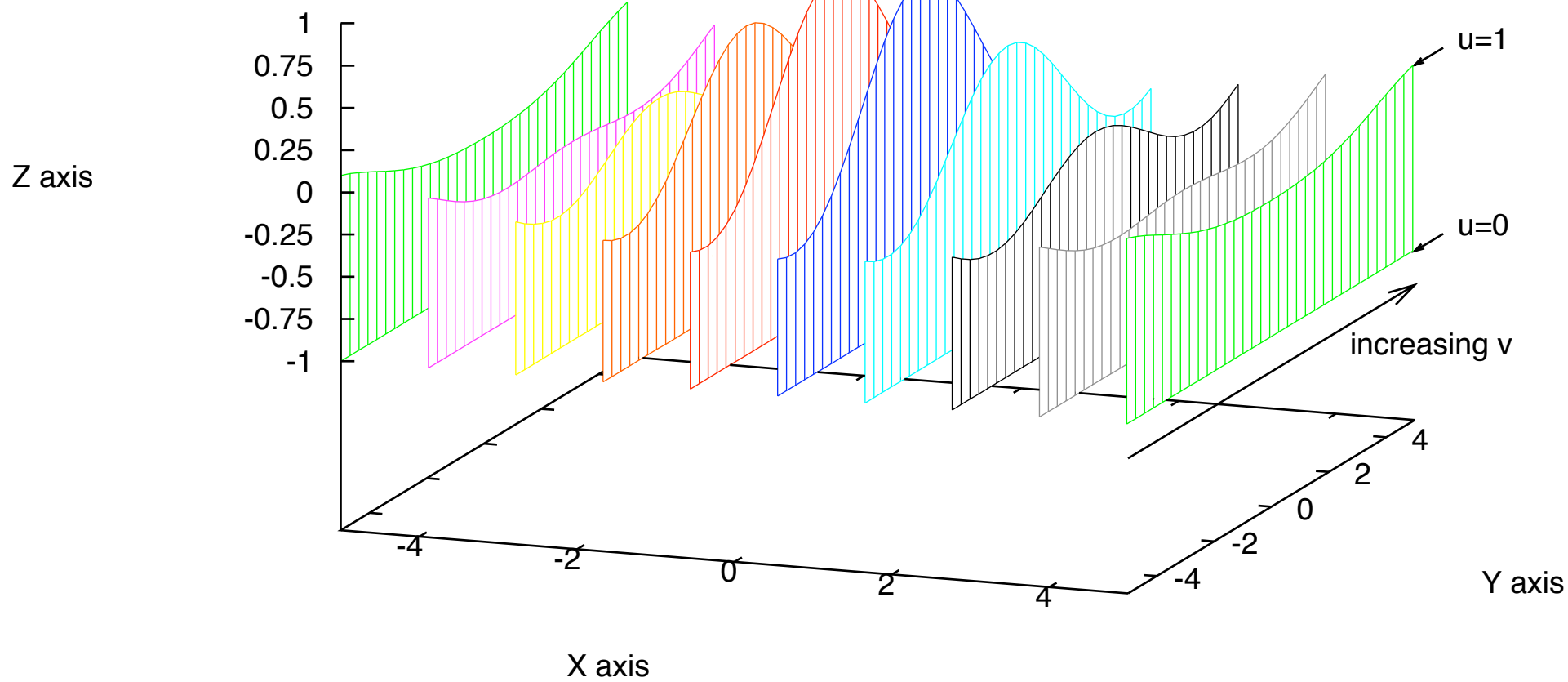
Sinc function

sinc(u,v) ———

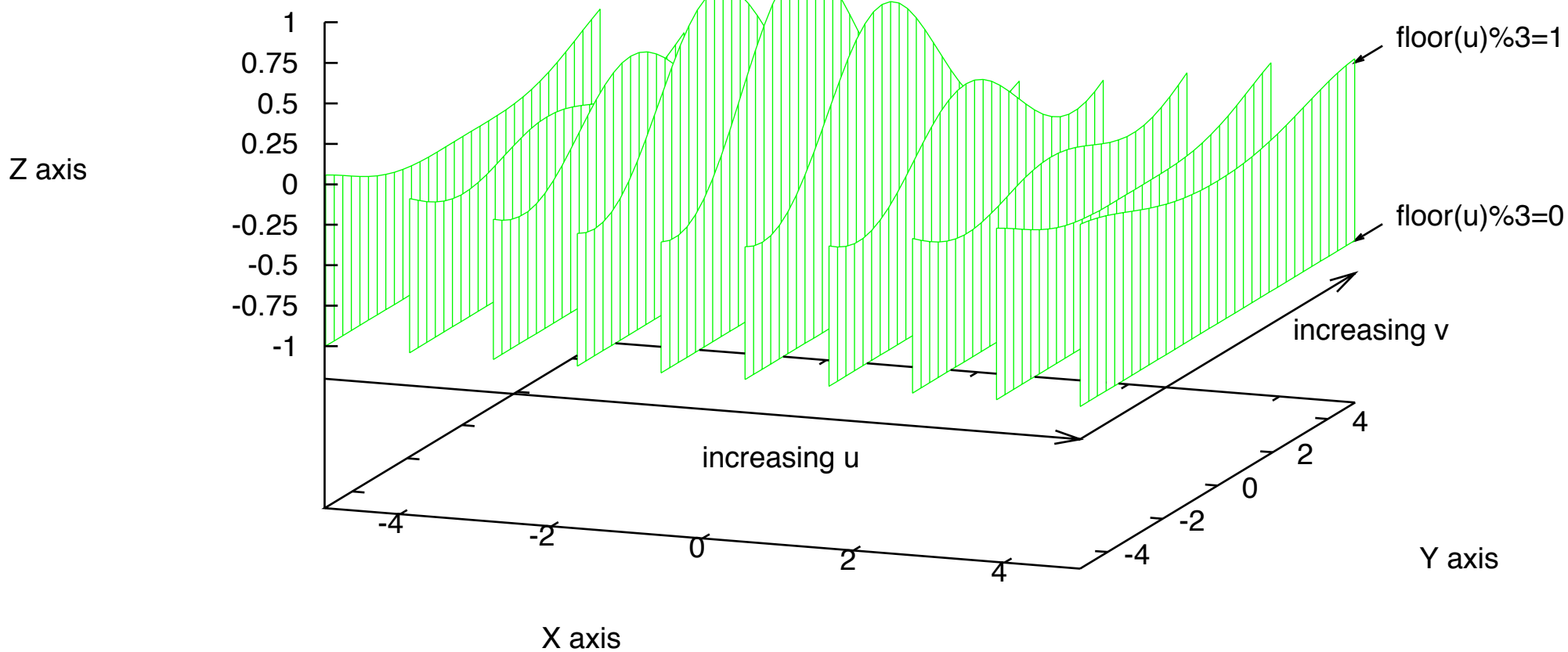
This is equal to 1



"fence plot" using separate parametric surfaces

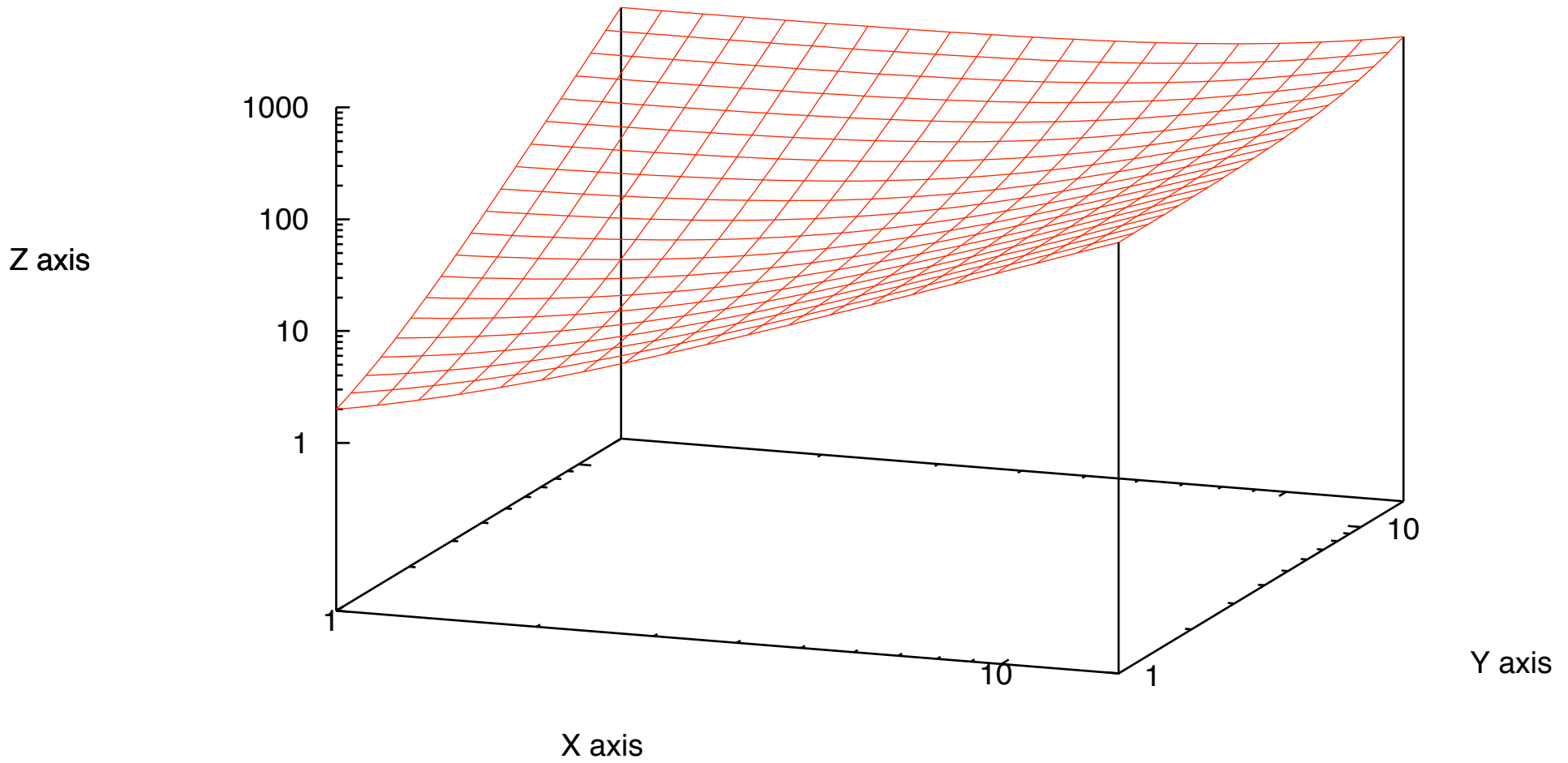


"fence plot" using single parametric surface with undefined points



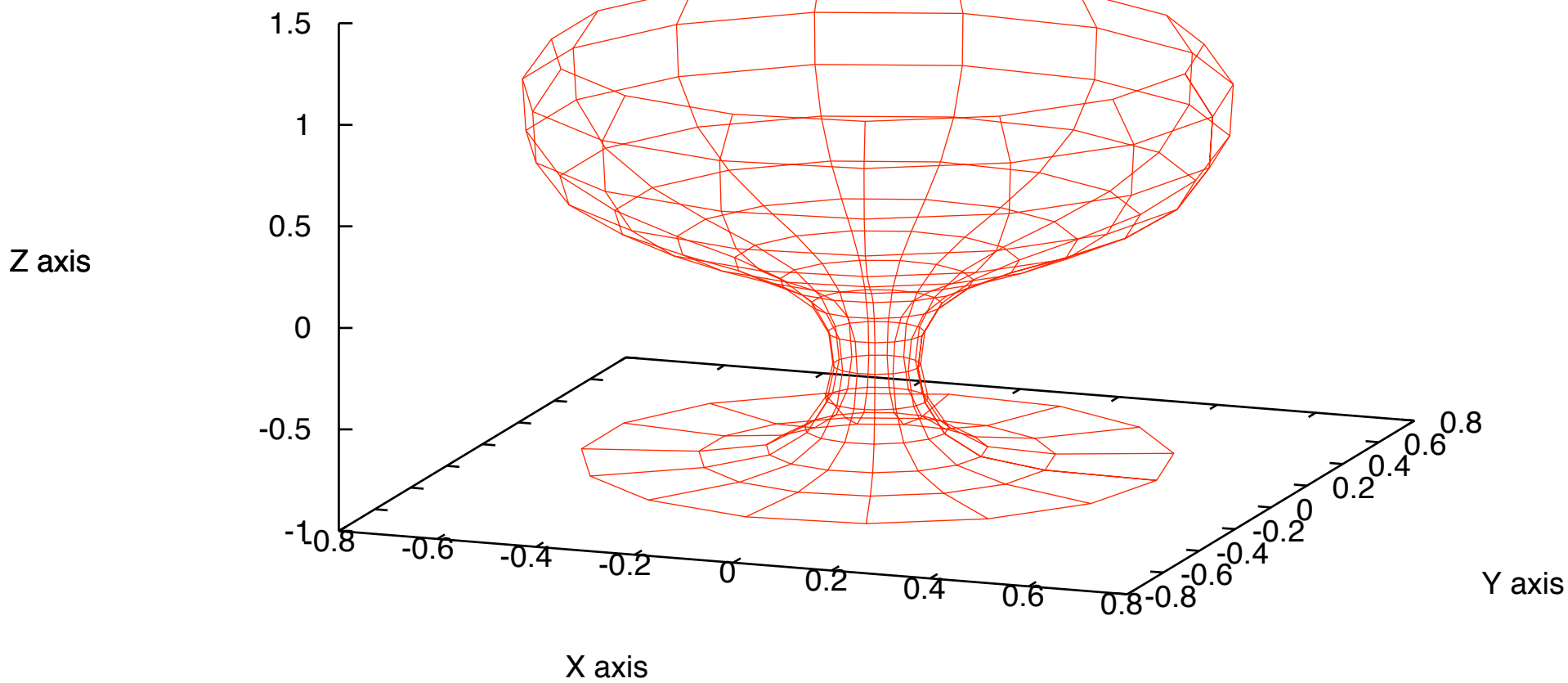
This has logarithmic scale

$x^{**2}+y^{**2}$ ———



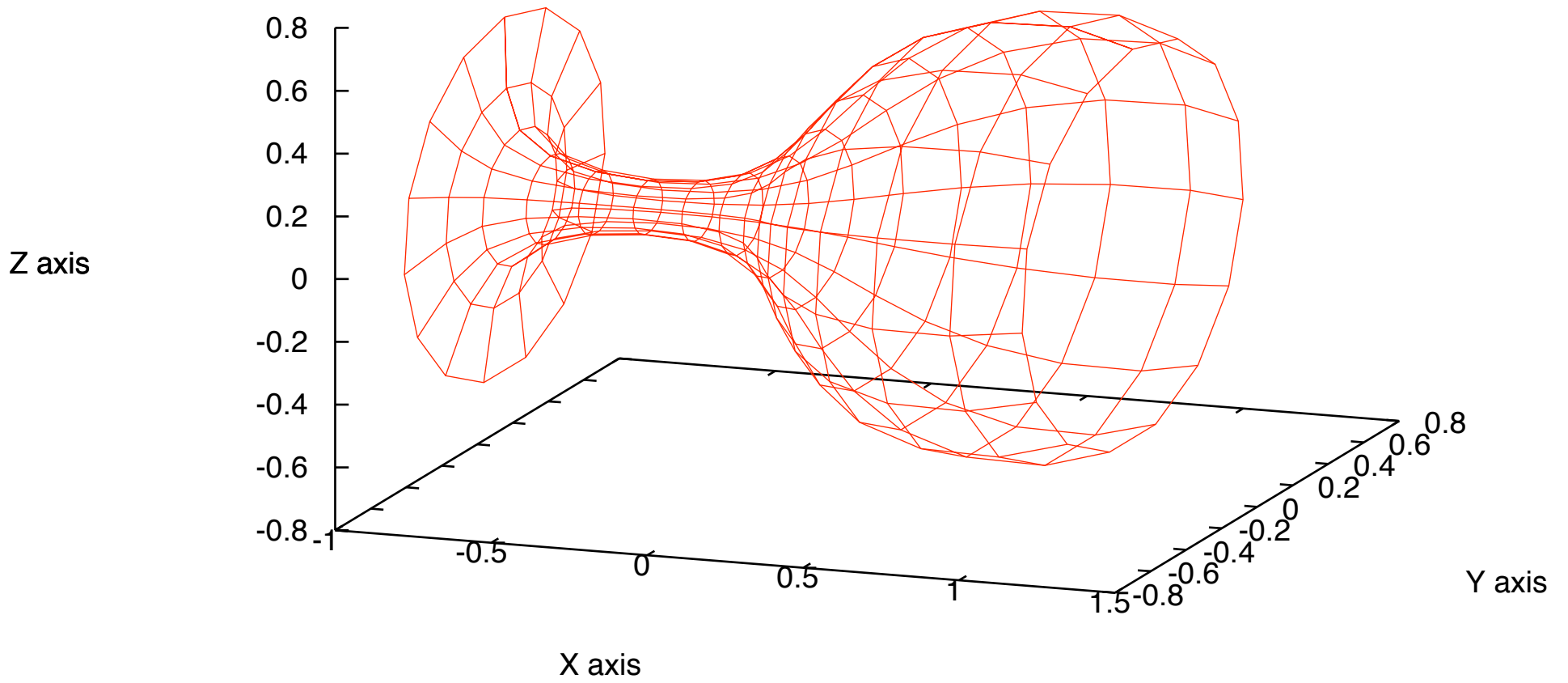
Data grid plotting

"glass.dat" ———

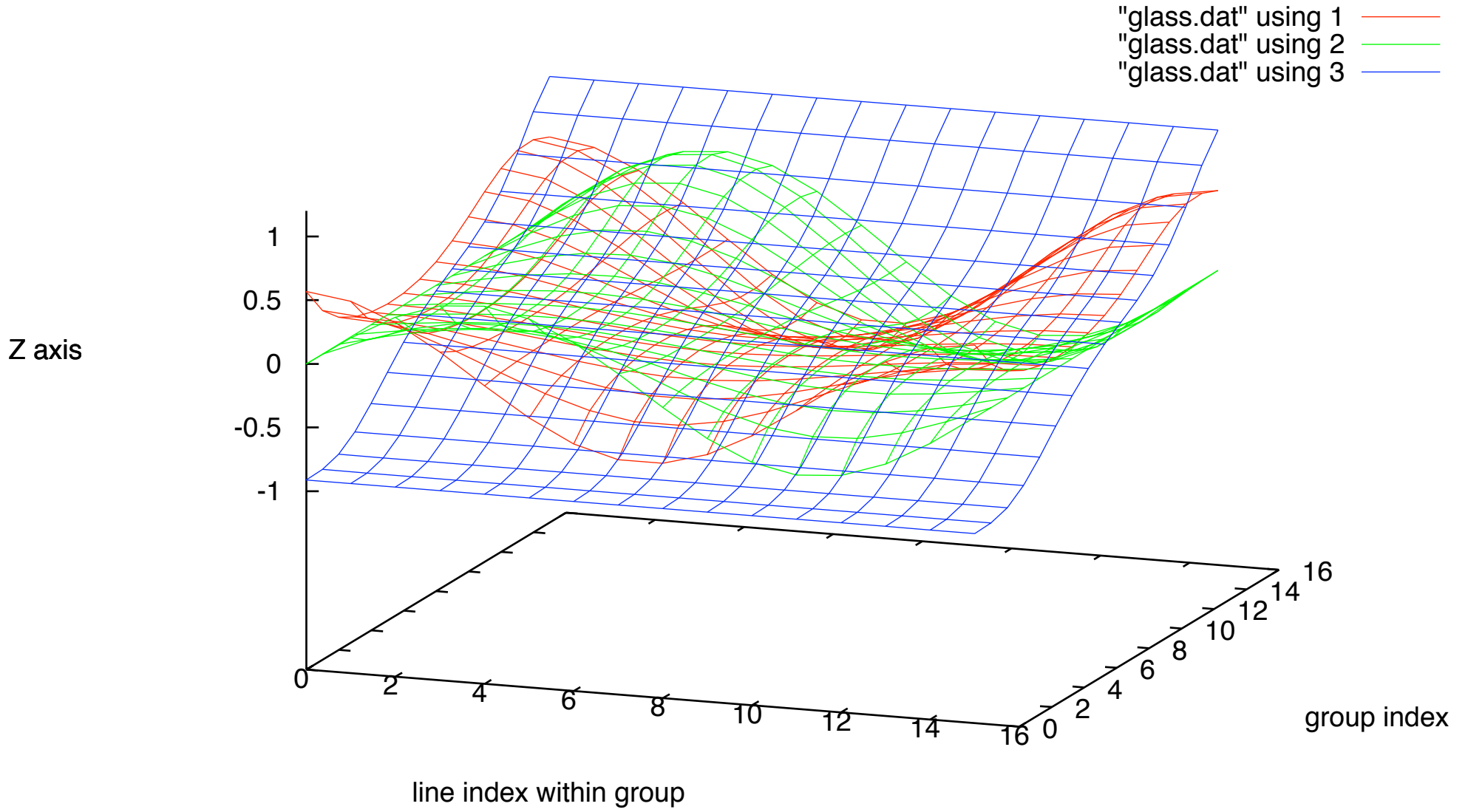


Data grid plotting

"glass.dat" using 3:2:1 

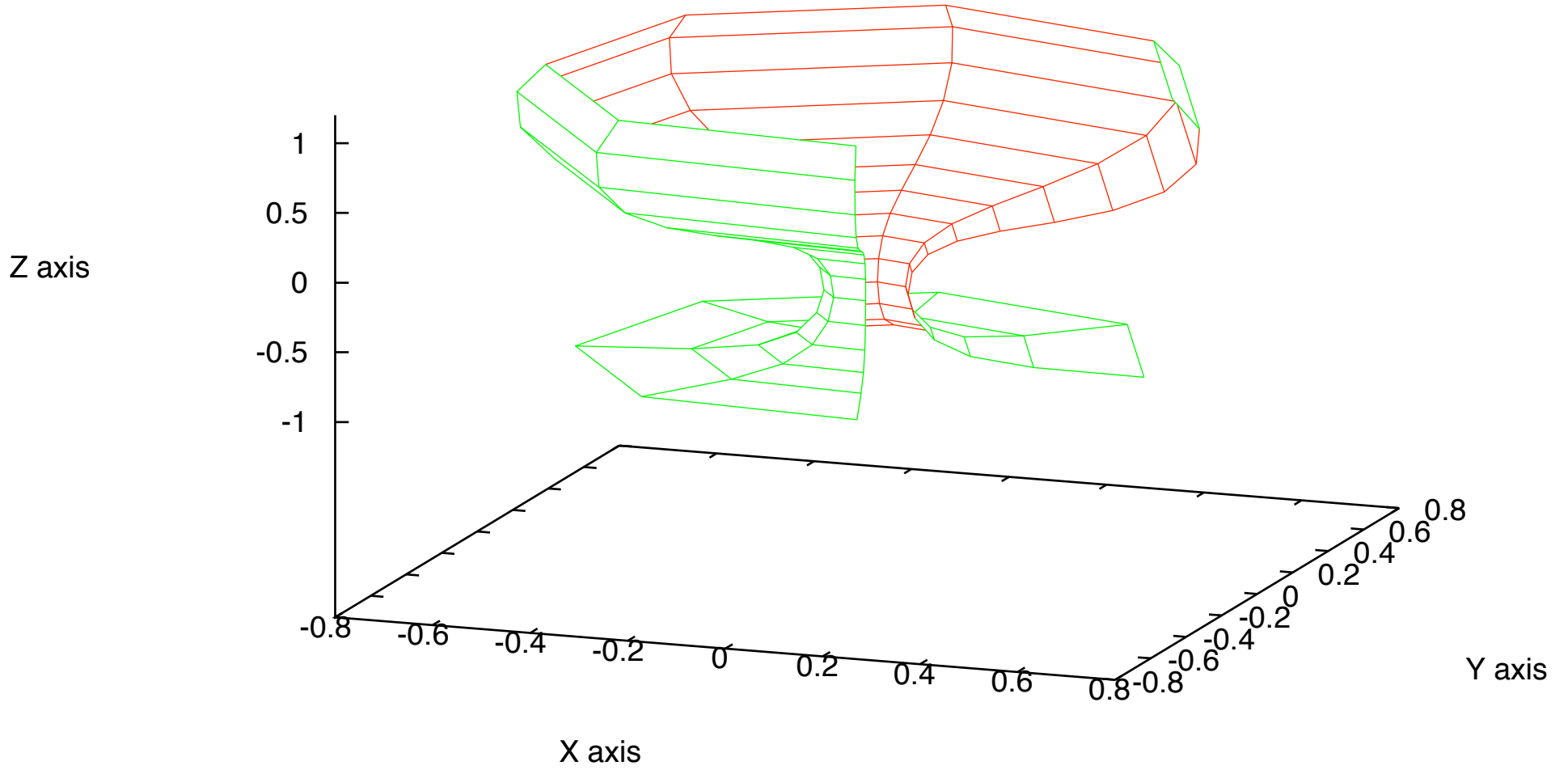


Data grid plotting




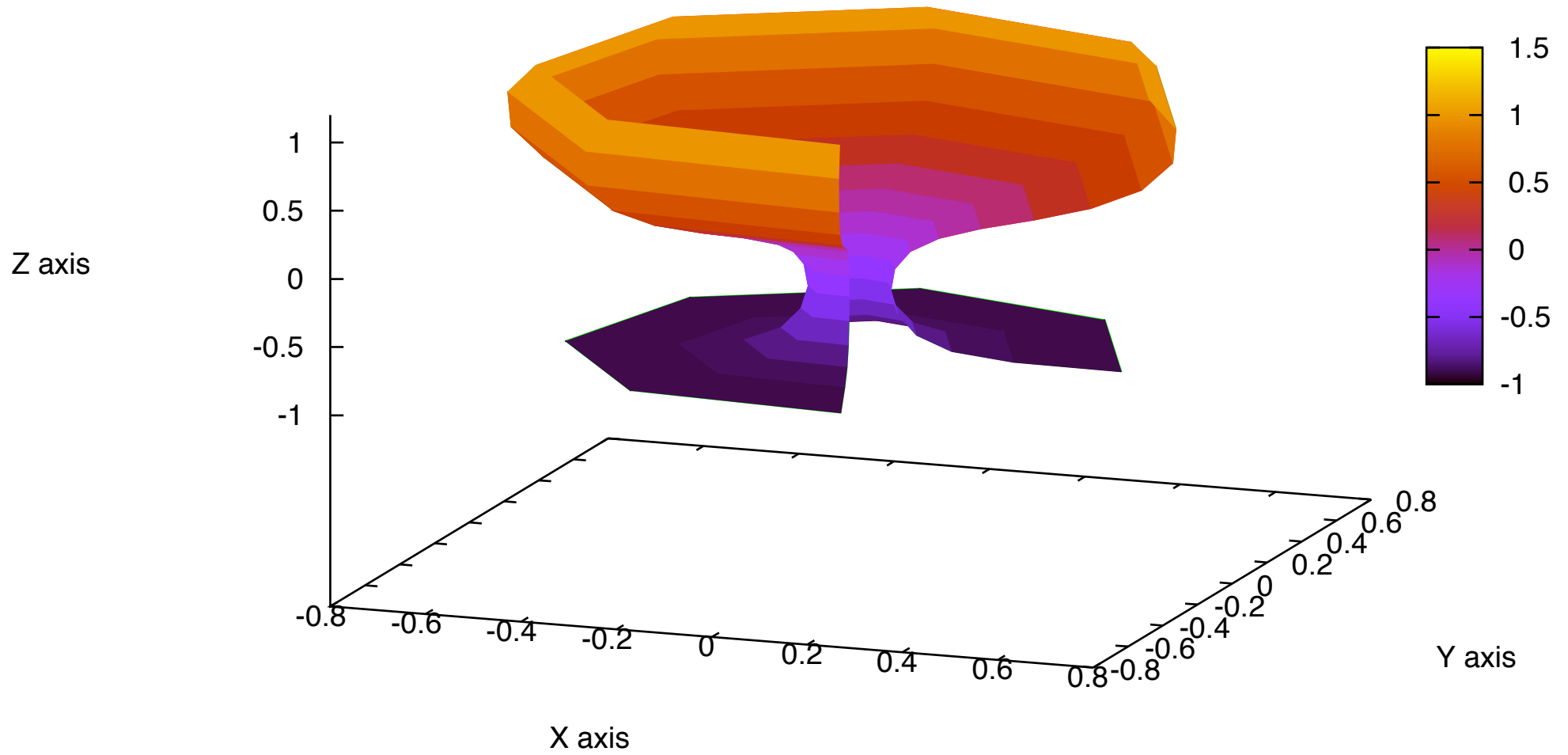
plot of part of a data file

'glass.dat' every 2::0::12 



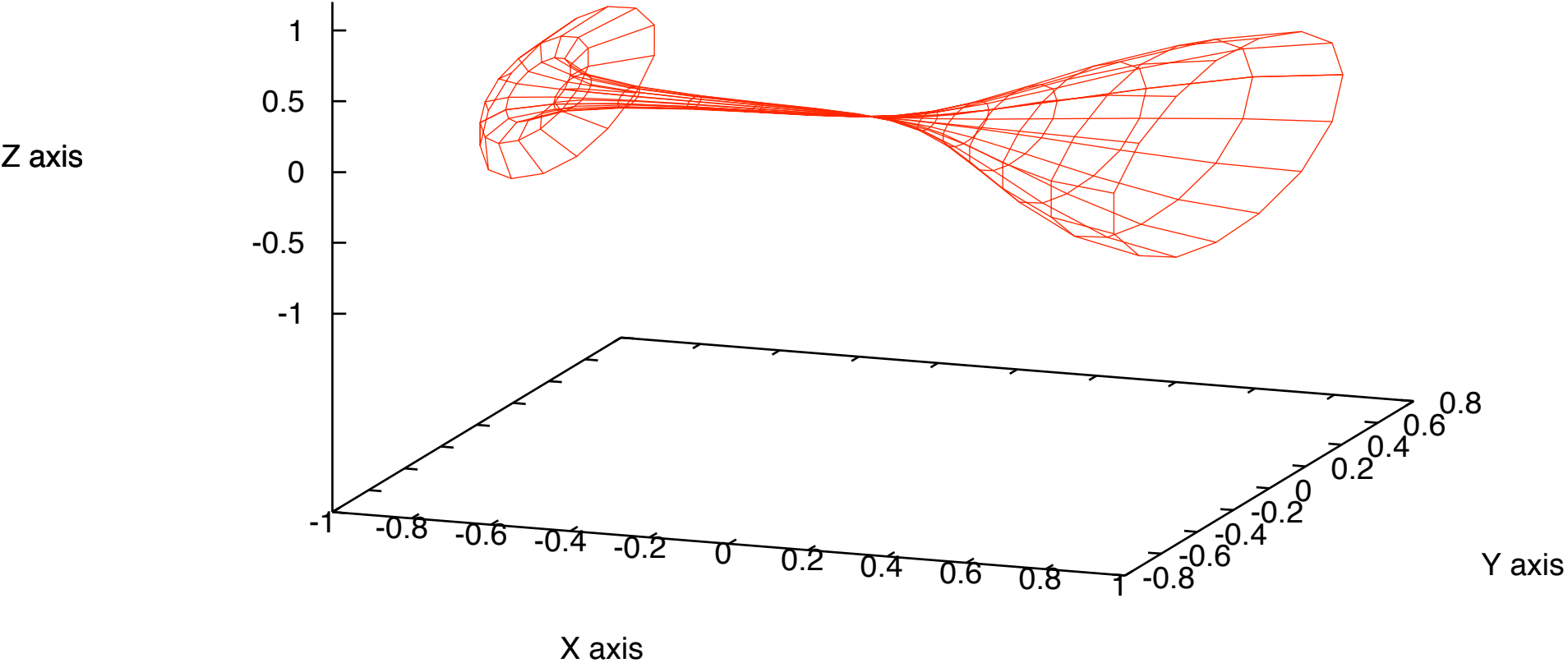
plot with "set pm3d" (implemented with some terminals)

'glass.dat' every 2::0::12 



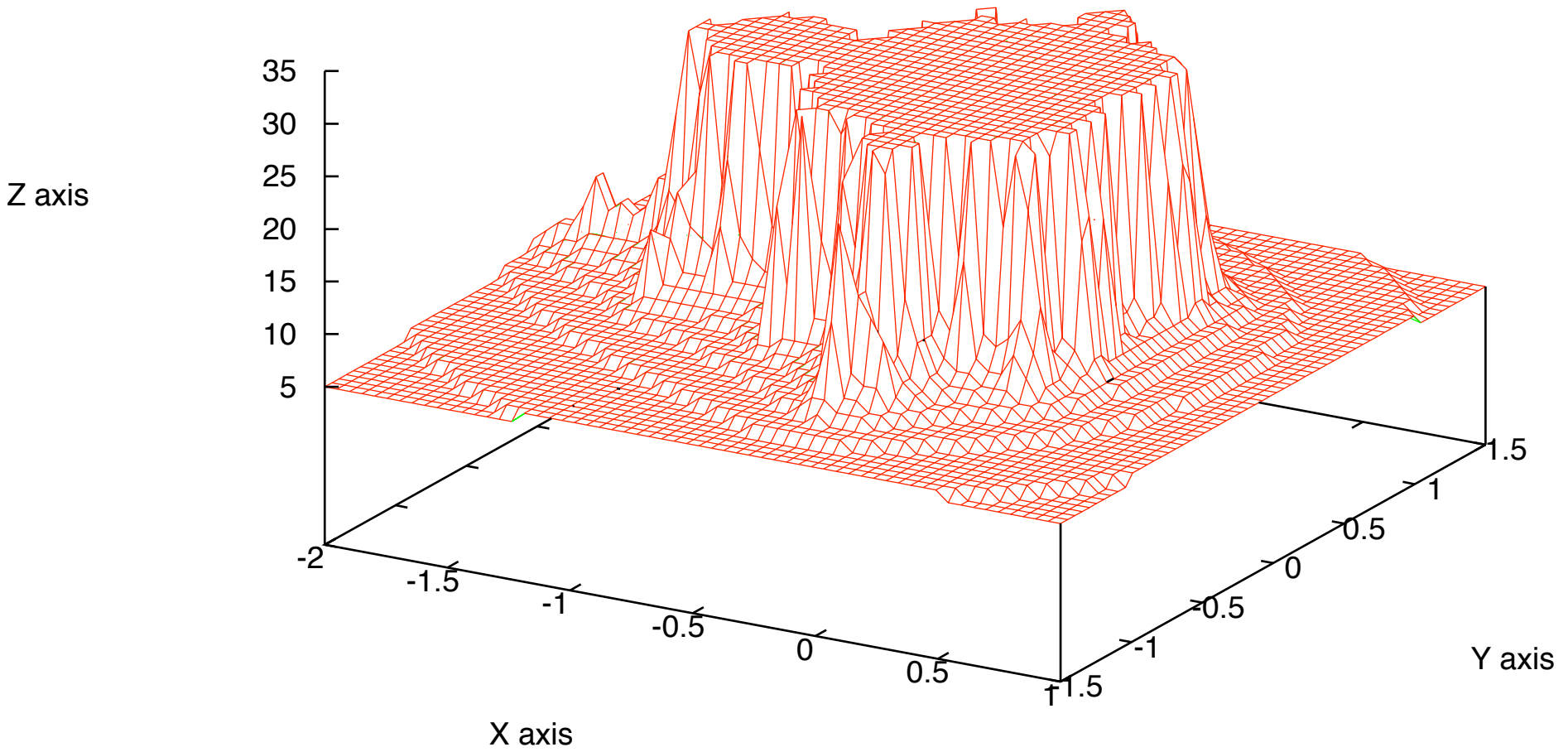
Test of spherical coordinates

"glass.dat" 

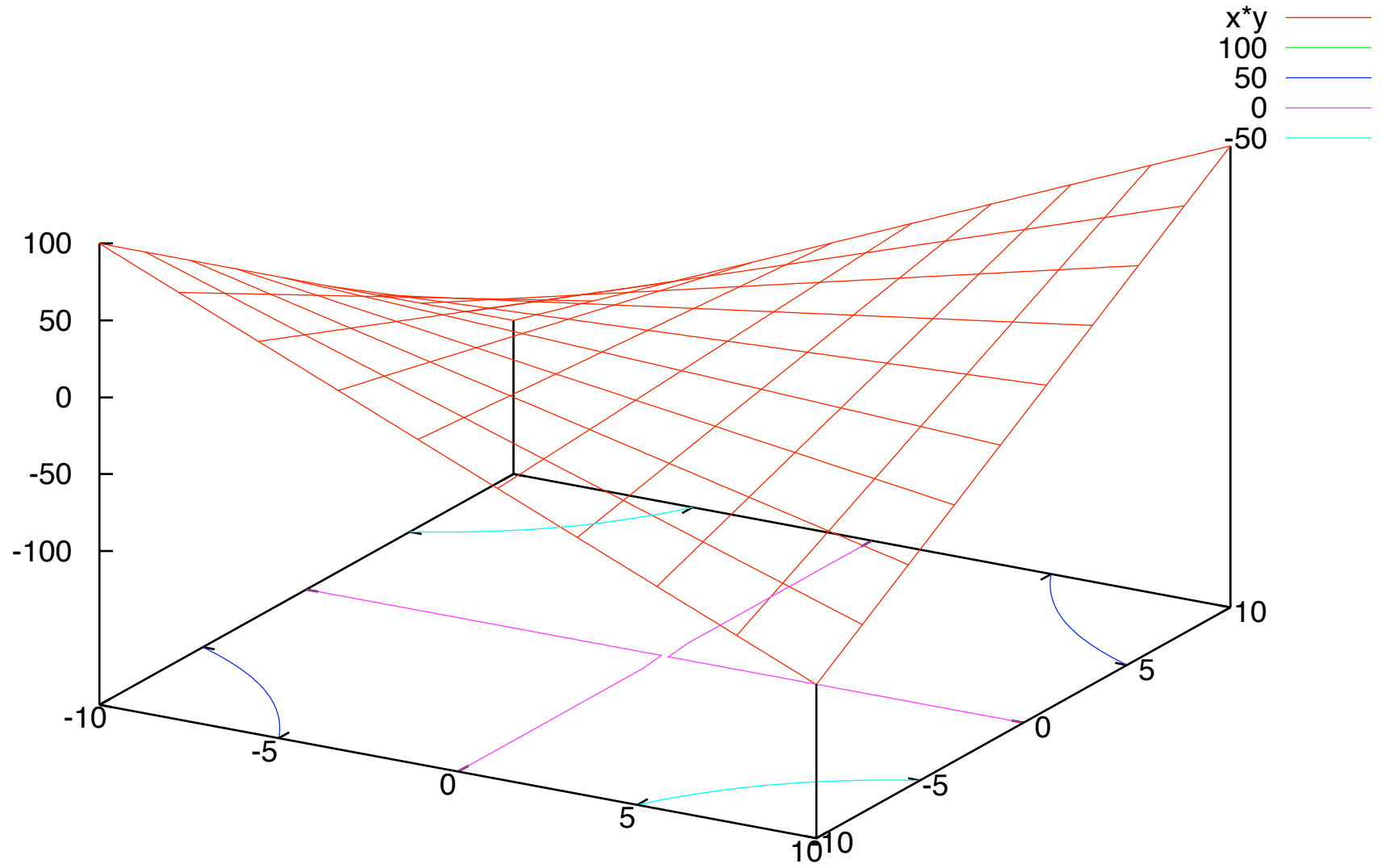


Mandelbrot function

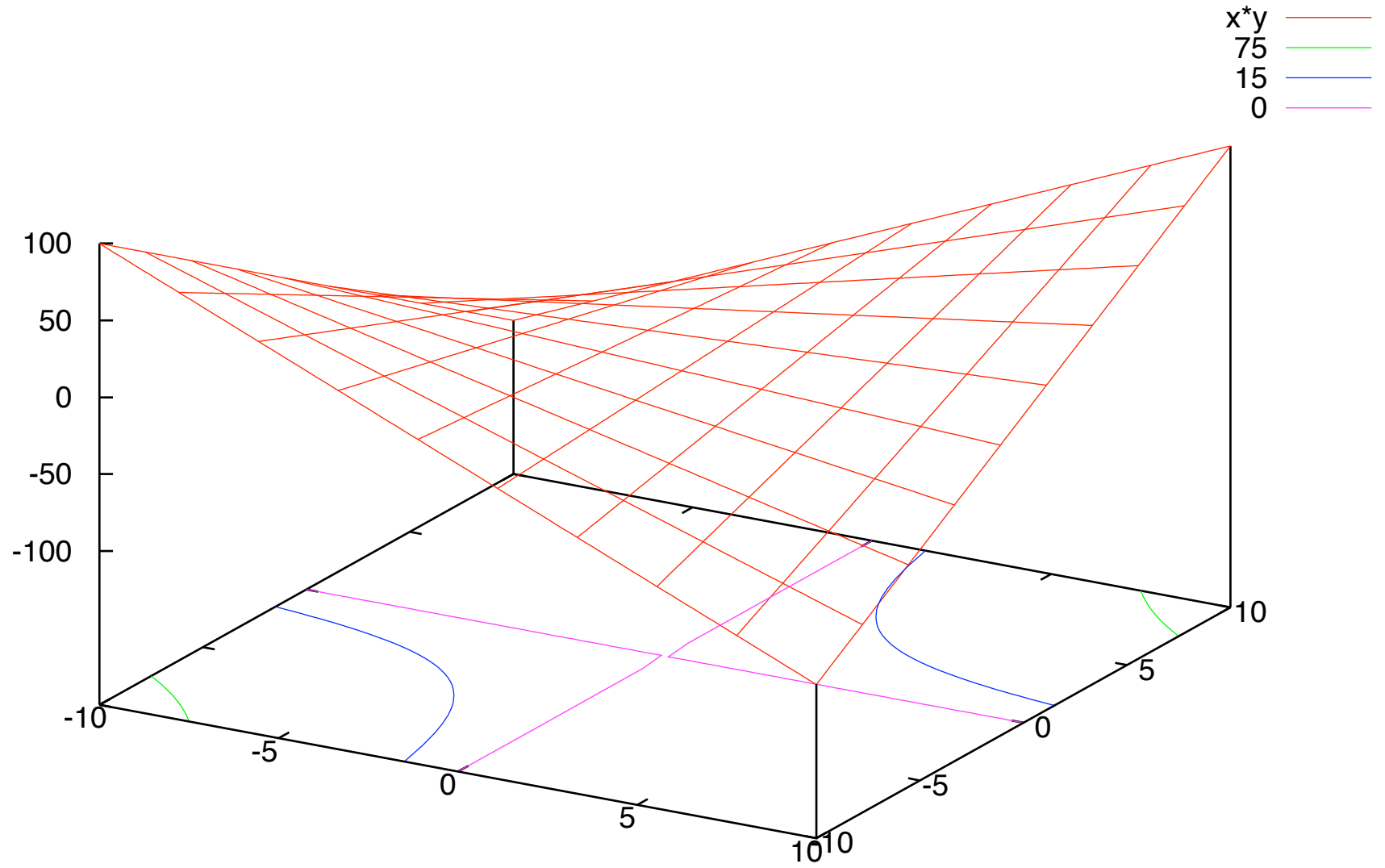
`mand({0,0},compl(x,y),30)` ———



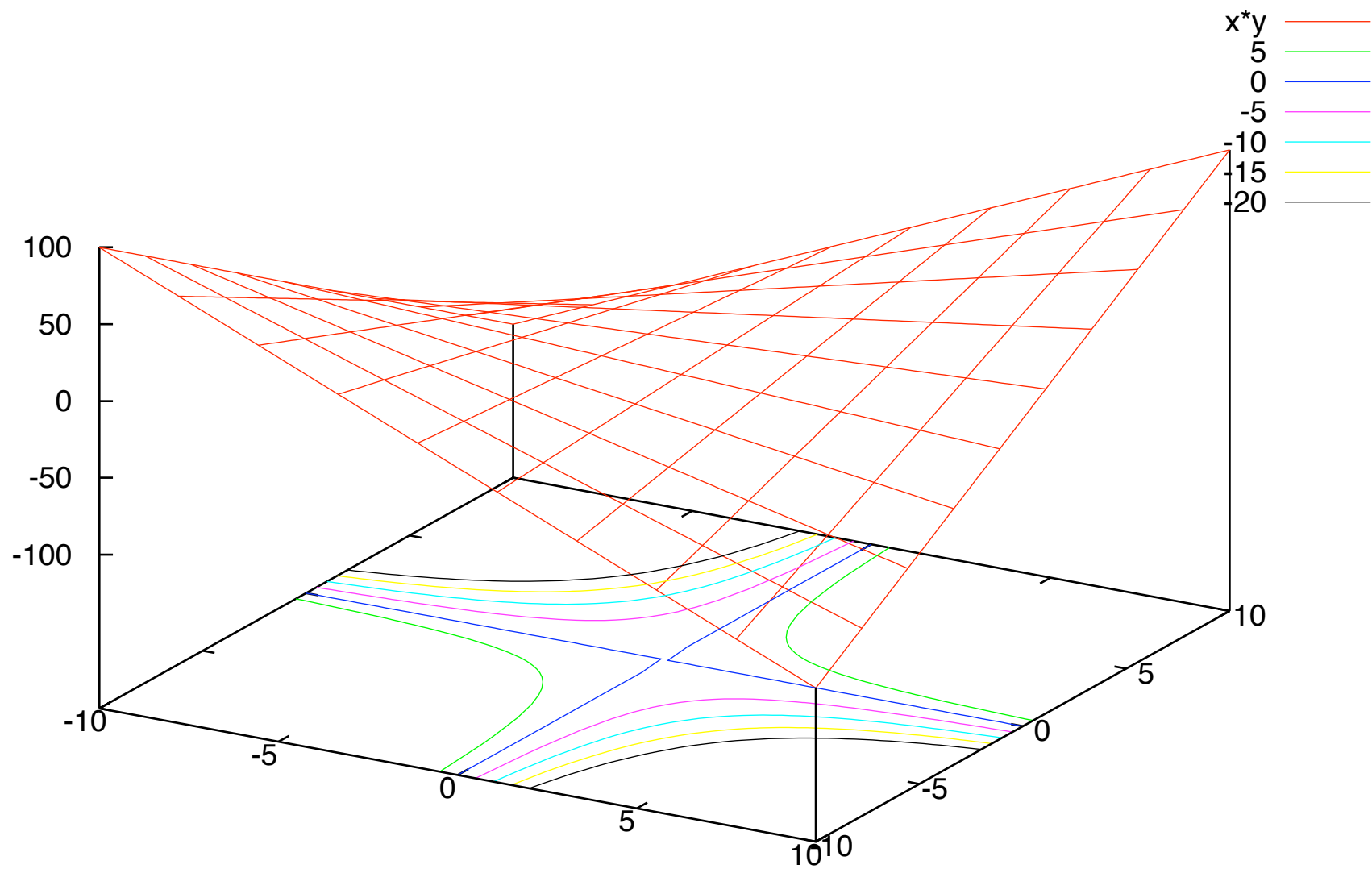
Demo of specifying discrete contour levels - default contours



3 discrete contours at 0 15 75

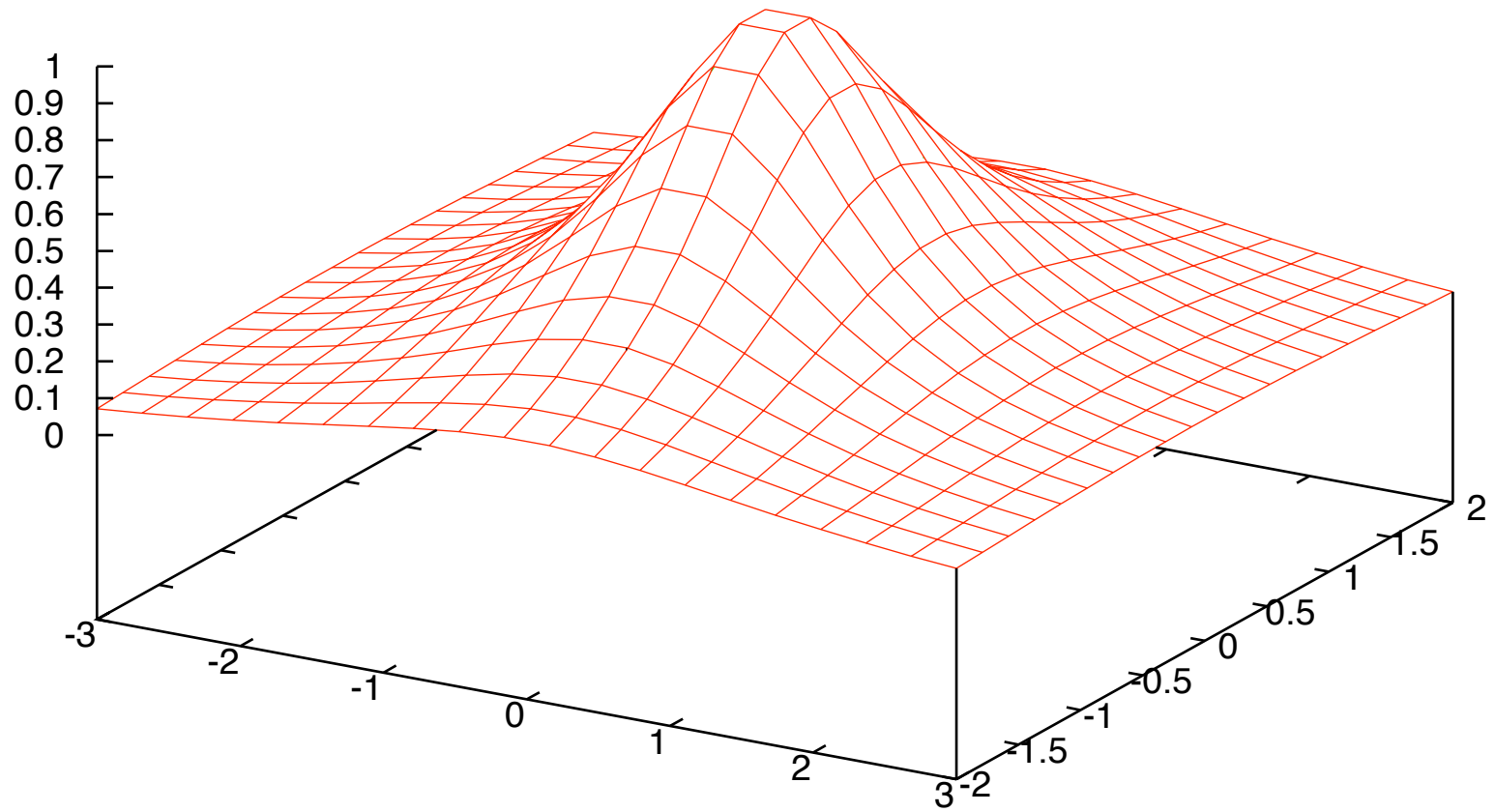


9 incremental contours starting at -20, stepping by 5



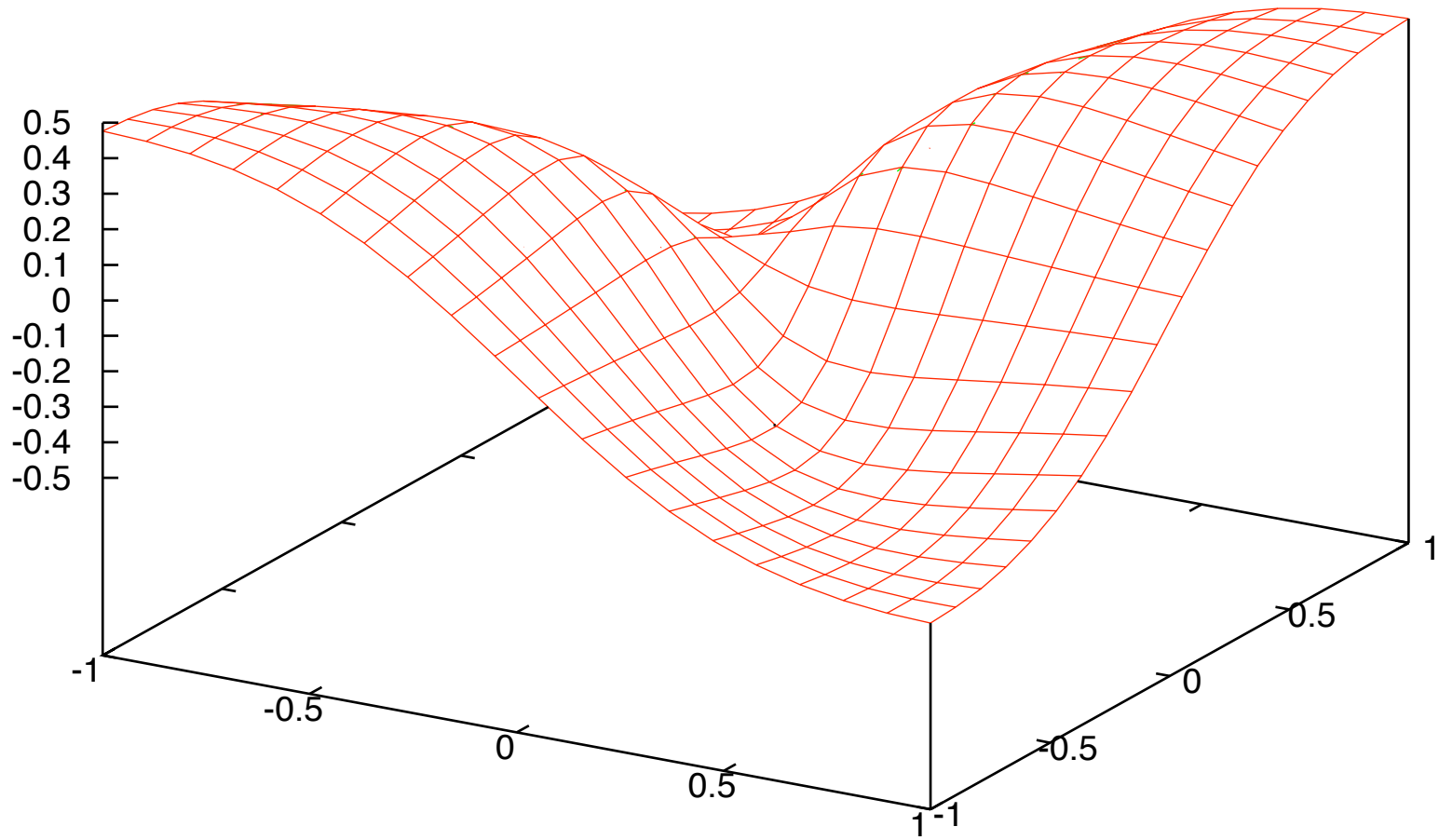
Hidden line removal of explicit surfaces

$$1 / (x^2 + y^2 + 1)$$



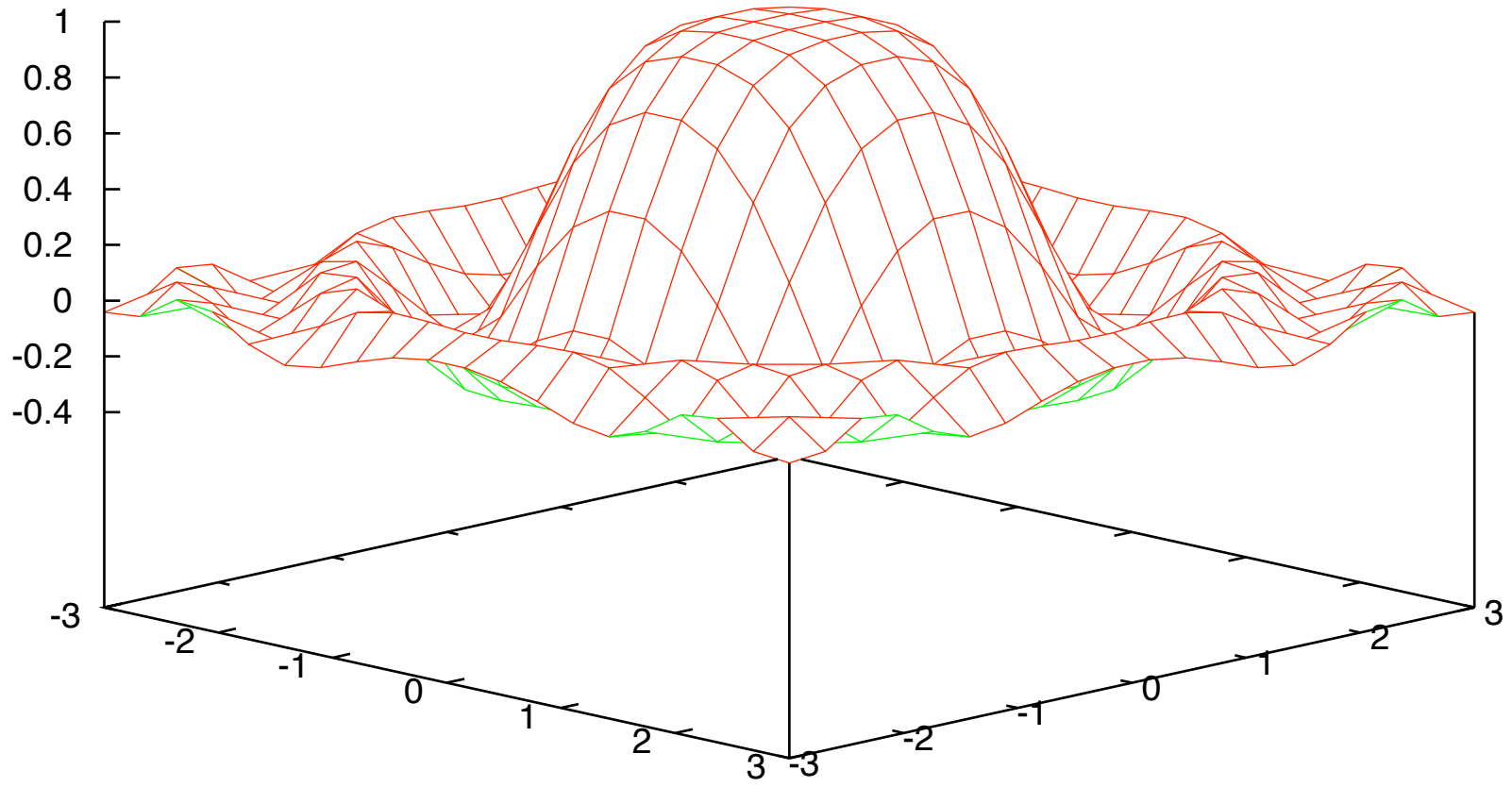
Hidden line removal of explicit surfaces

$$x*y / (x**2 + y**2 + 0.1)$$

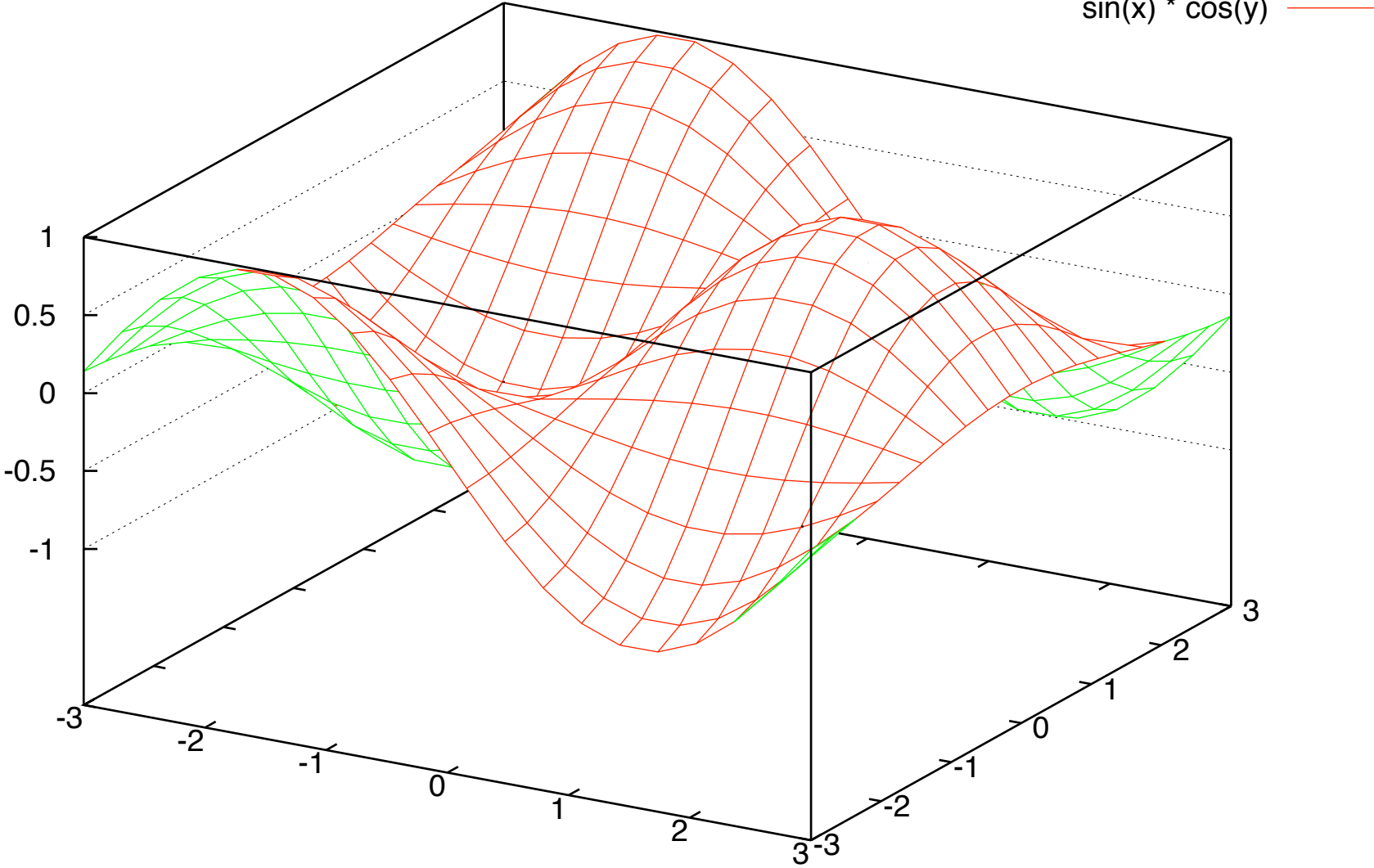


Hidden line removal of explicit surfaces

$$\sin(x^2 + y^2) / (x^2 + y^2)$$

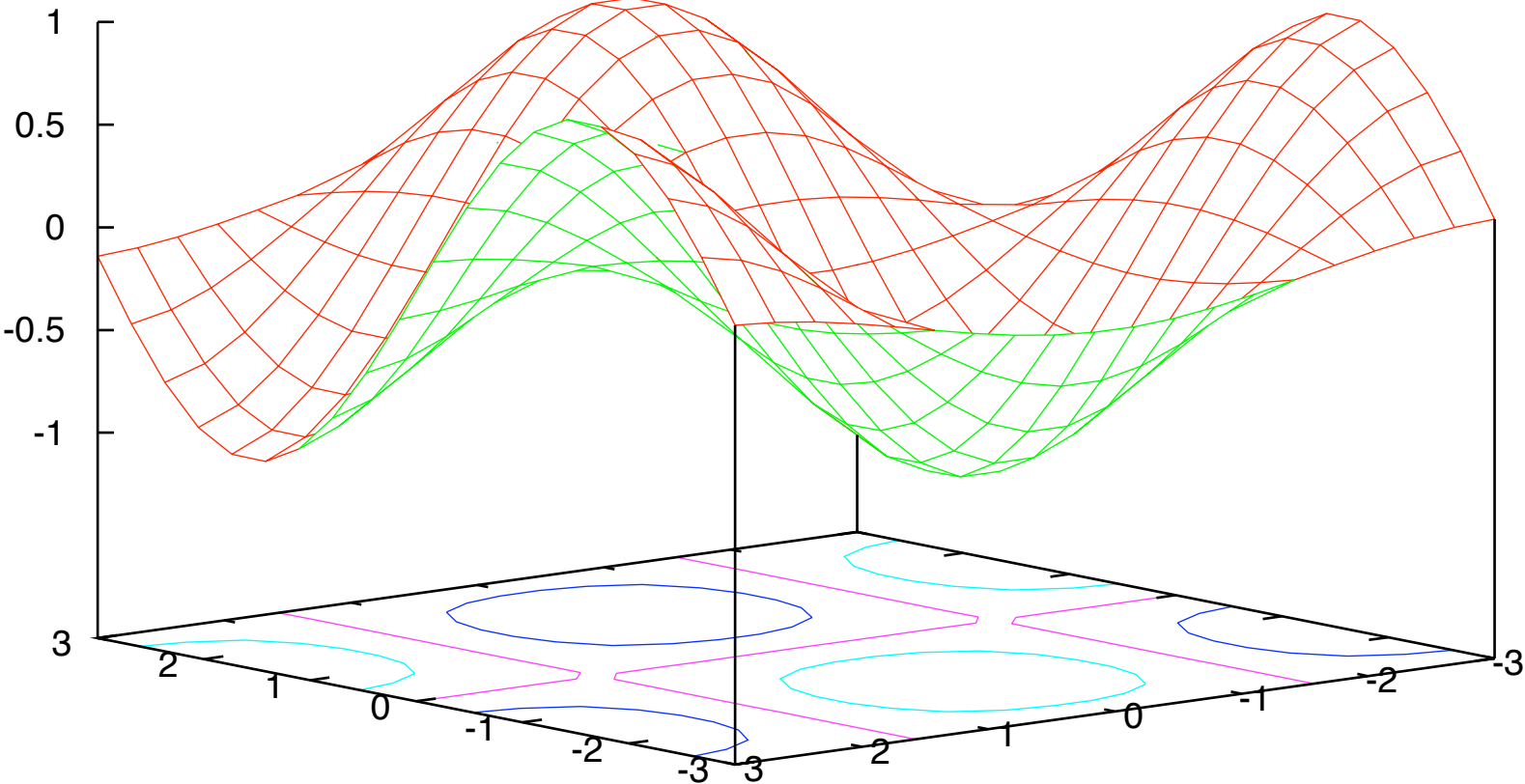


Hidden line removal of explicit surfaces



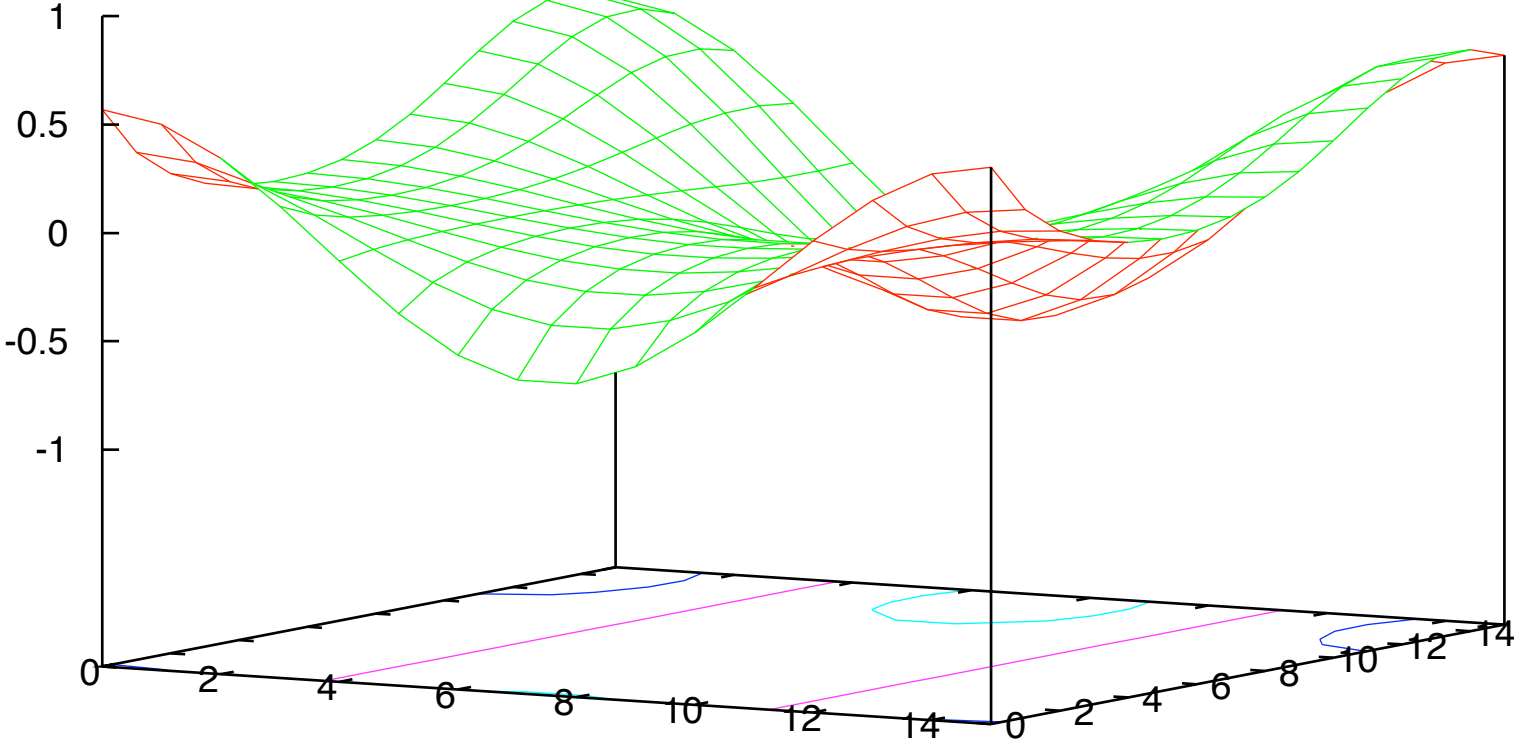
Hidden line removal of explicit surfaces

$\sin(x) * \cos(y)$ ———
0.5 ———
0 ———
-0.5 ———

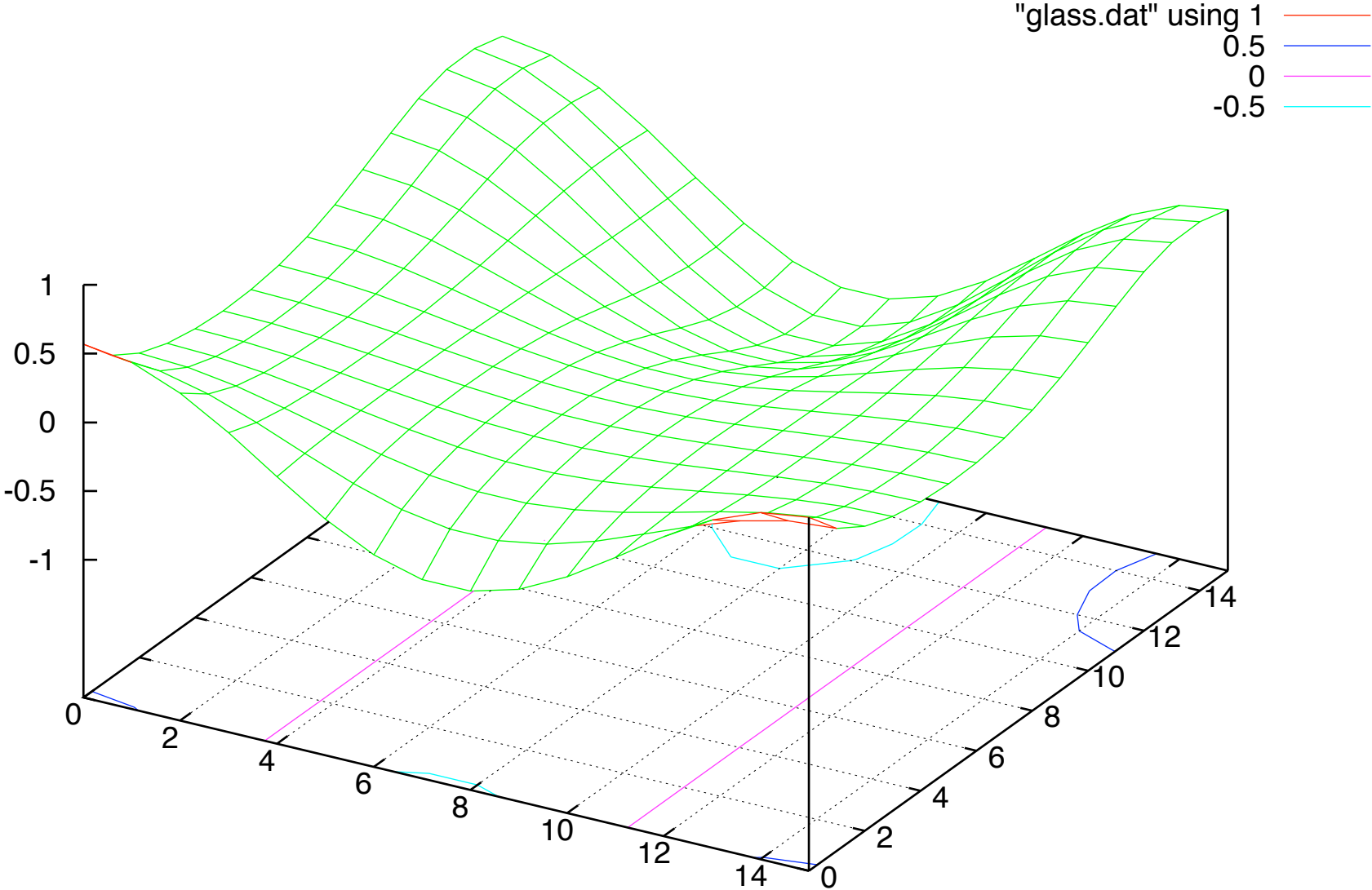


Hidden line removal of explicit surfaces

"glass.dat" using 1
0.5
0
-0.5



Hidden line removal of explicit surfaces

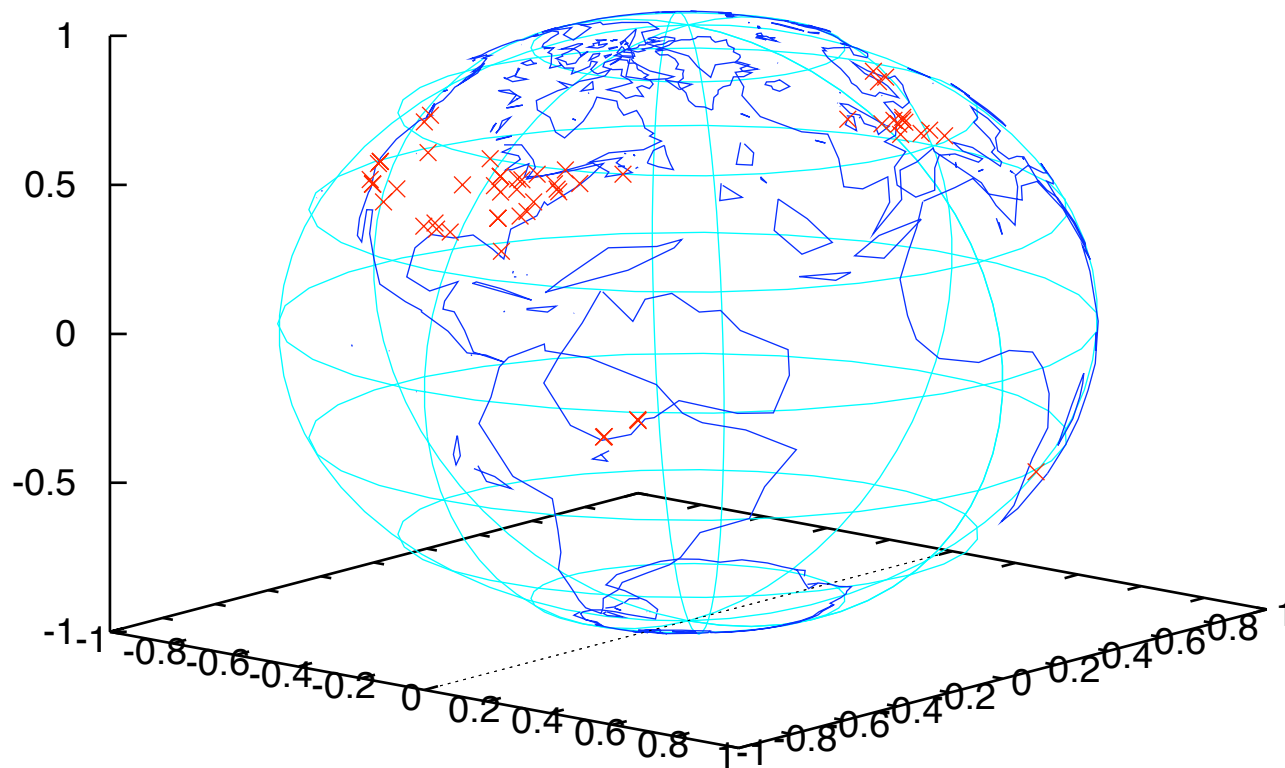


Gnuplot Correspondences

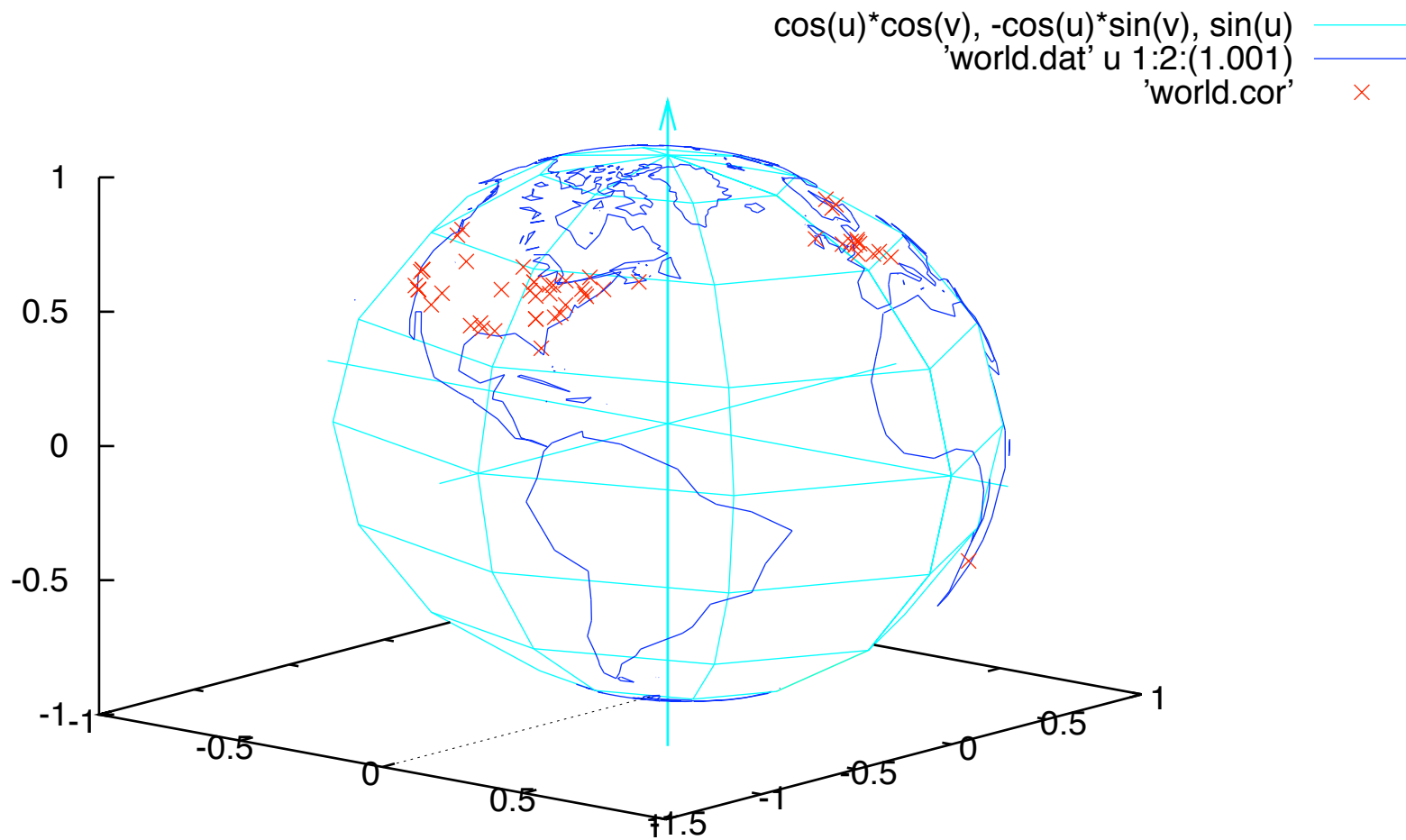


3D version using spherical coordinate system

$\cos(u)*\cos(v)$, $\cos(u)*\sin(v)$, $\sin(u)$ ————
'world.dat' ————
'world.cor' ×

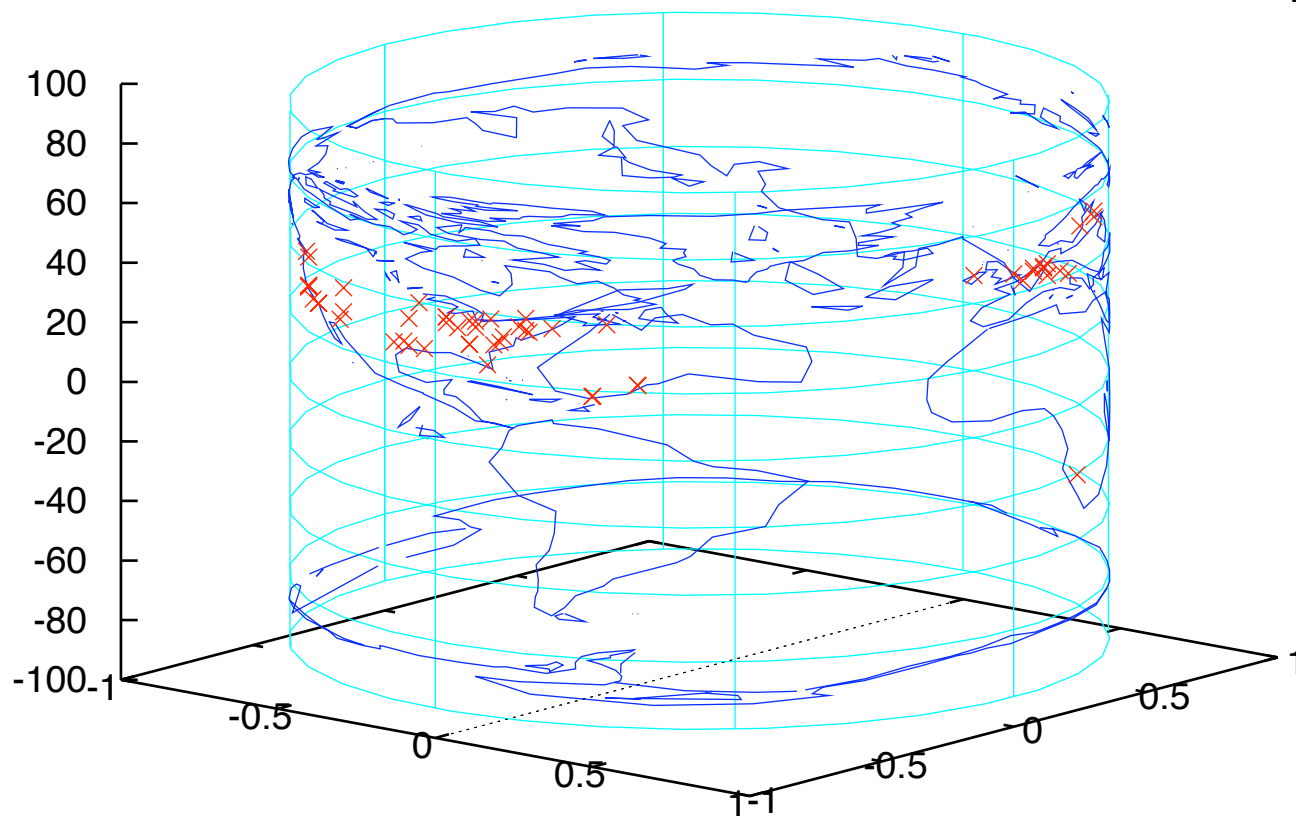


3D solid version through hiddenlining

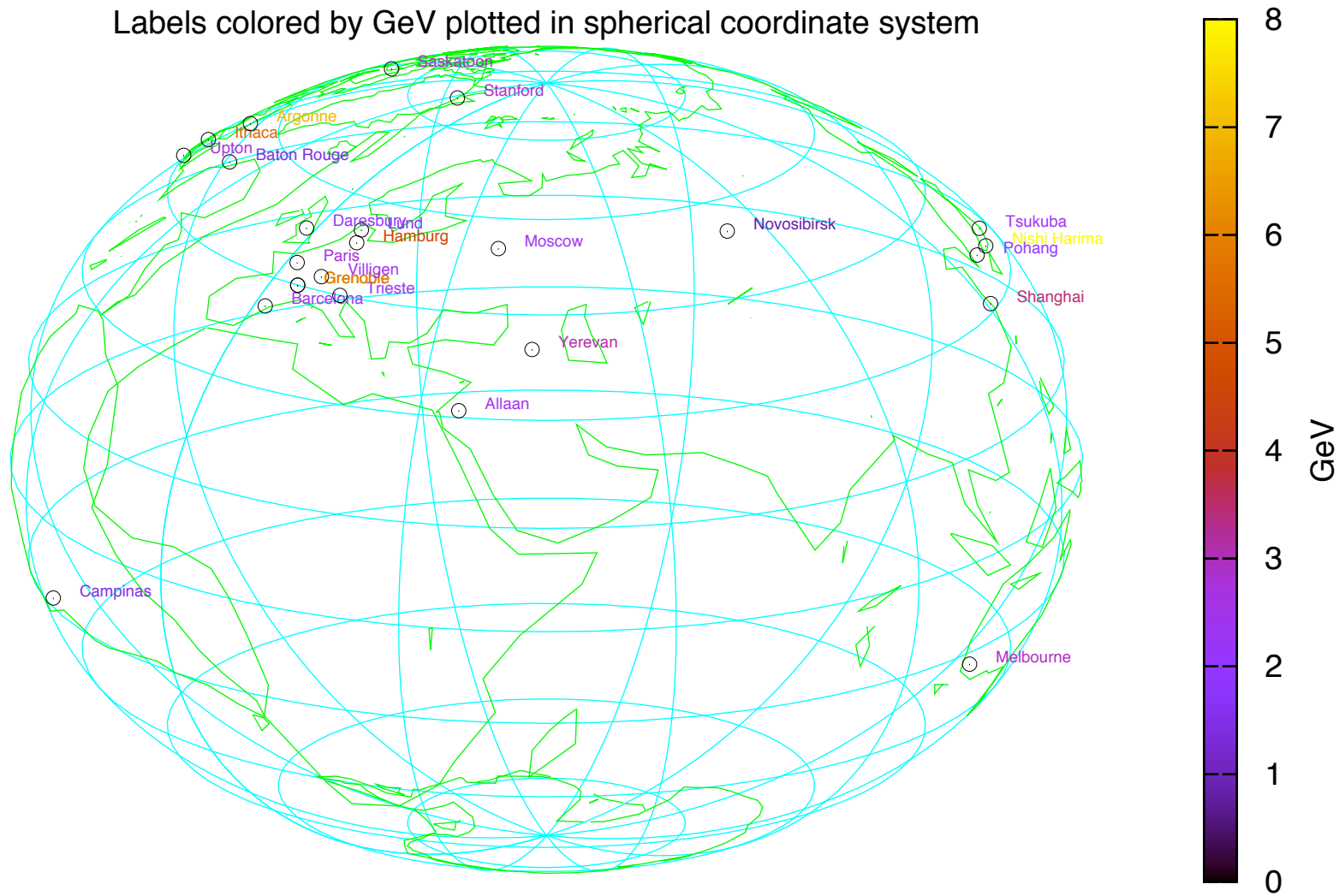


3D version using cylindrical coordinate system

cos(u), sin(u), v ———
'world.dat' ———
'world.cor' ×



Labels colored by GeV plotted in spherical coordinate system



Labels with hidden line removal



GeV

8

7

6

5

4

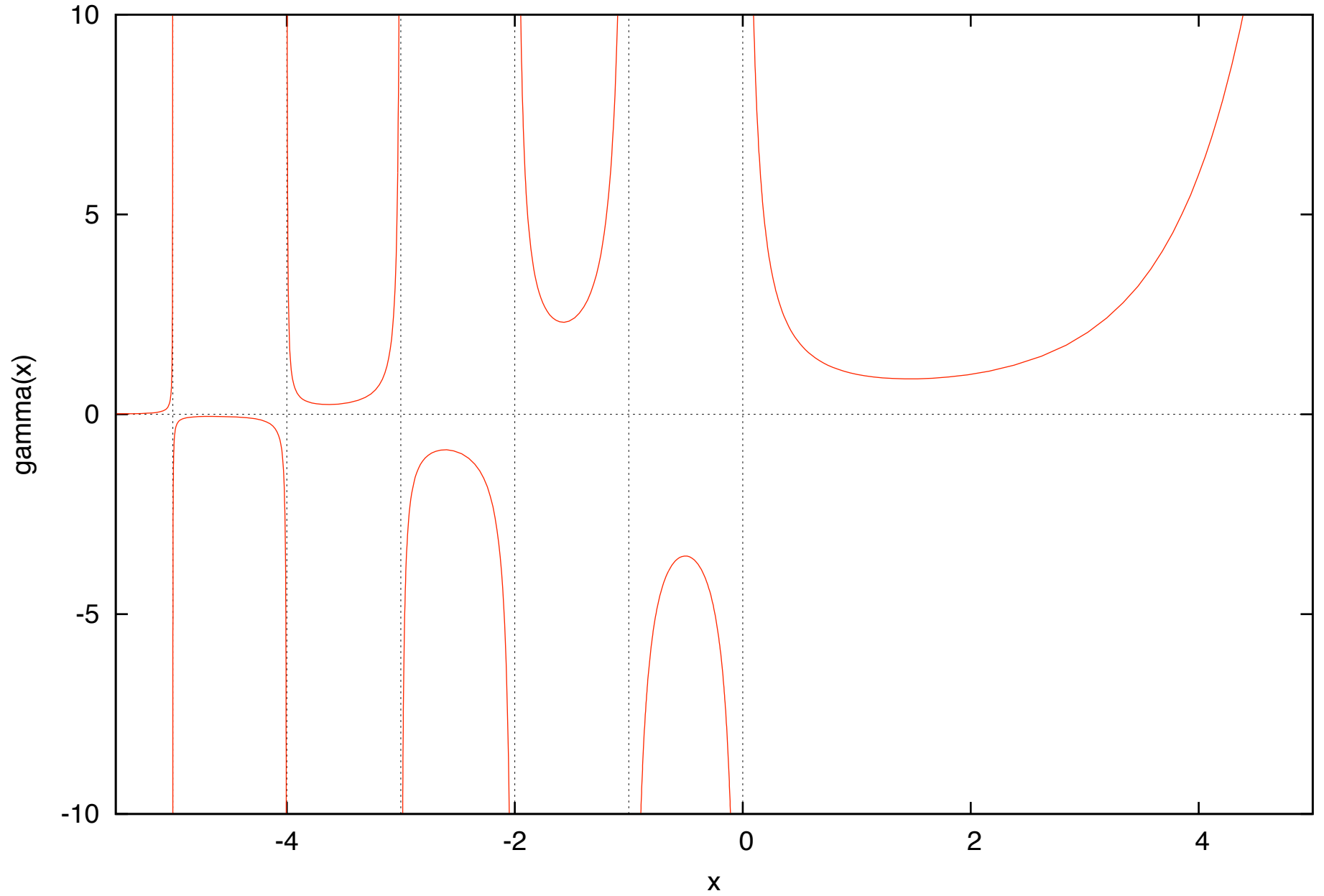
3

2

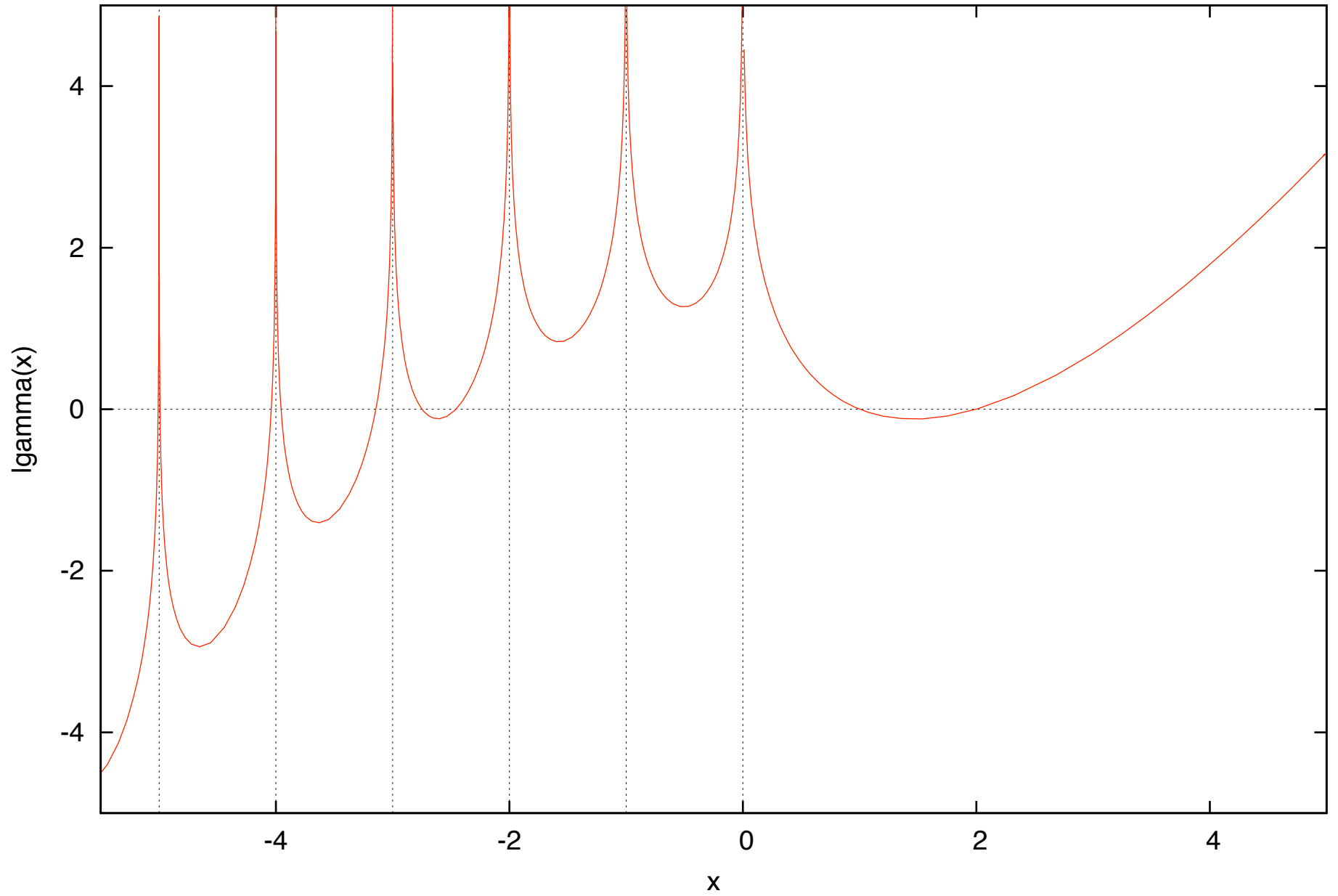
1

0

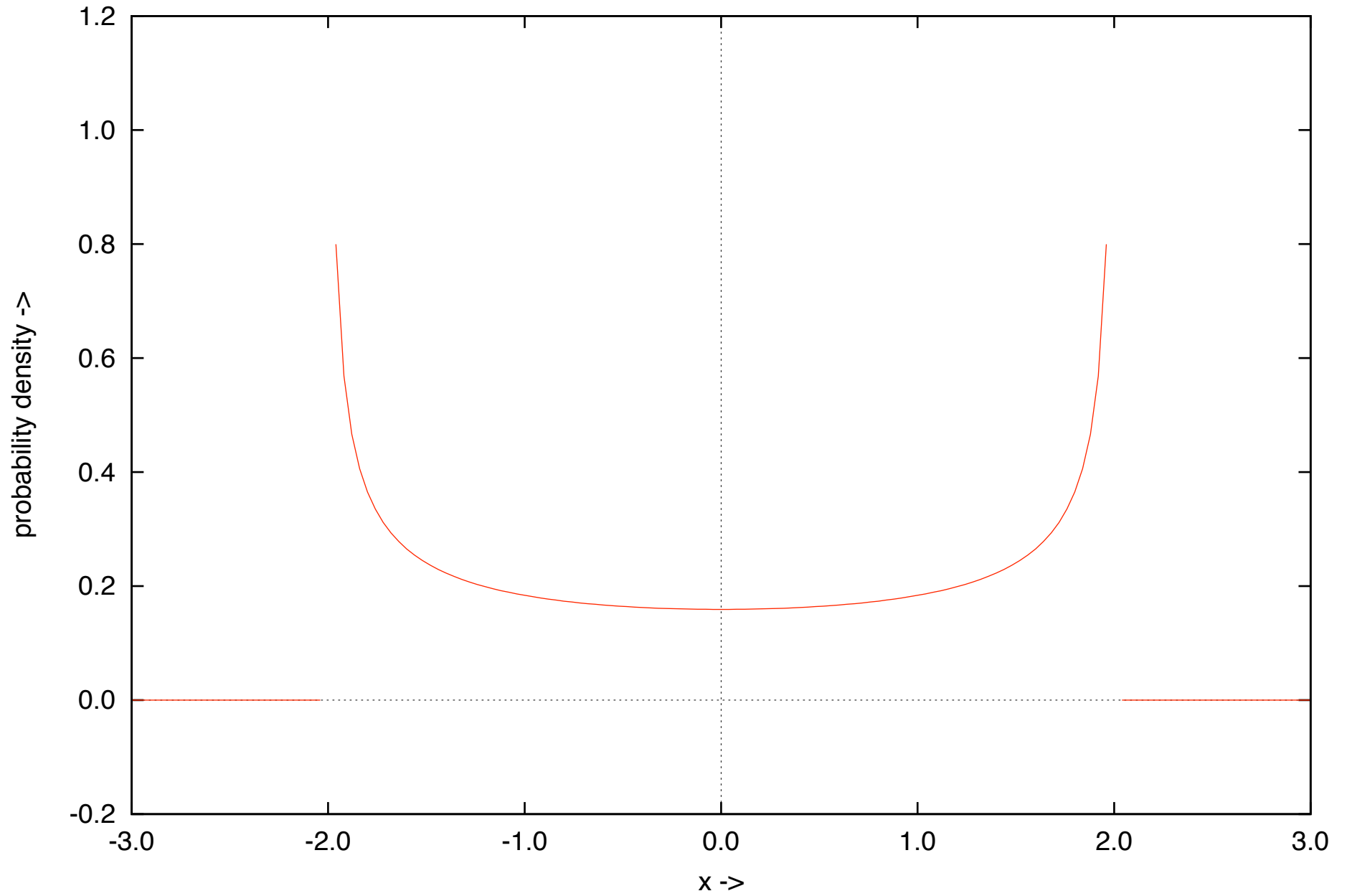
gamma function, very useful function for probability



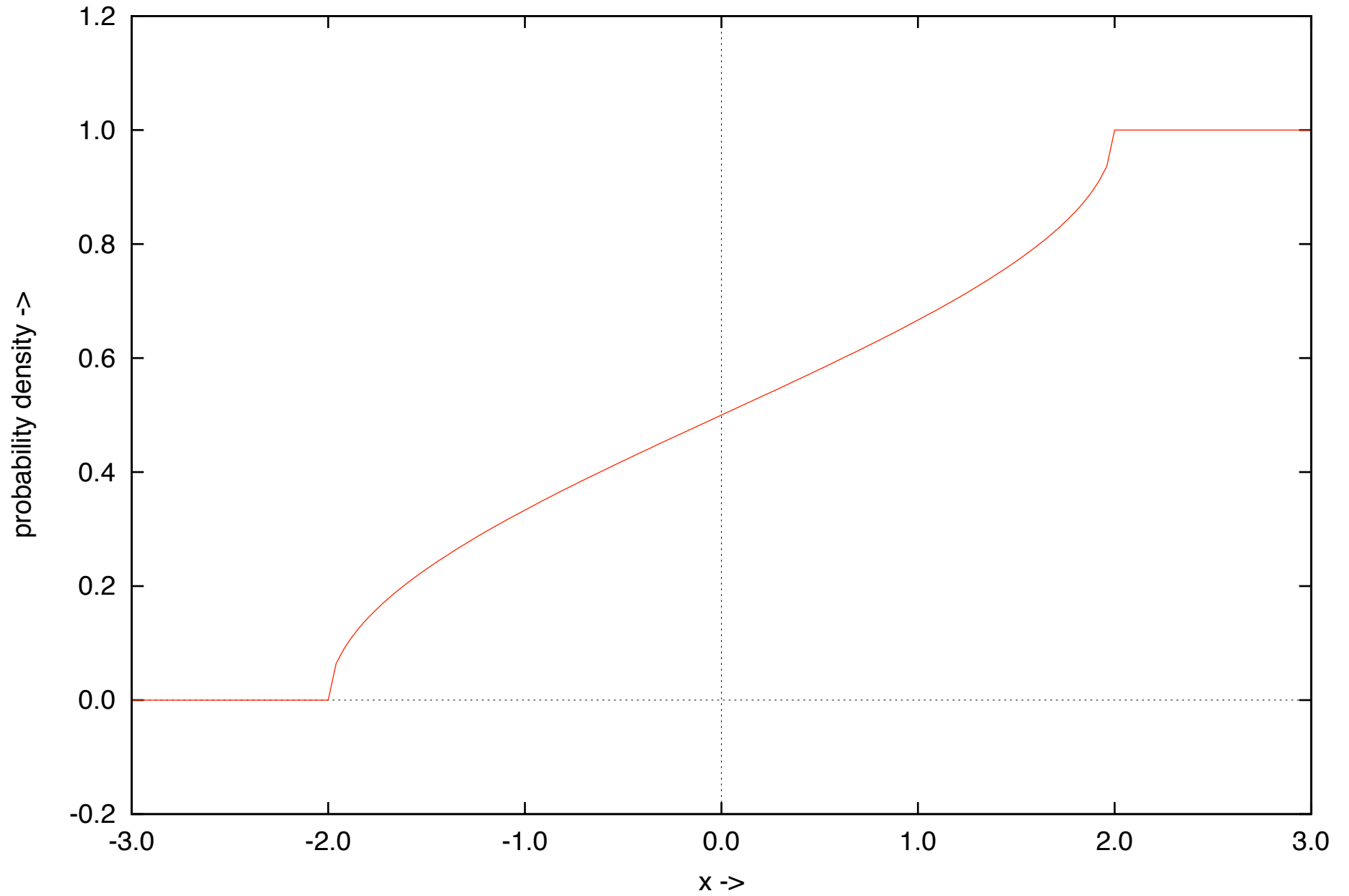
log gamma function, similarly very useful function



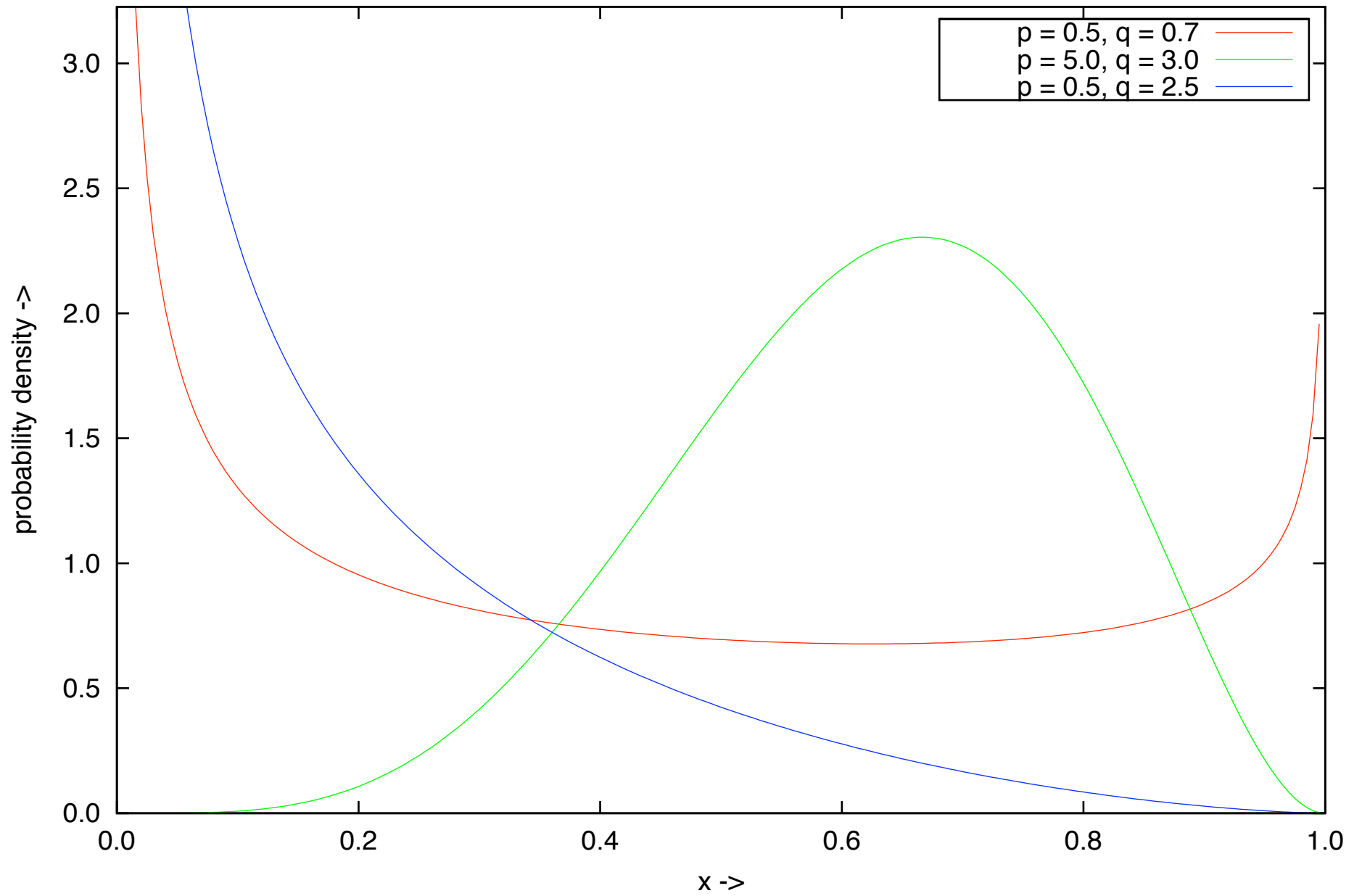
arcsin PDF with $r = 2.0$



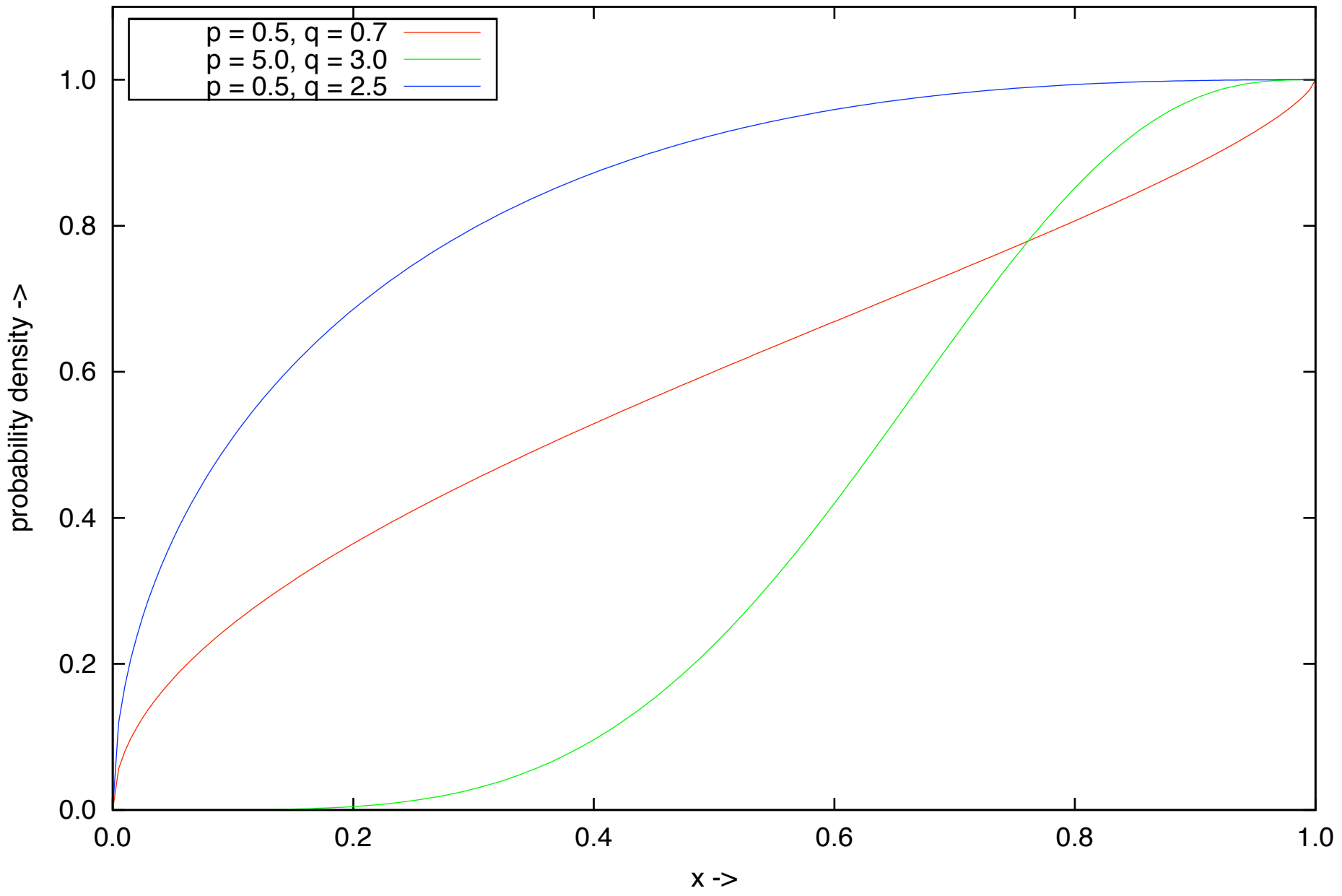
arcsin CDF with $r = 2.0$



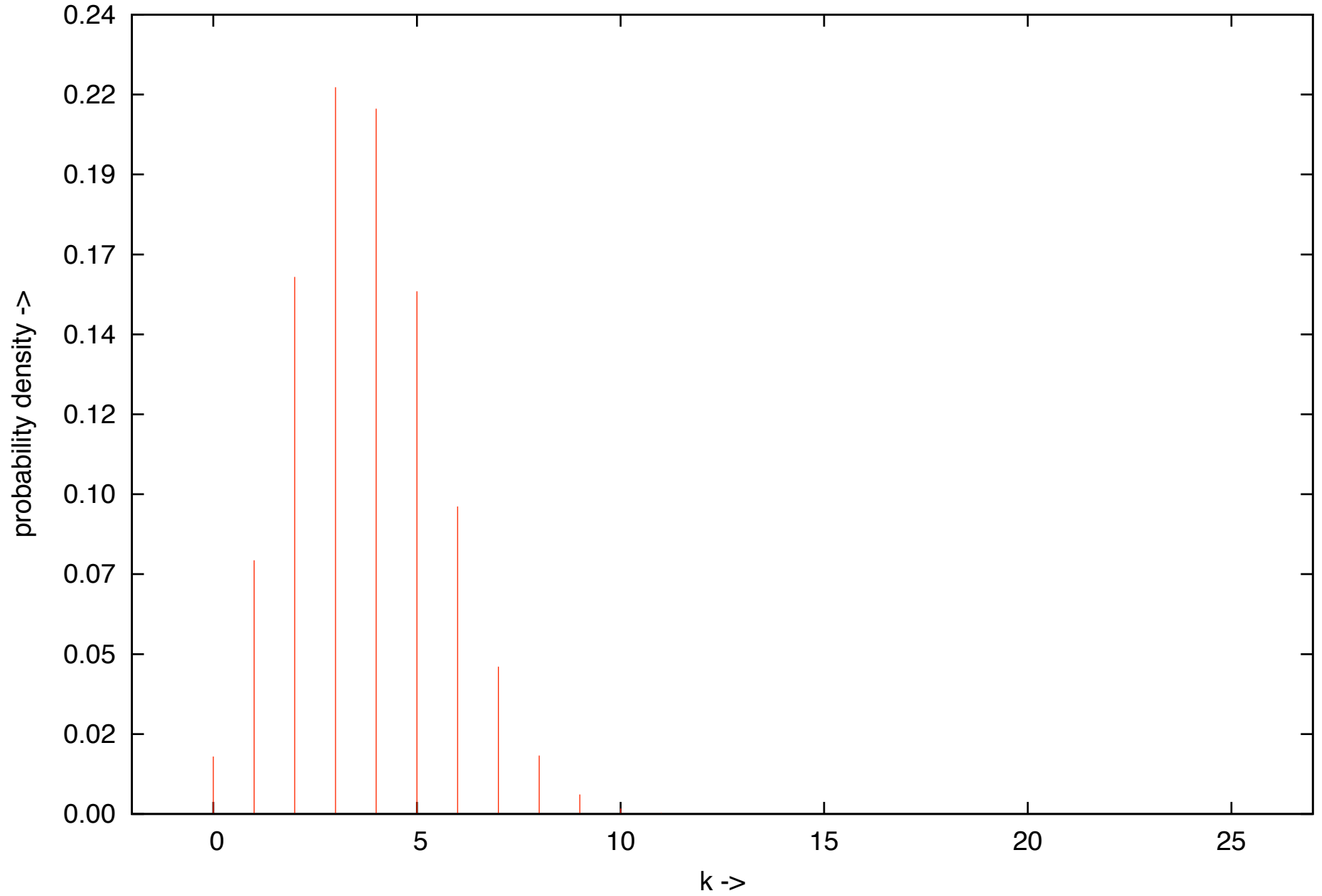
beta PDF



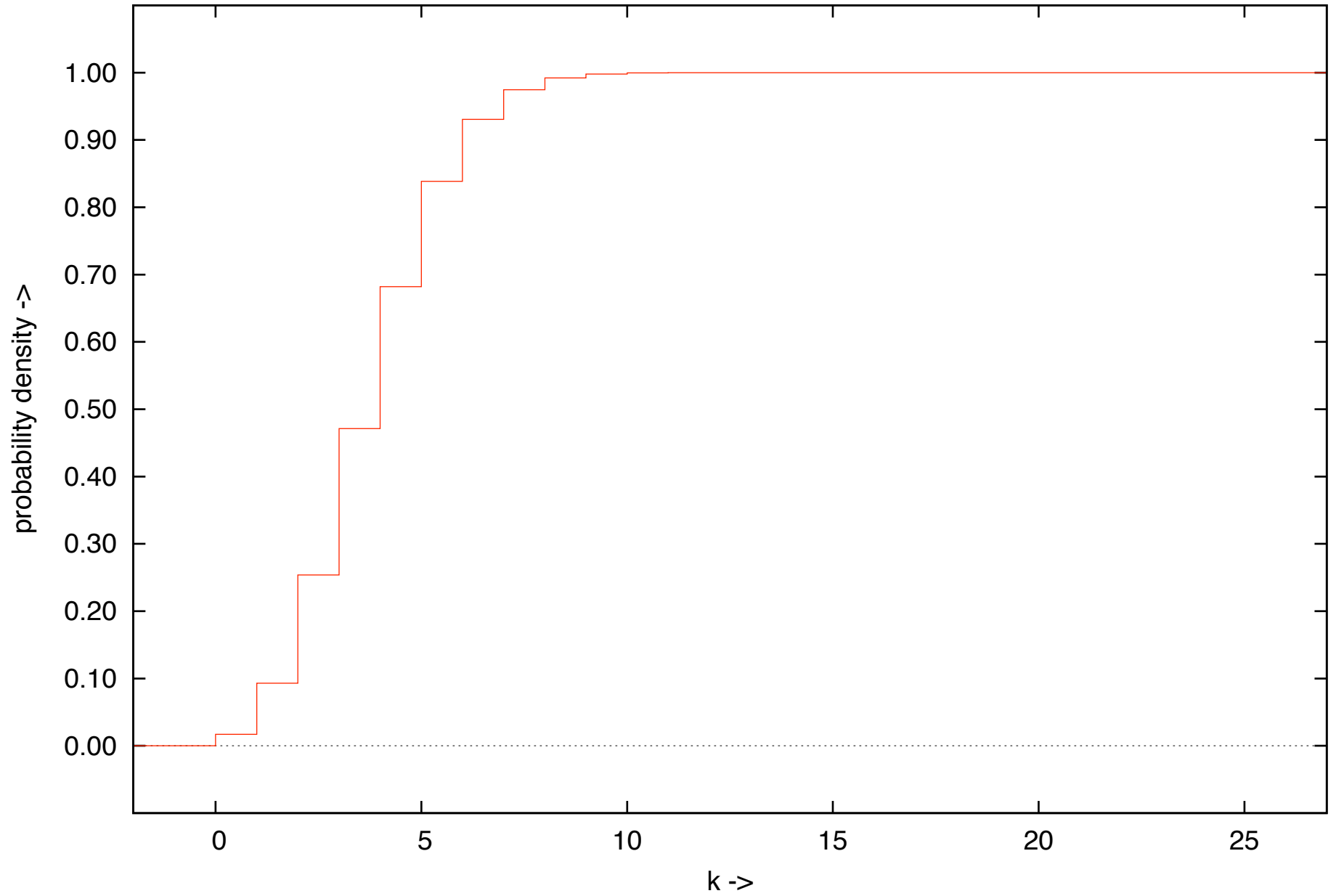
incomplete beta CDF



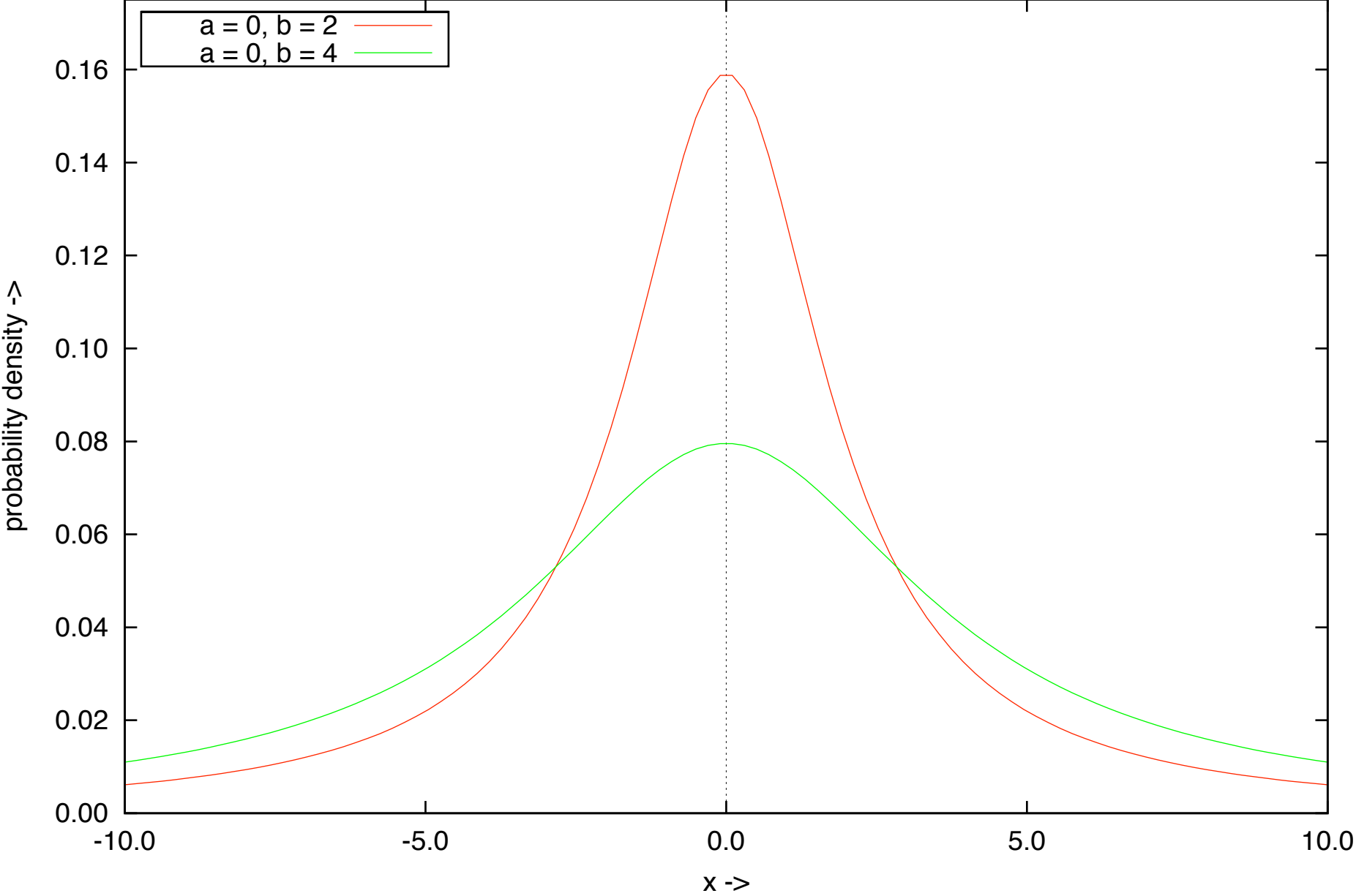
binomial PDF with $n = 25$, $p = 0.15$



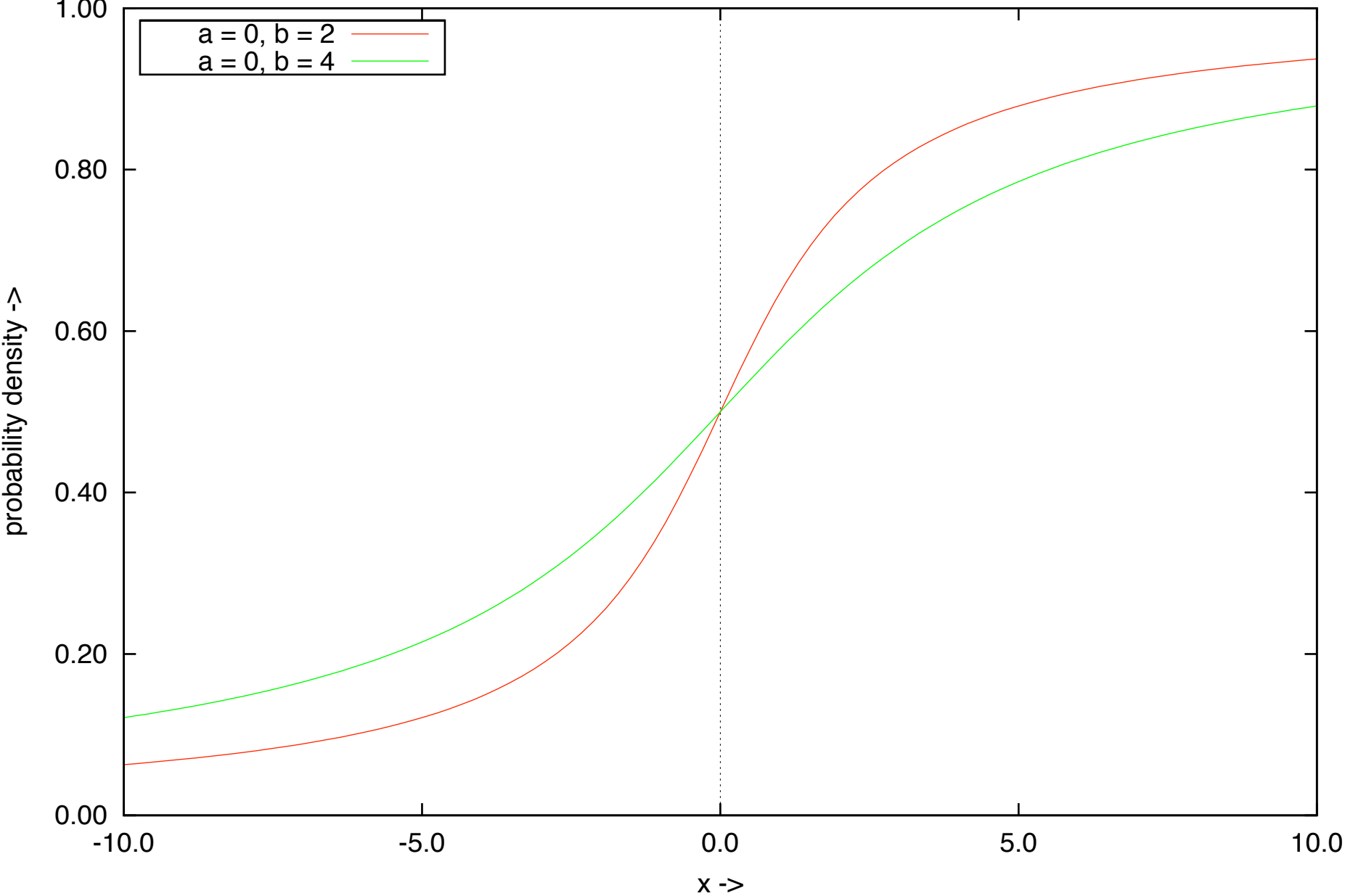
binomial CDF with $n = 25$, $p = 0.15$



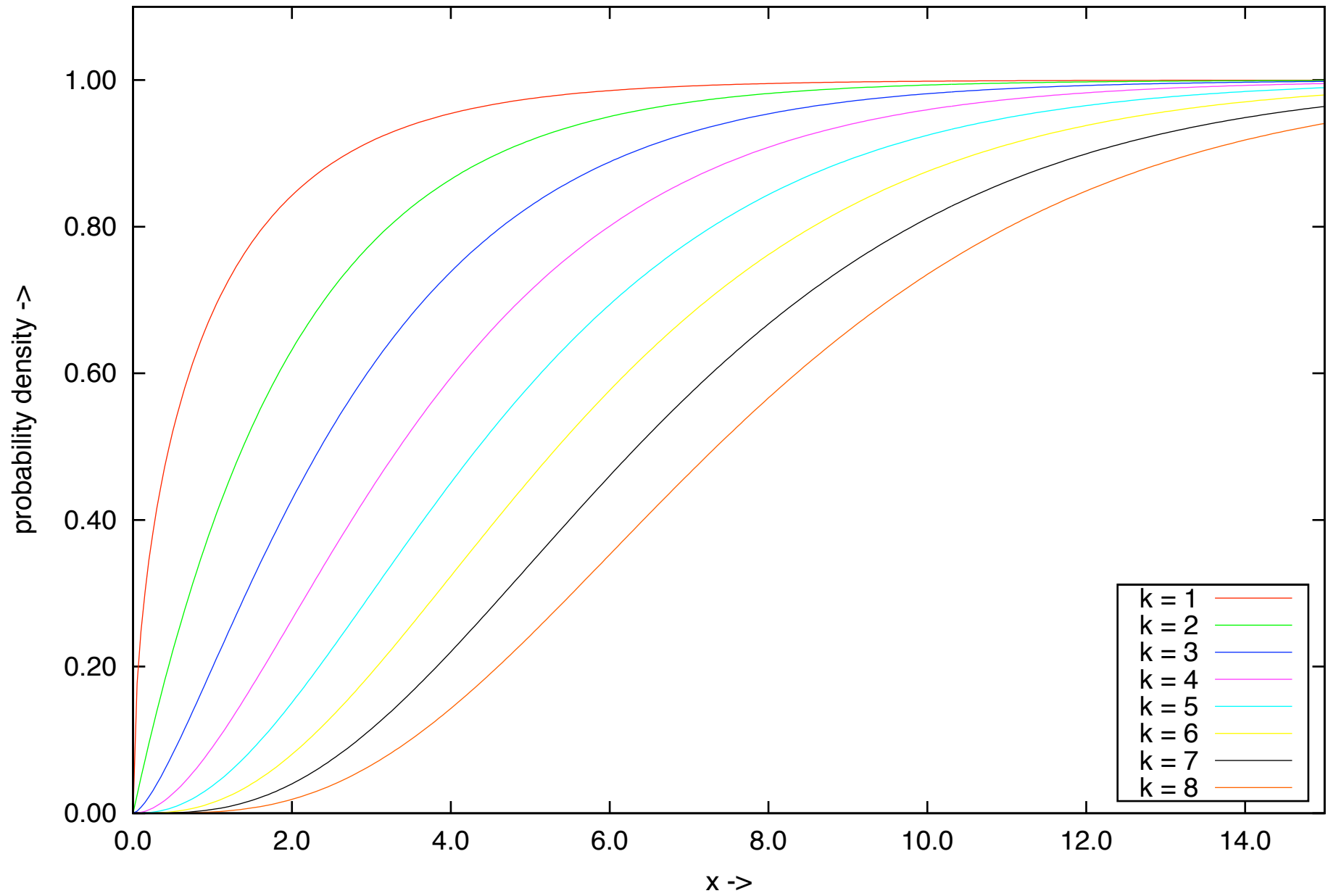
cauchy PDF



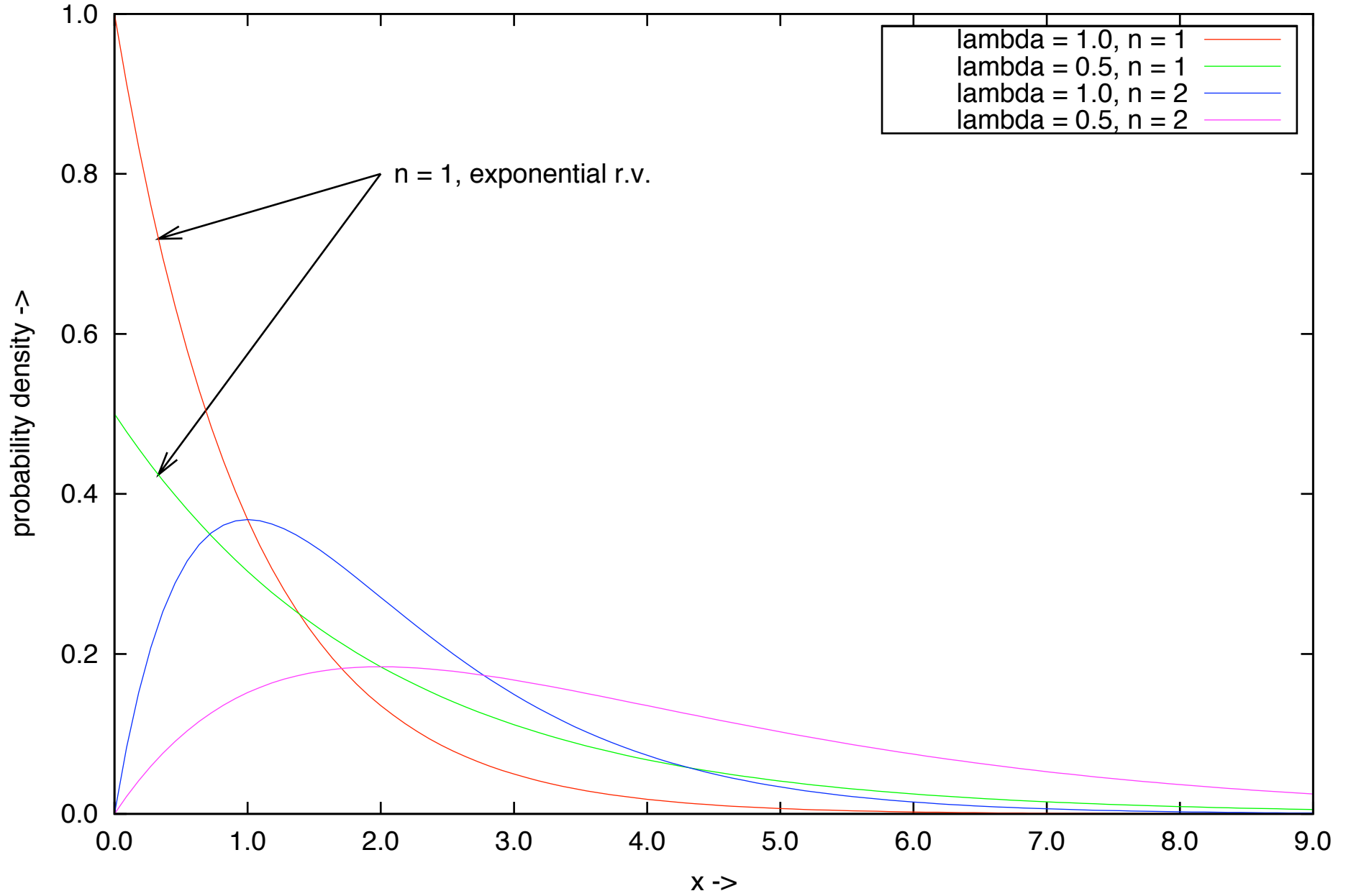
cauchy CDF



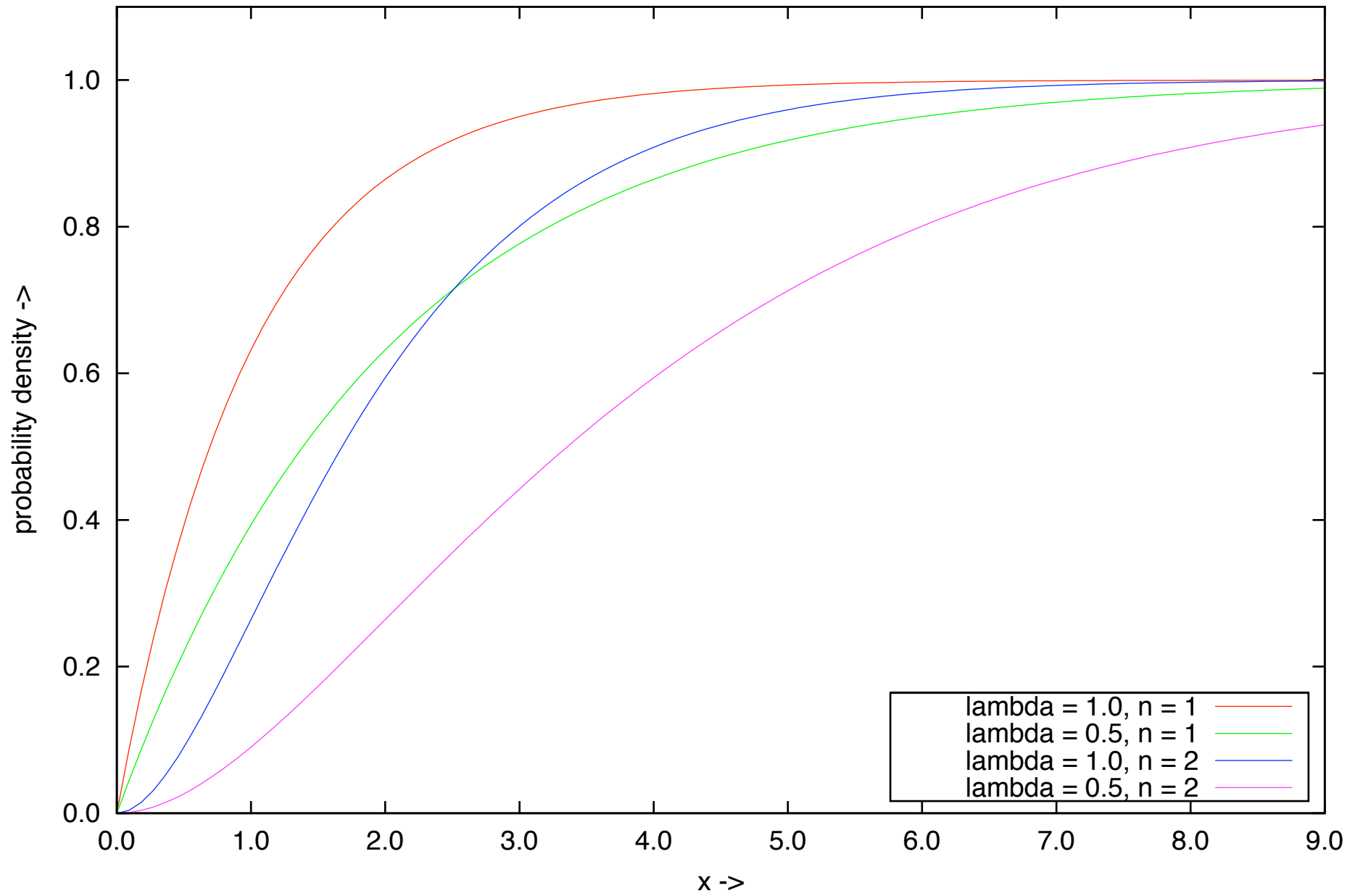
chi-square CDF



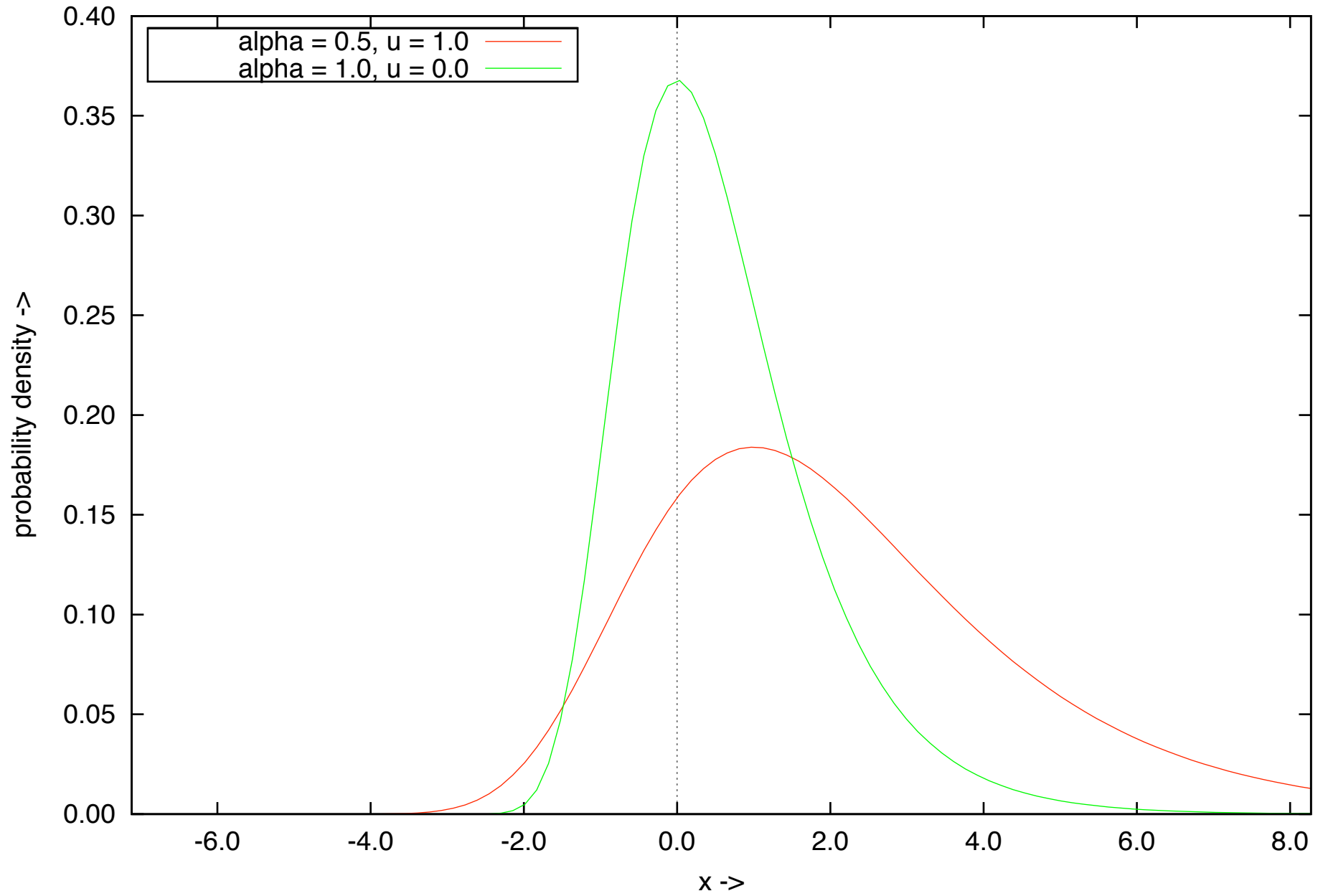
erlang PDF



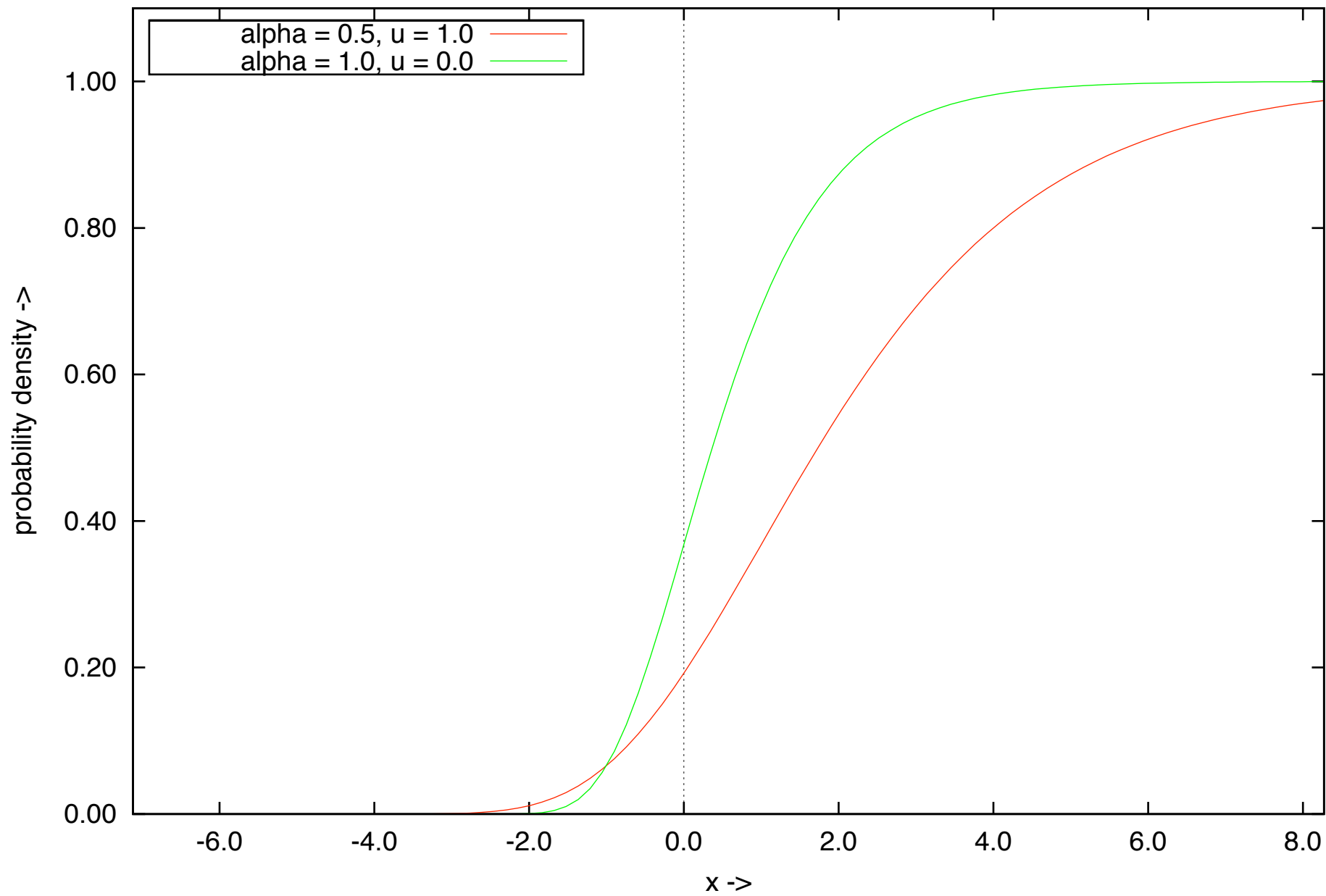
erlang CDF



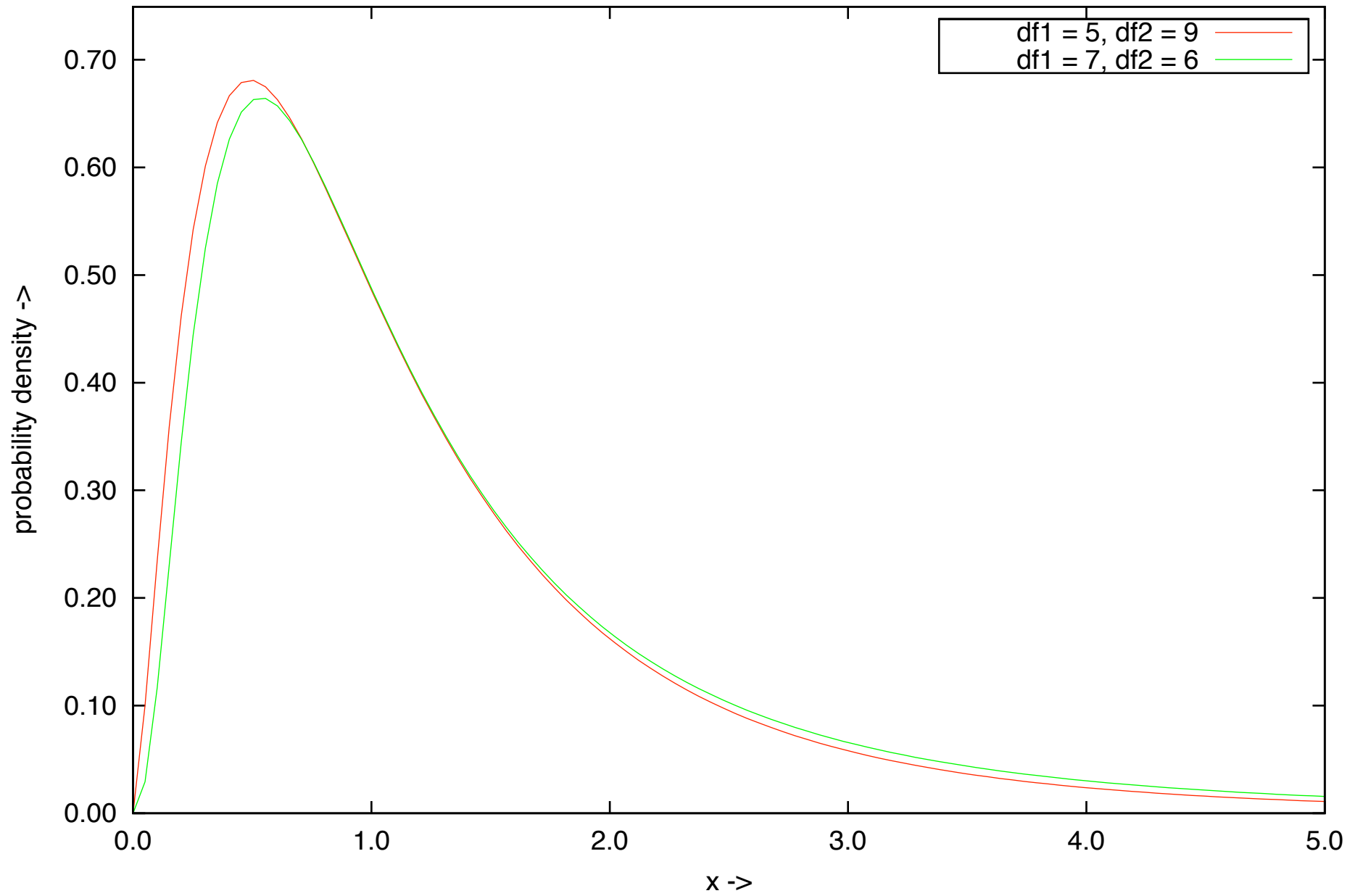
extreme PDF



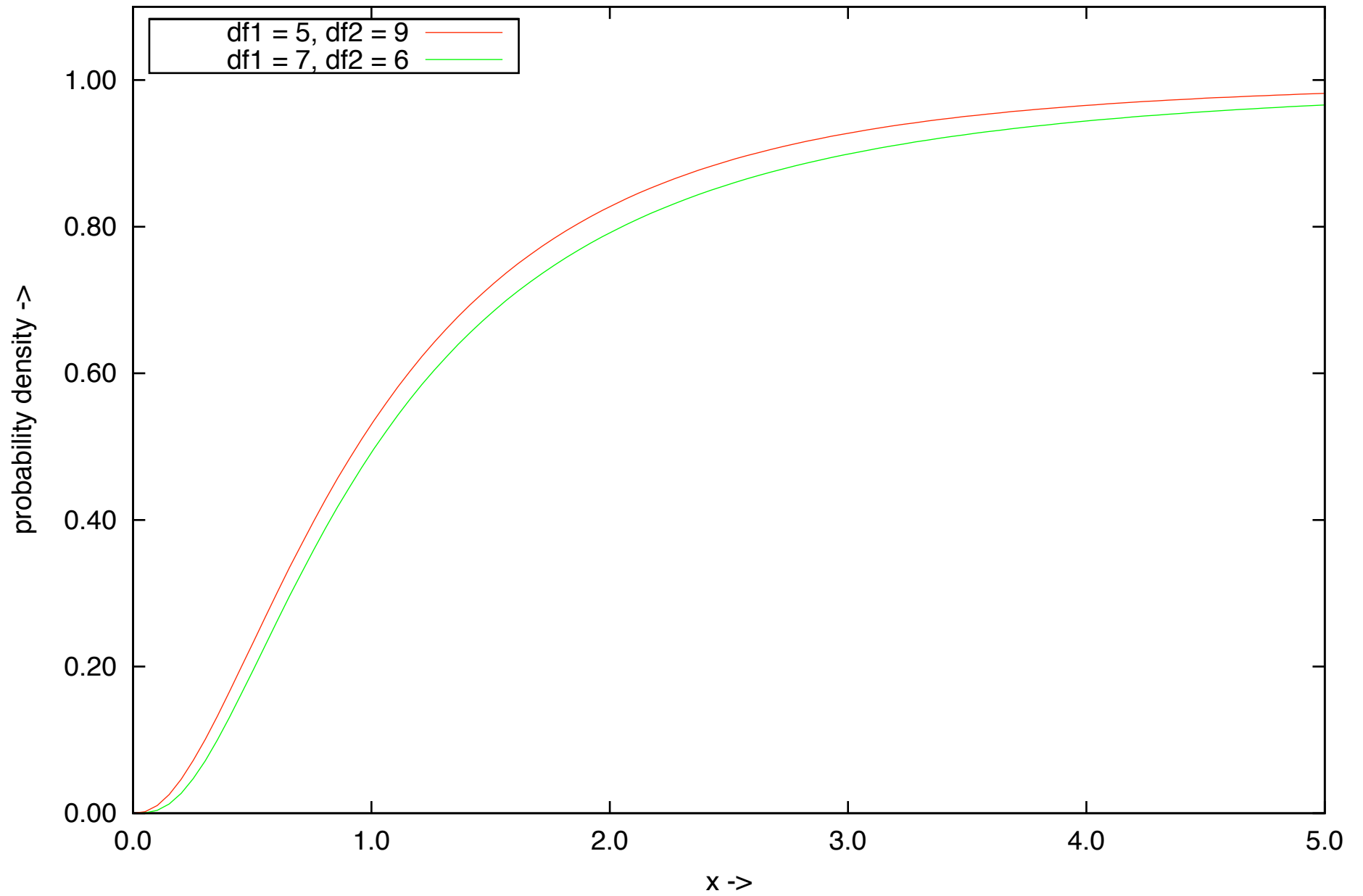
extreme CDF



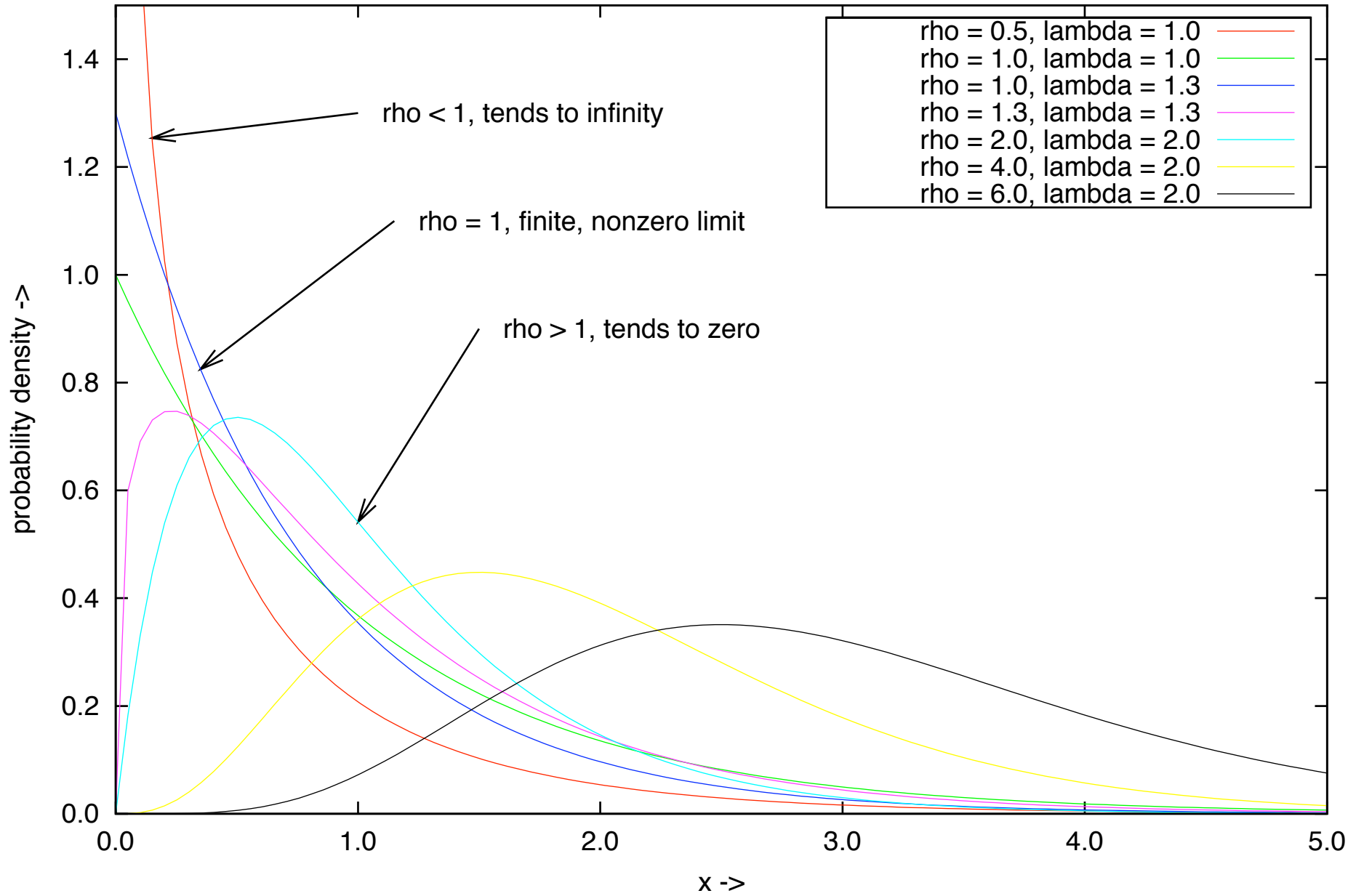
F PDF



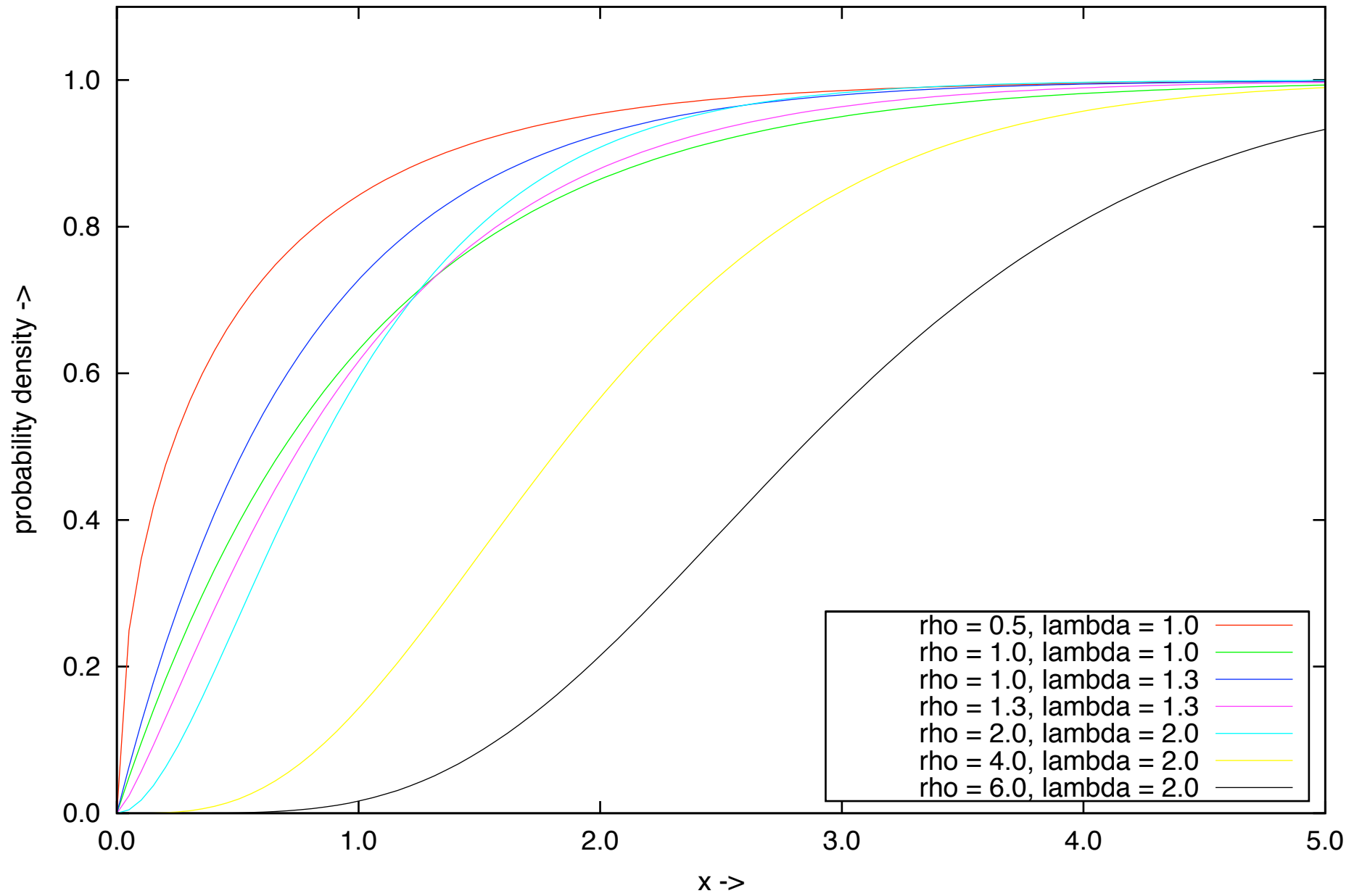
F CDF



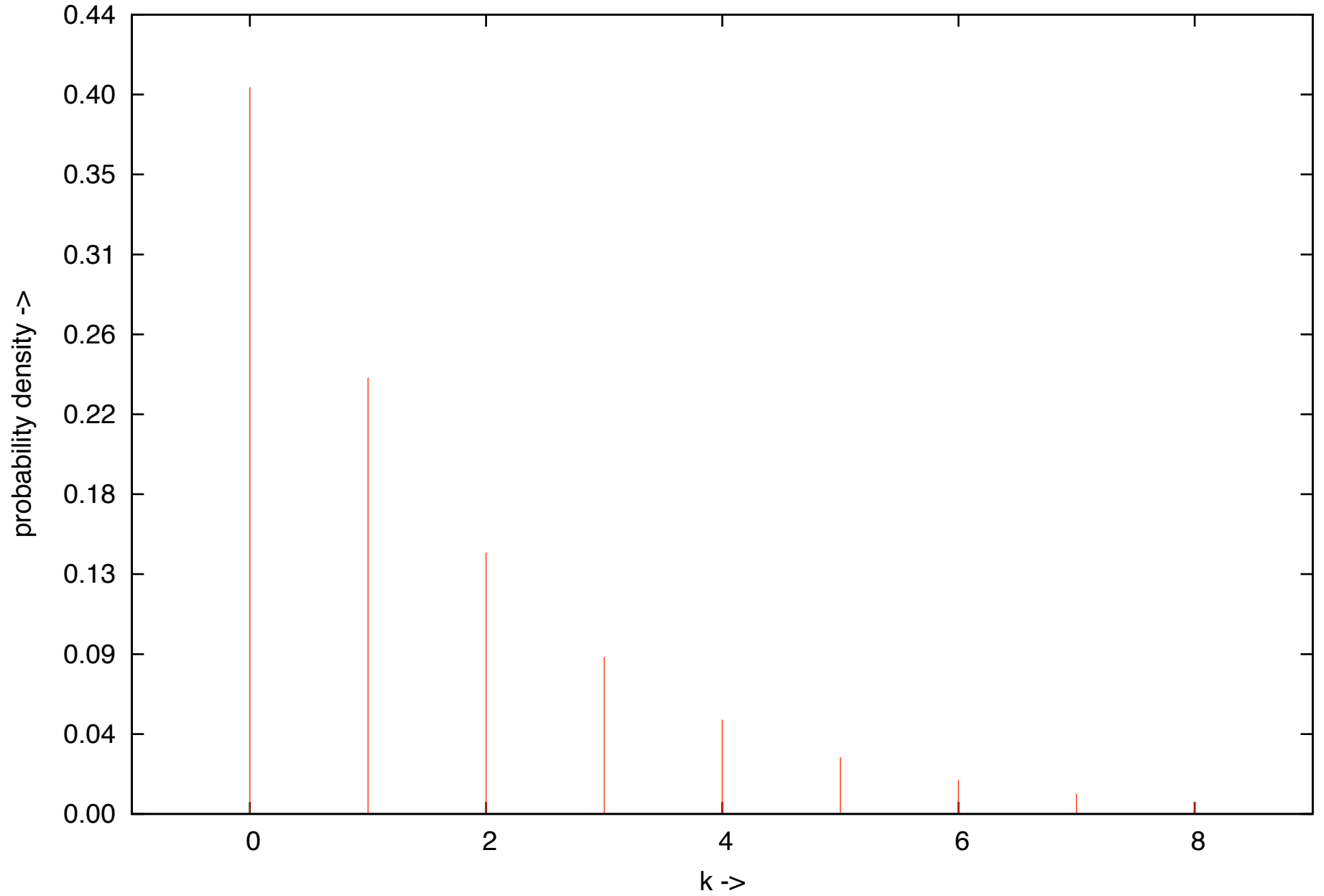
gamma PDF



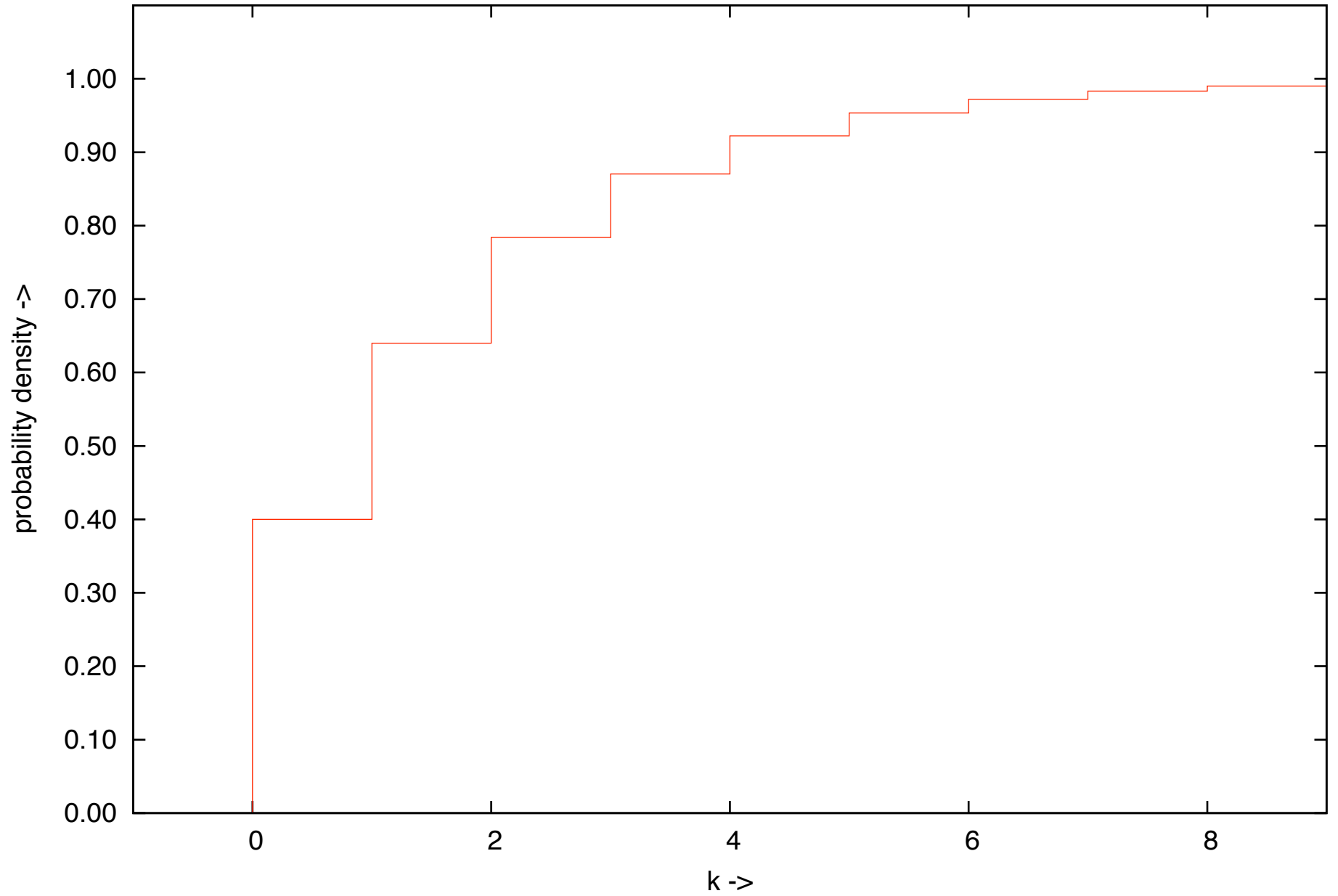
incomplete gamma CDF



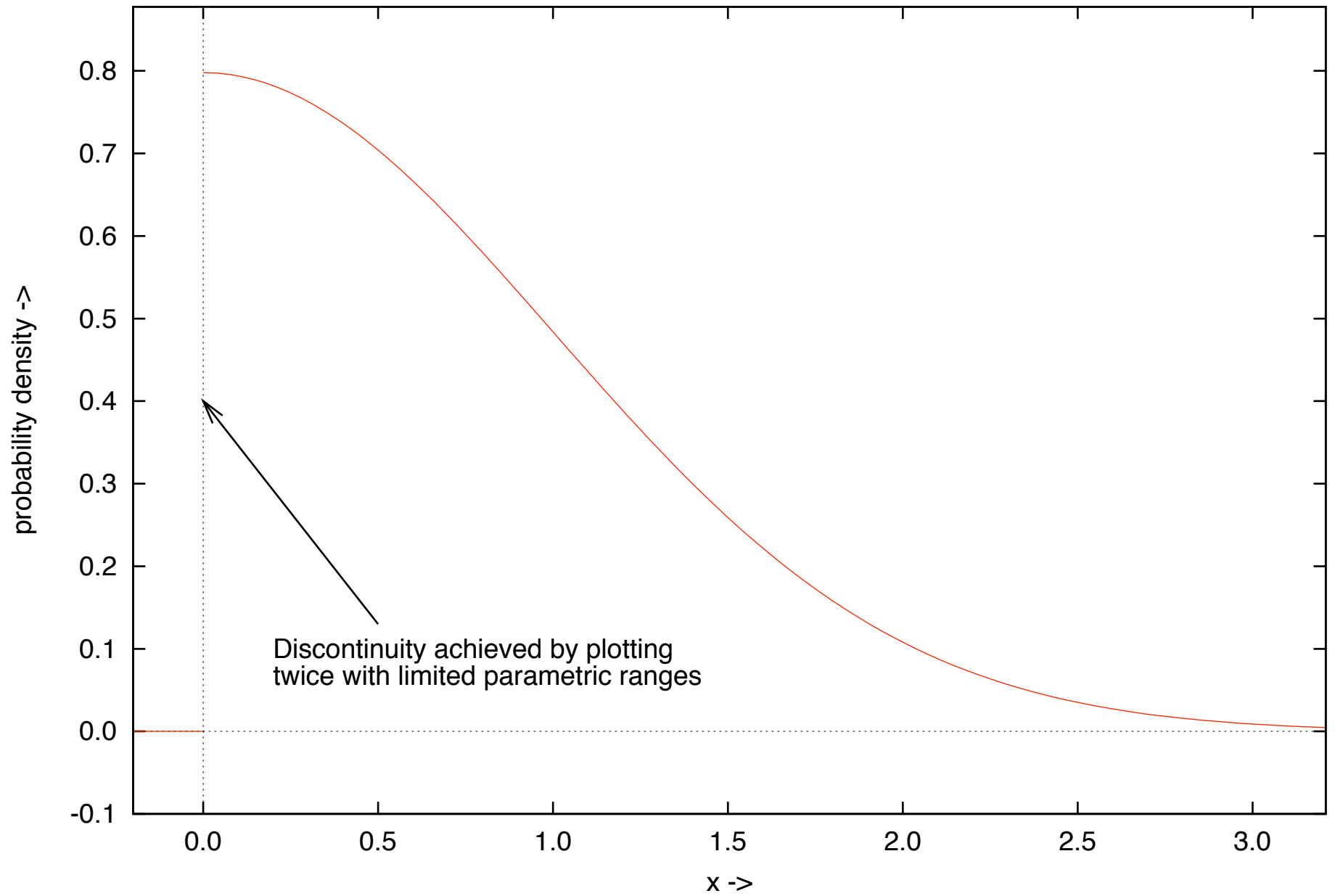
geometric PDF with $p = 0.4$



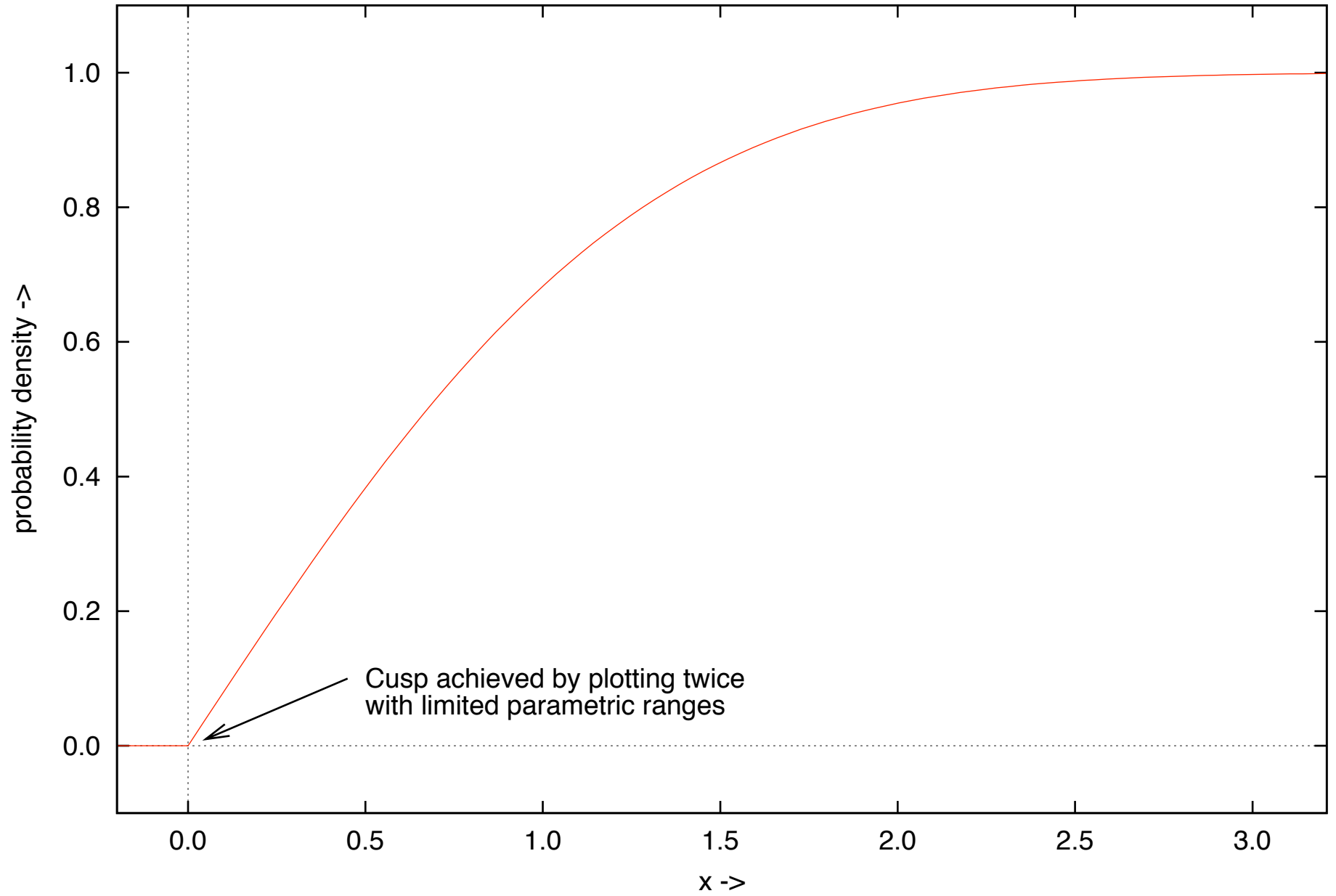
geometric CDF with $p = 0.4$



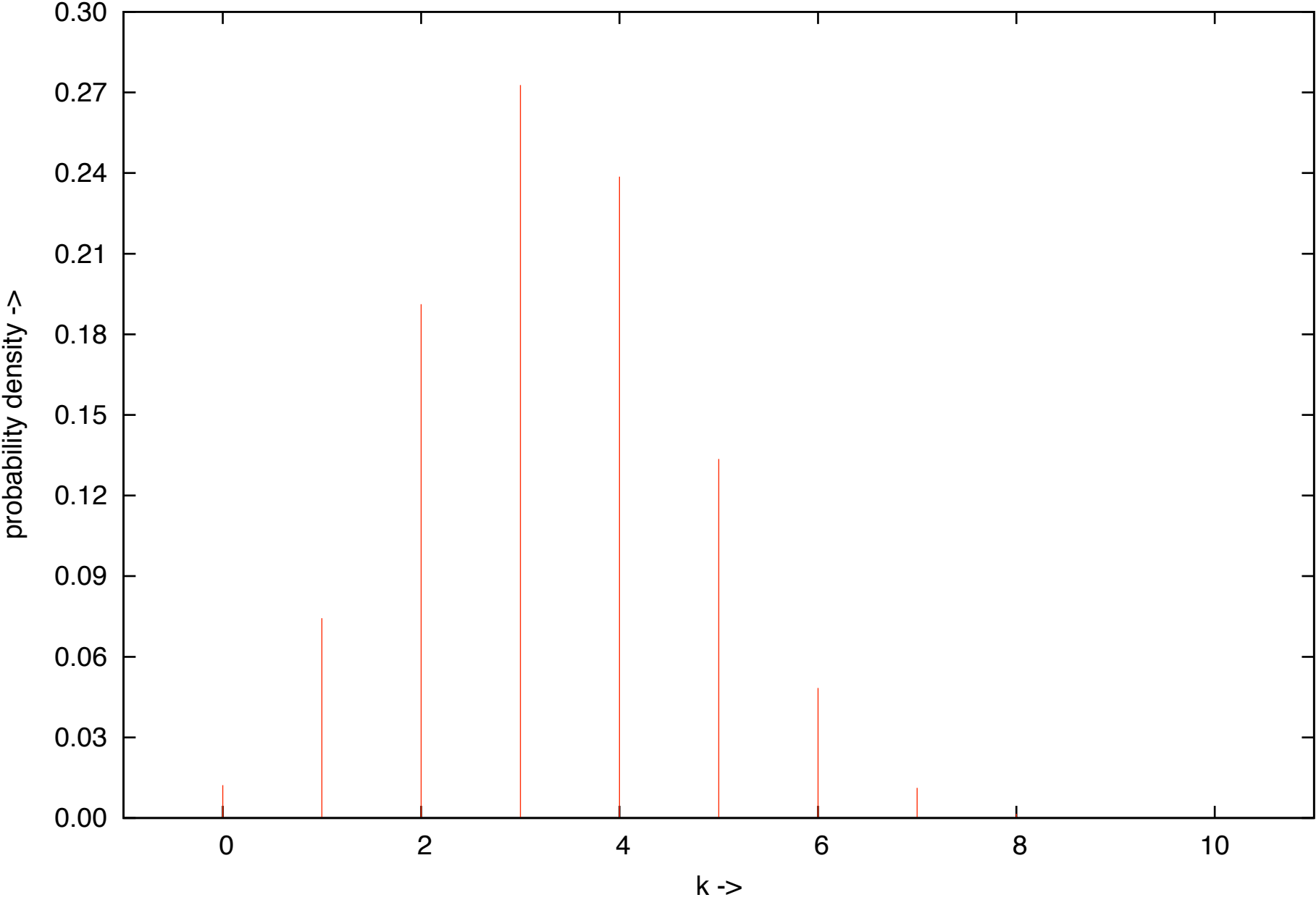
half normal PDF, sigma = 1.0



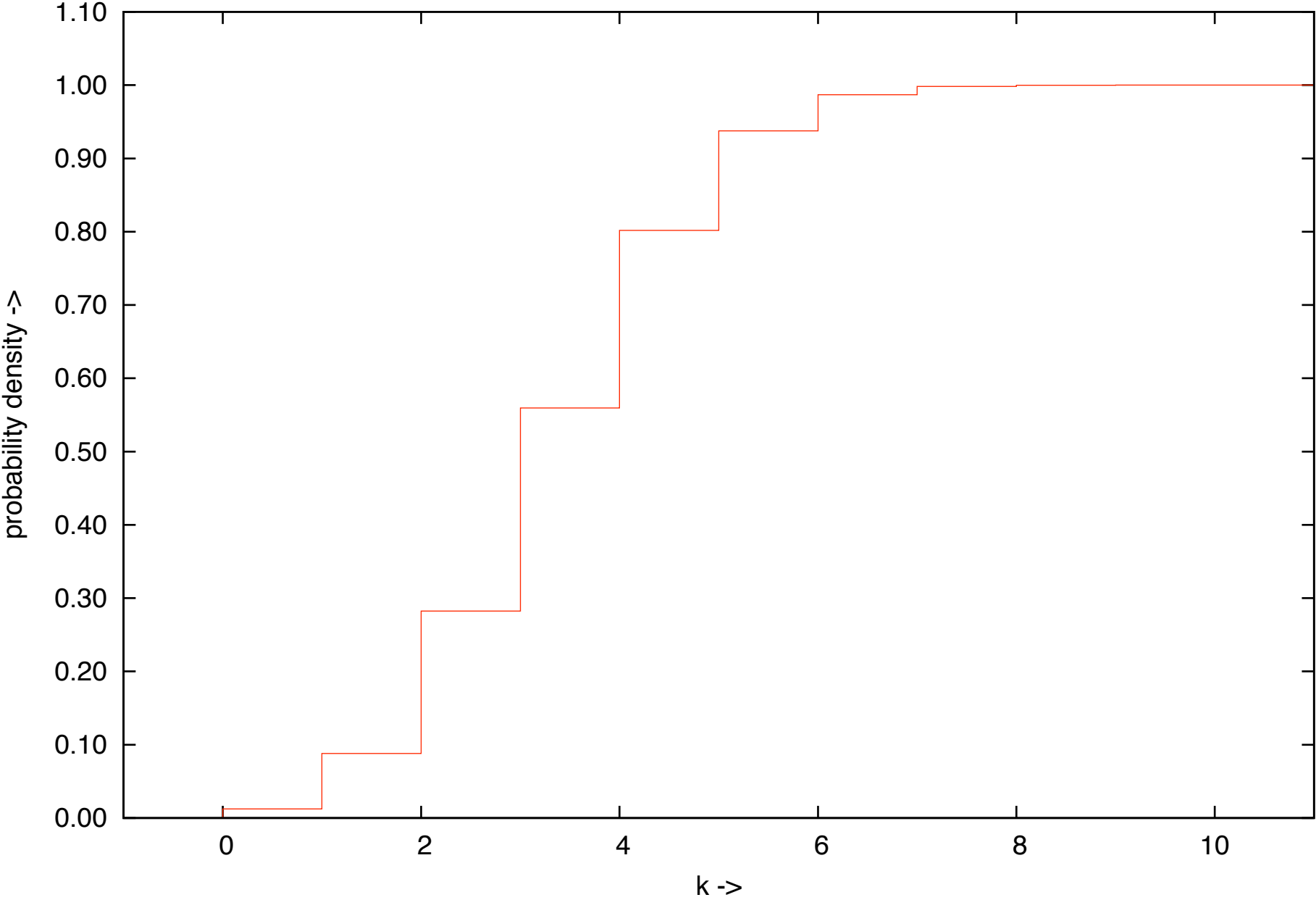
half normal CDF, sigma = 1.0



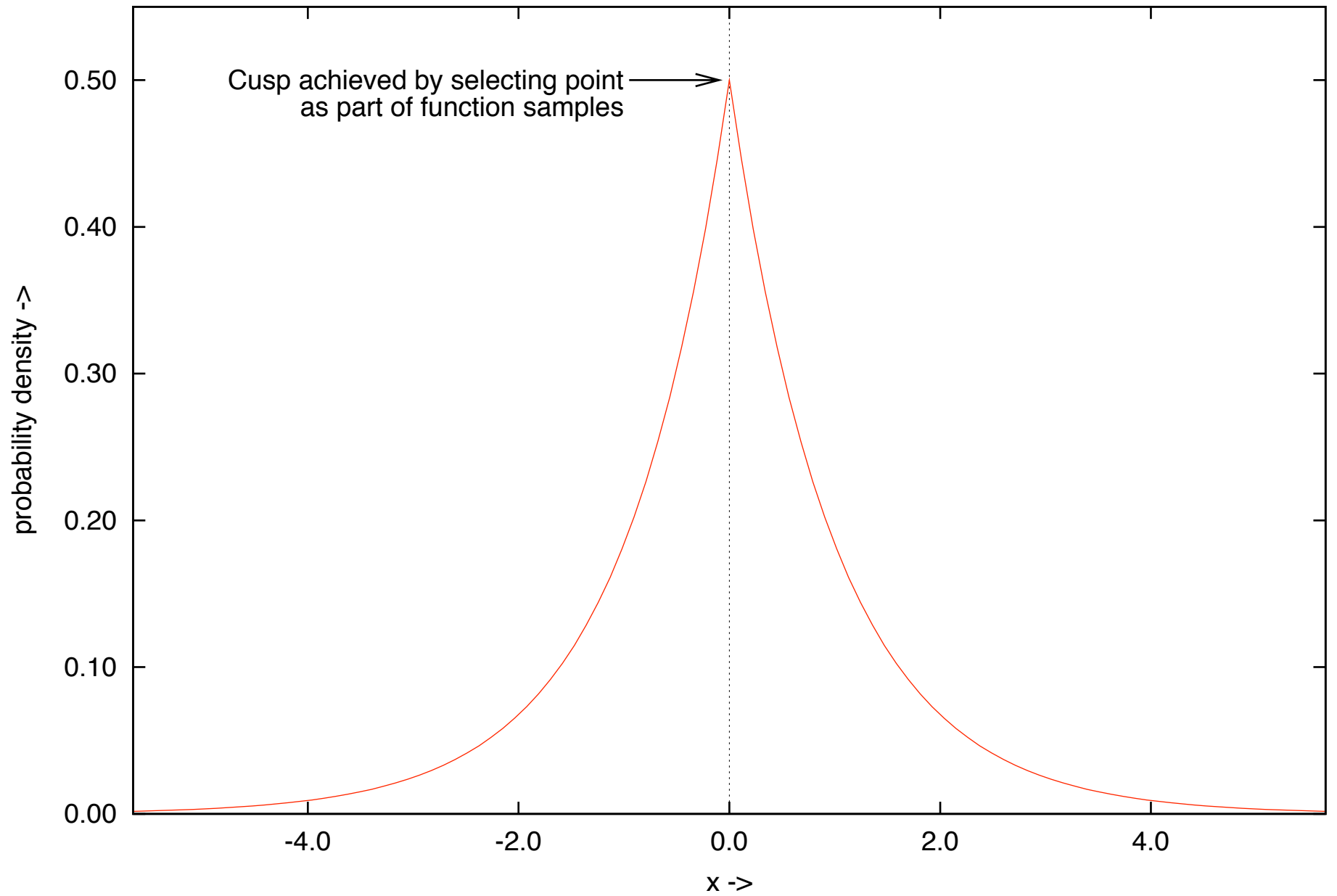
hypergeometric PDF with $N = 75$, $C = 25$, $d = 10$



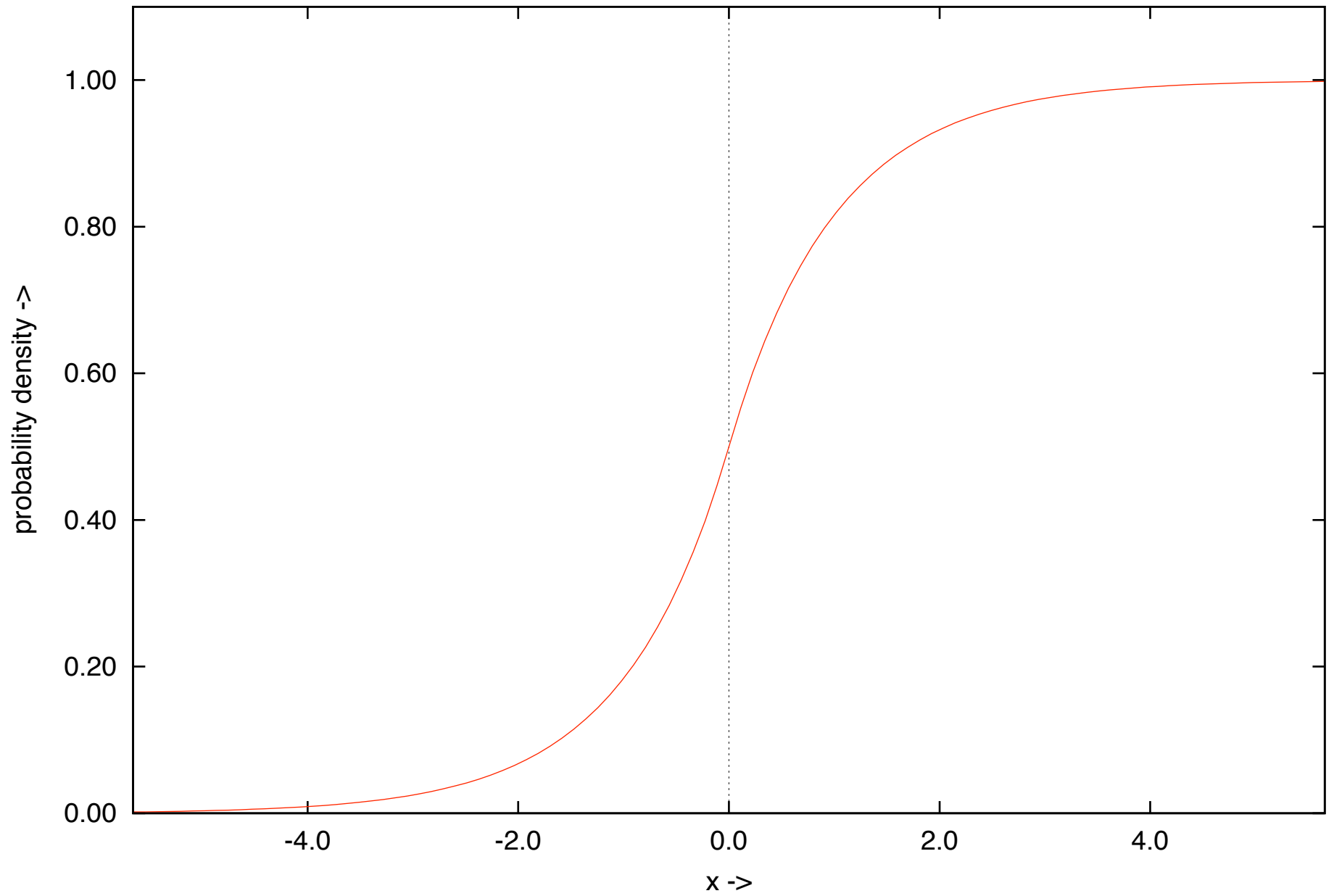
hypergeometric CDF with $N = 75$, $C = 25$, $d = 10$



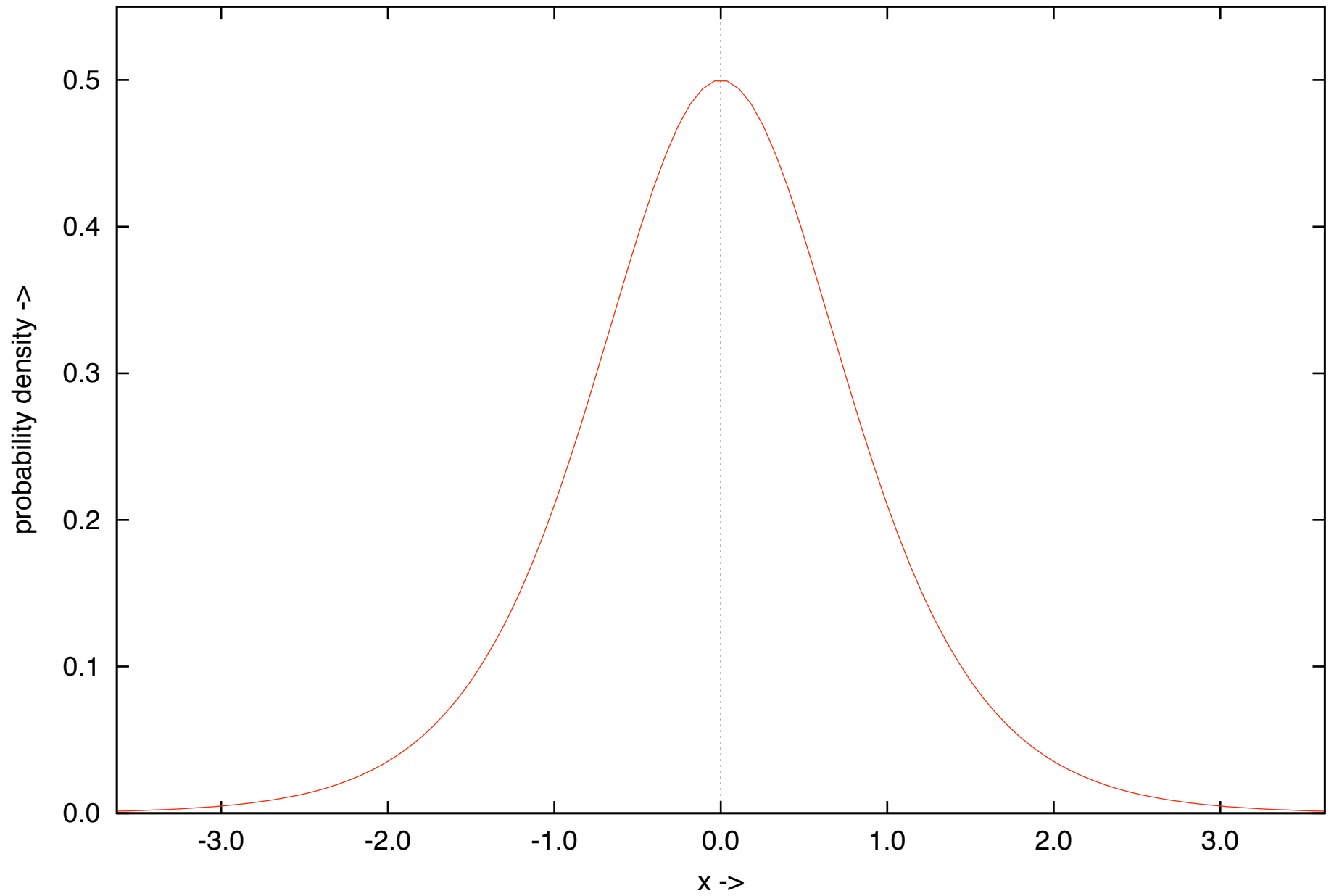
laplace (or double exponential) PDF with $\mu = 0$, $b = 1$



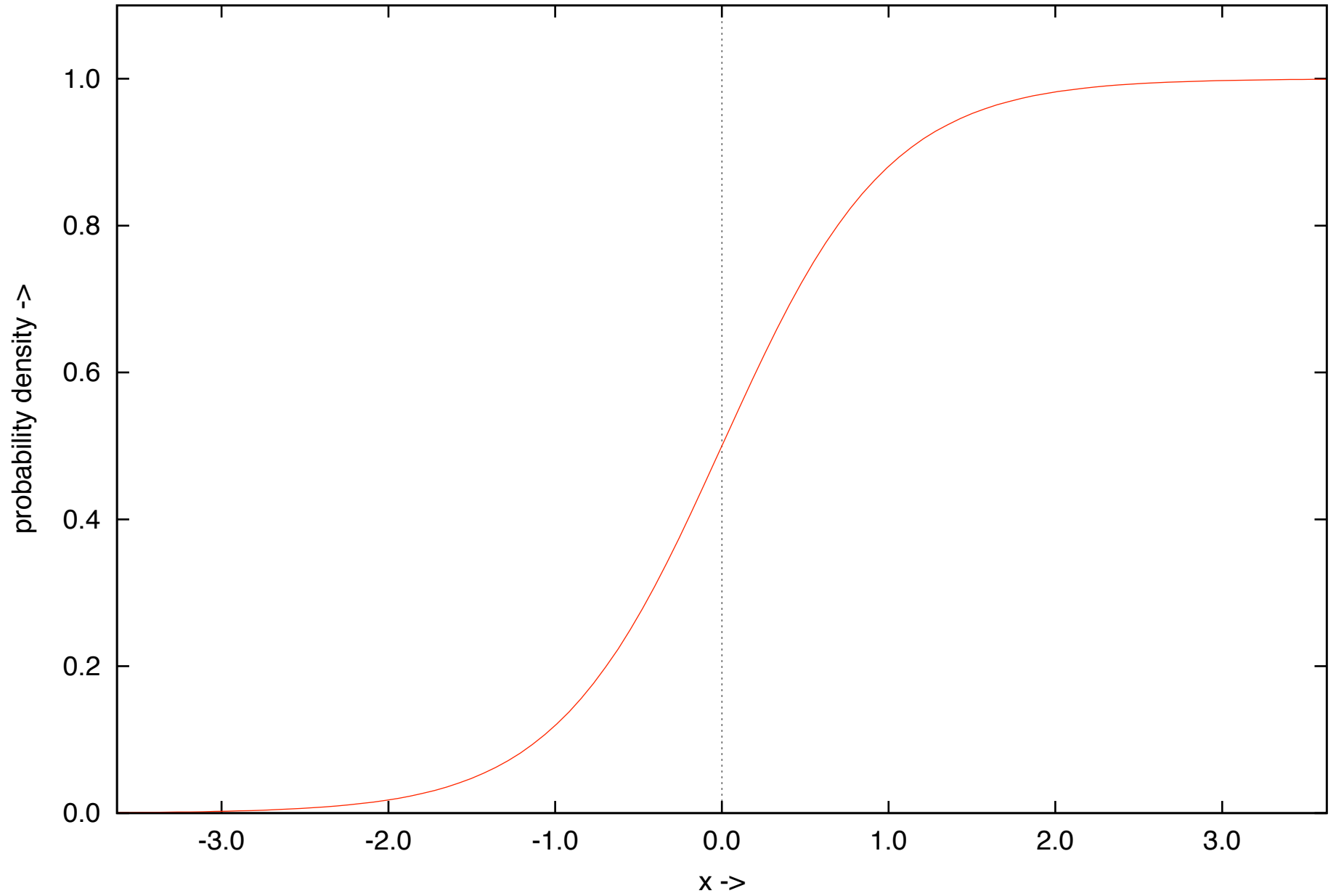
laplace (or double exponential) CDF with $\mu = 0$, $b = 1$



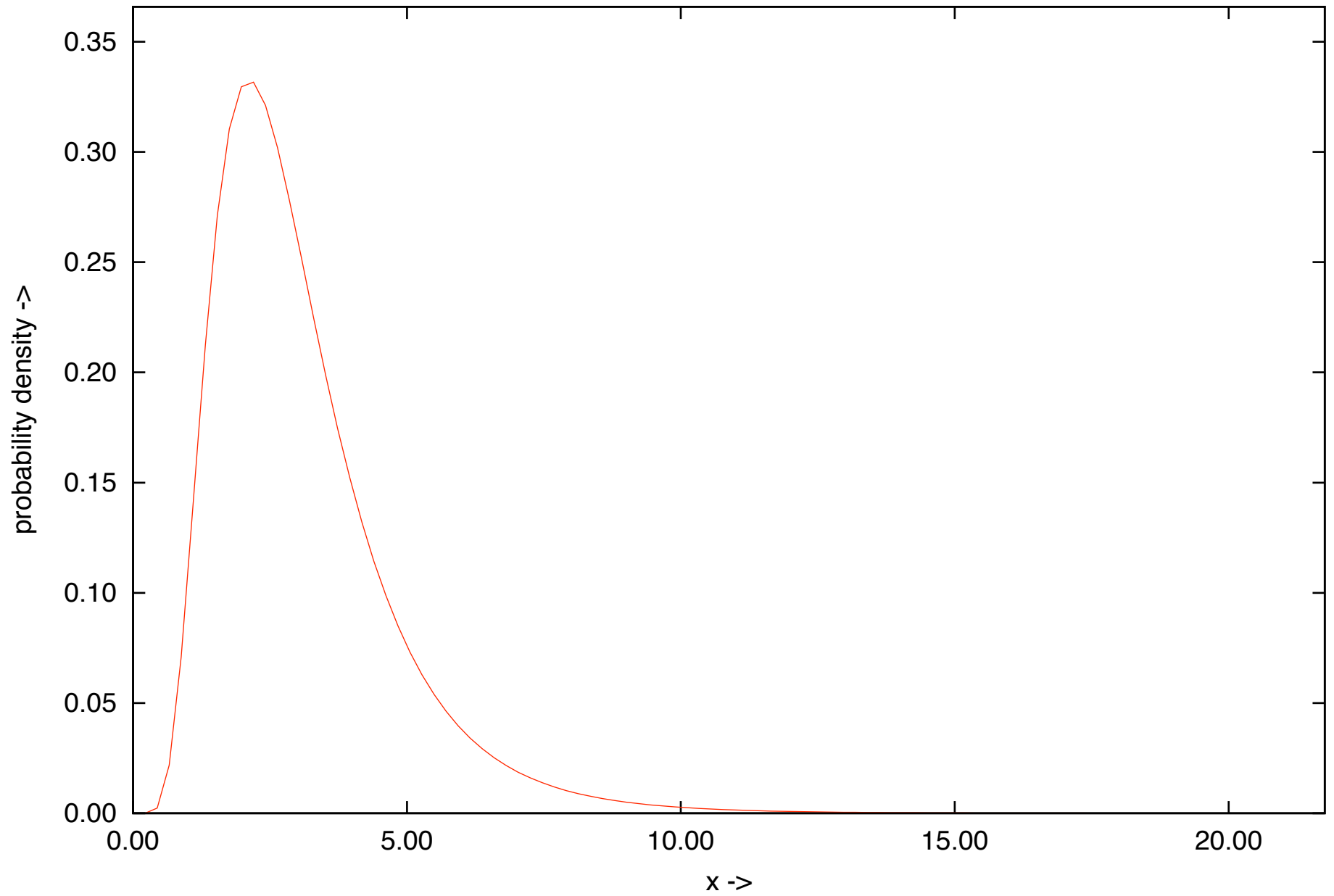
logistic PDF with $a = 0$, $\lambda = 2$



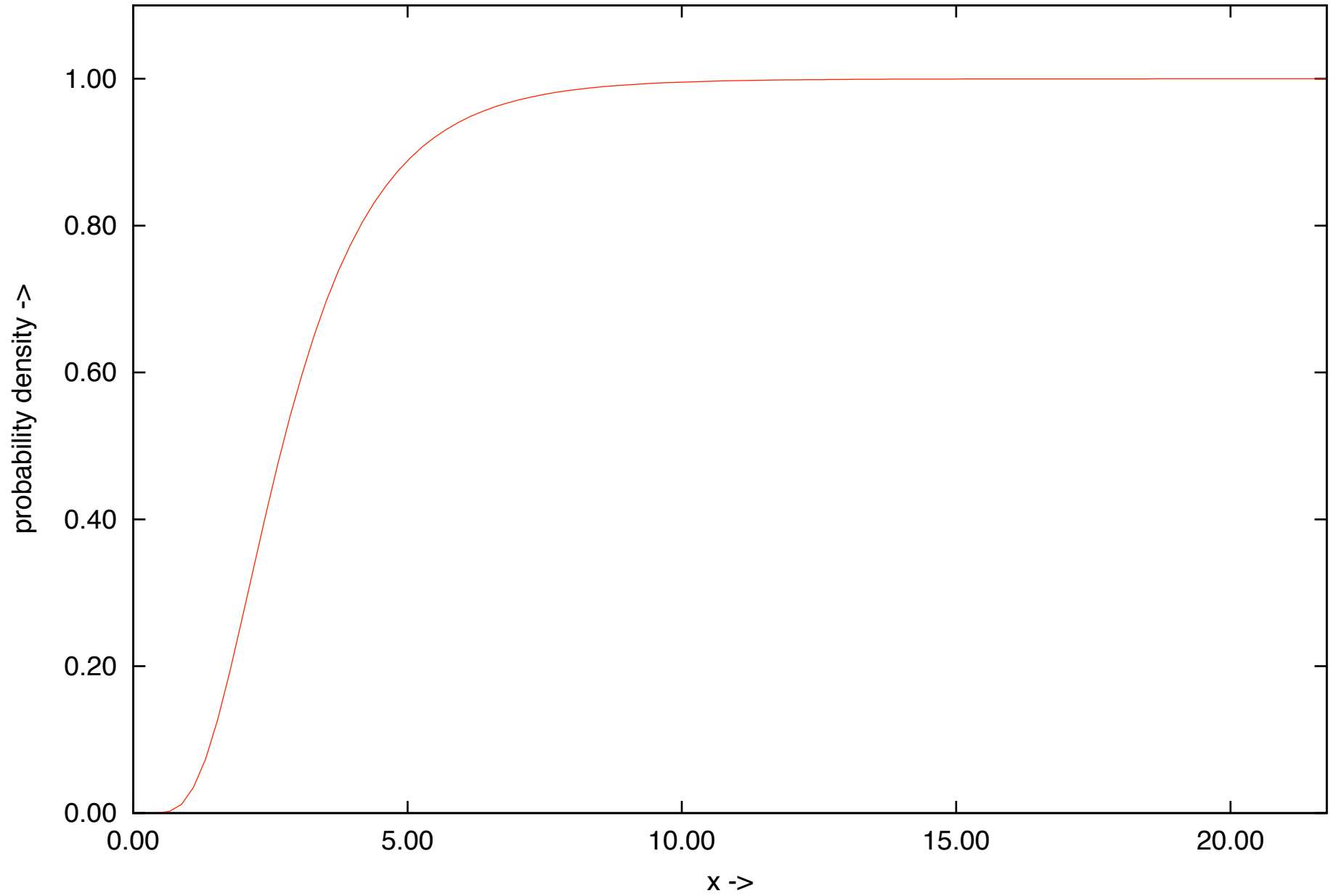
logistic CDF with $a = 0$, $\lambda = 2$



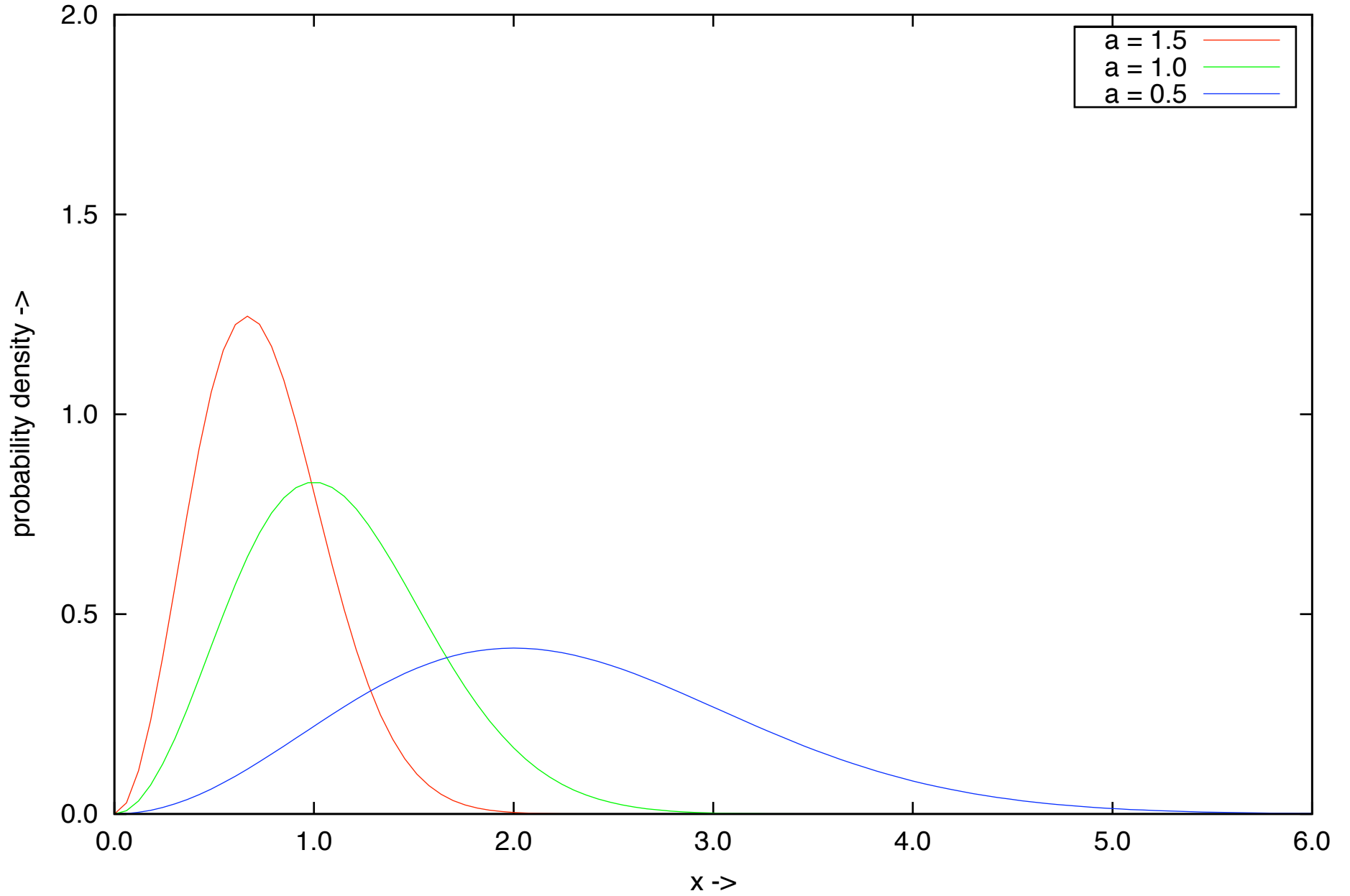
lognormal PDF with $\mu = 1.0$, $\sigma = 0.5$



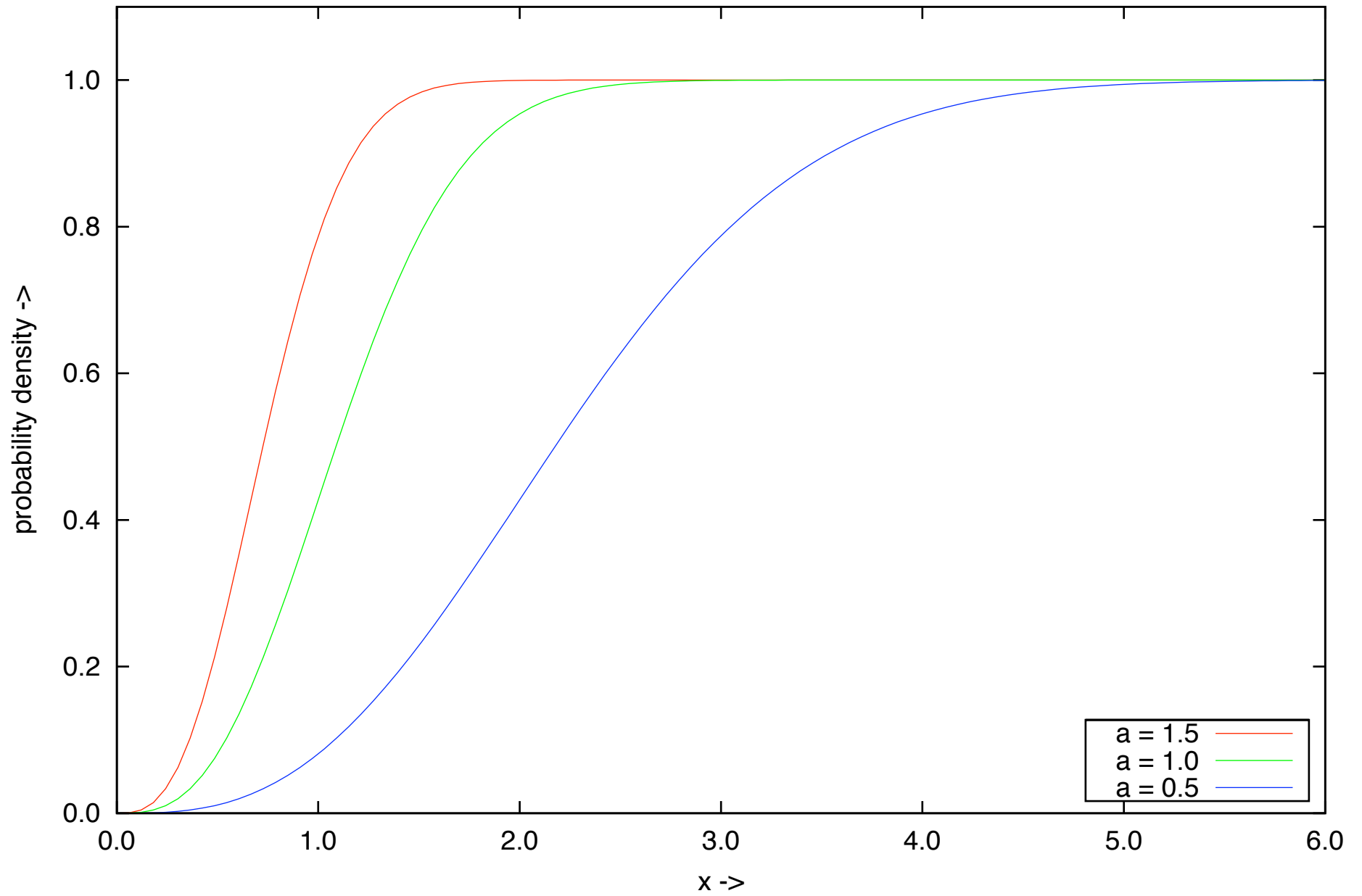
lognormal CDF with $\mu = 1.0$, $\sigma = 0.5$



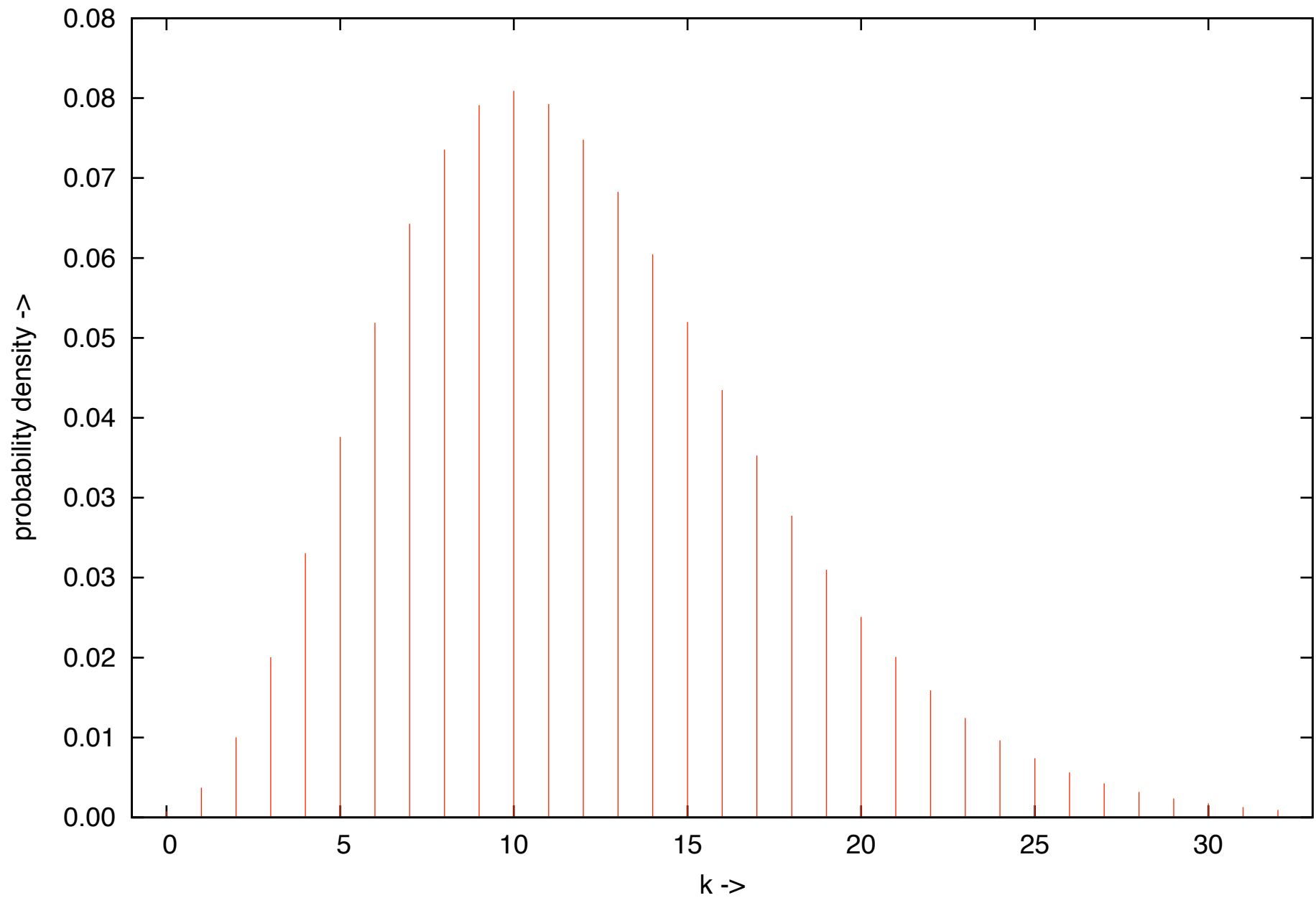
maxwell PDF



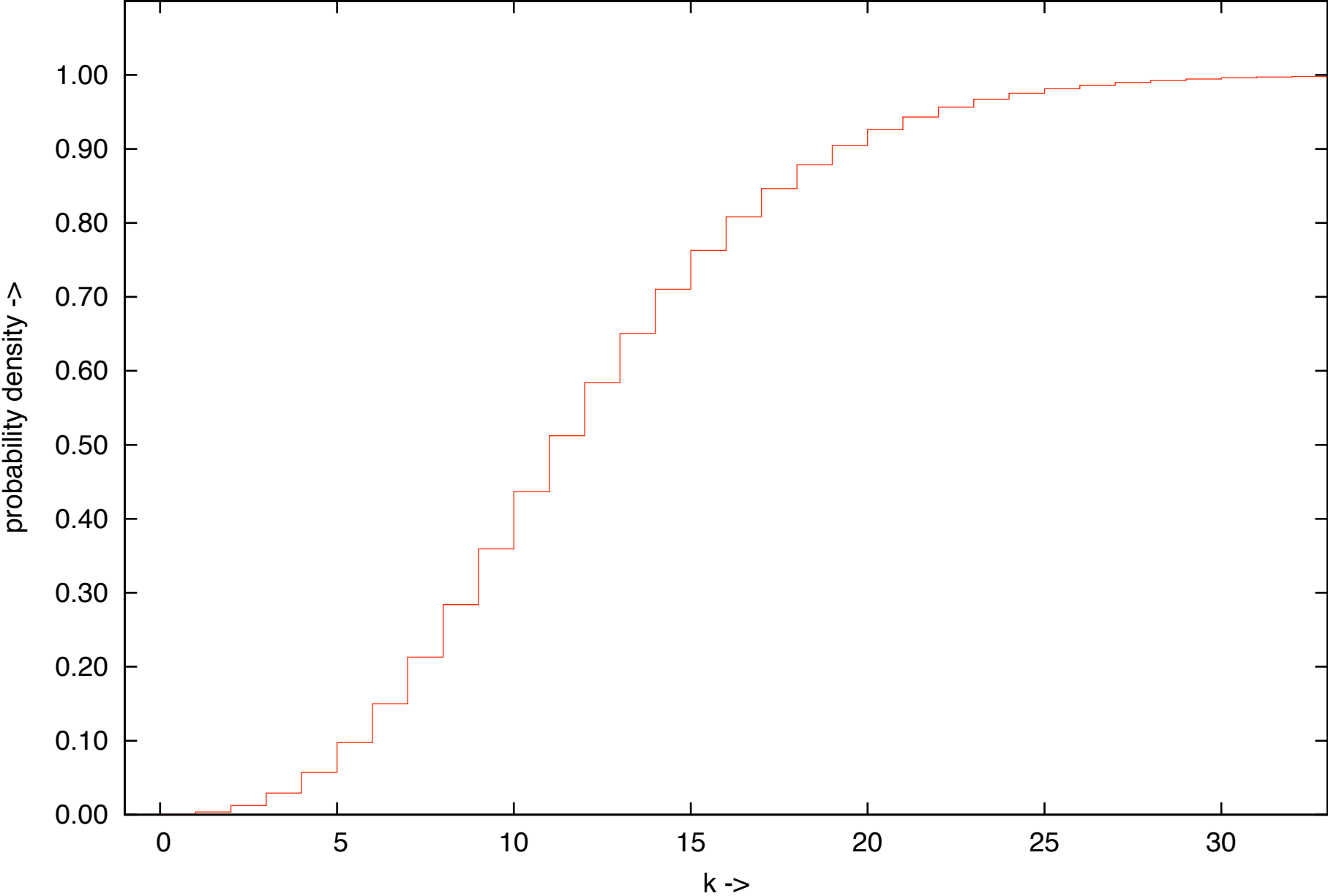
maxwell CDF



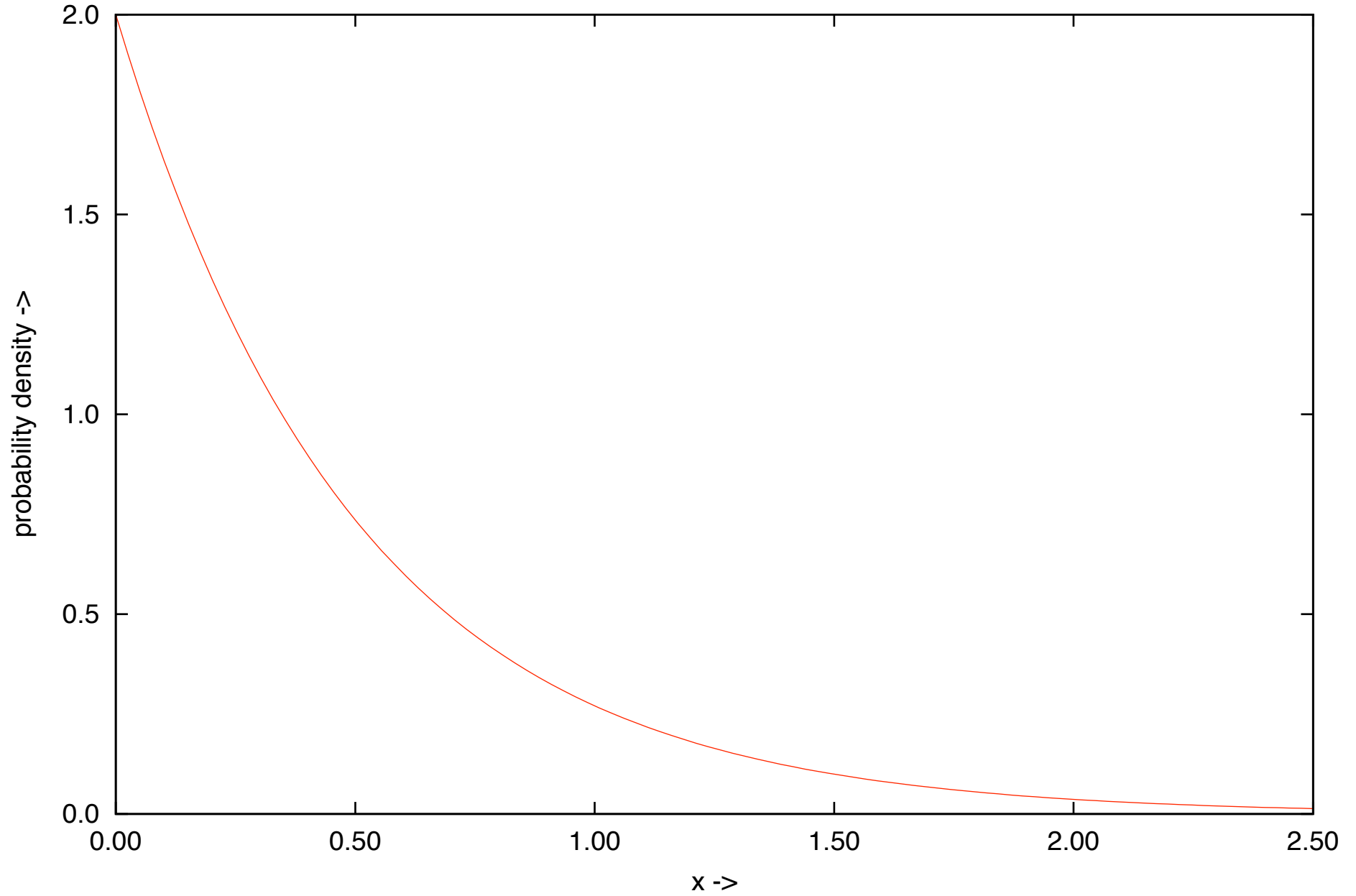
negative binomial (or pascal or polya) PDF with $r = 8$, $p = 0.4$



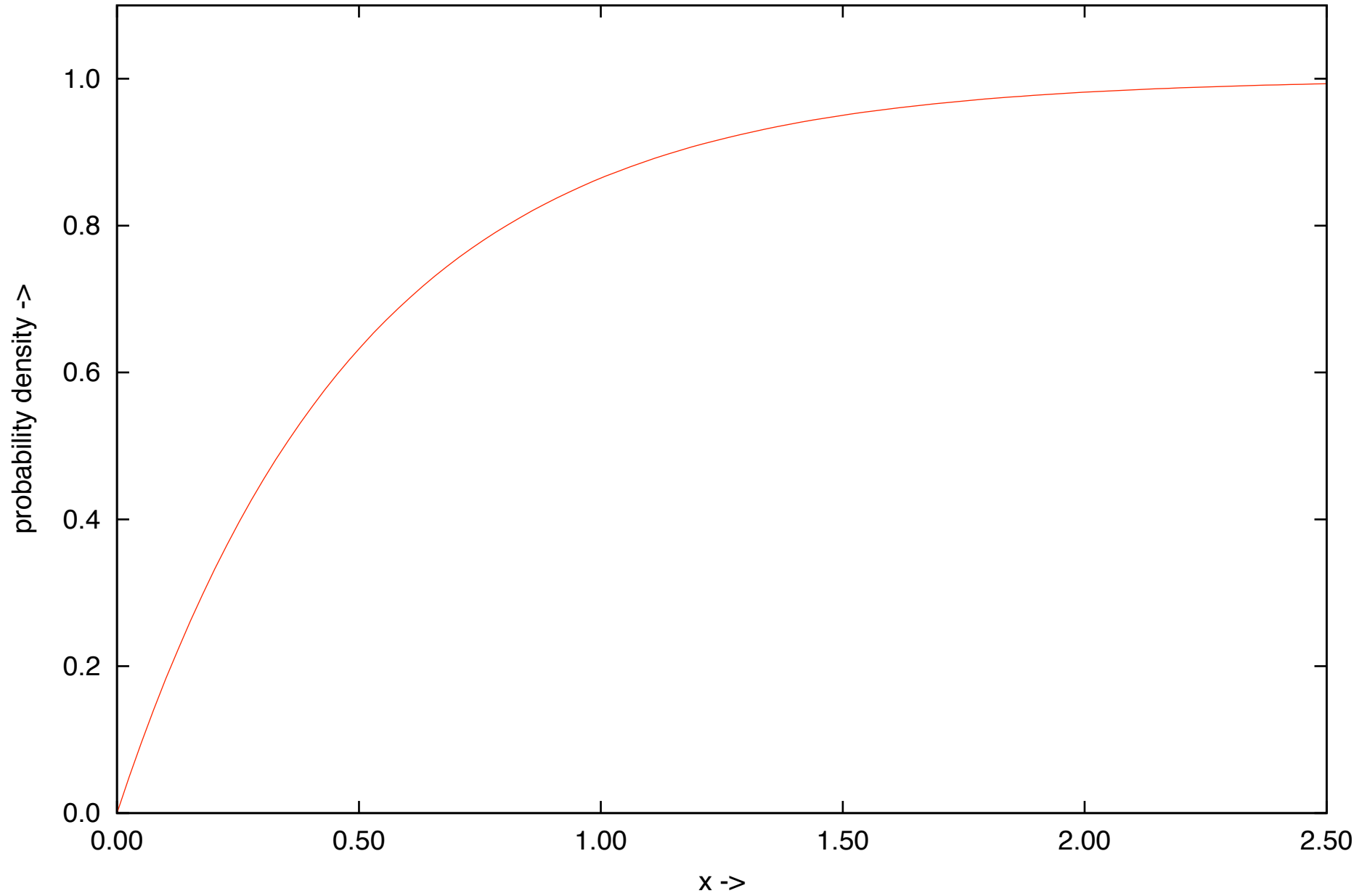
negative binomial (or pascal or polya) CDF with $r = 8, p = 0.4$



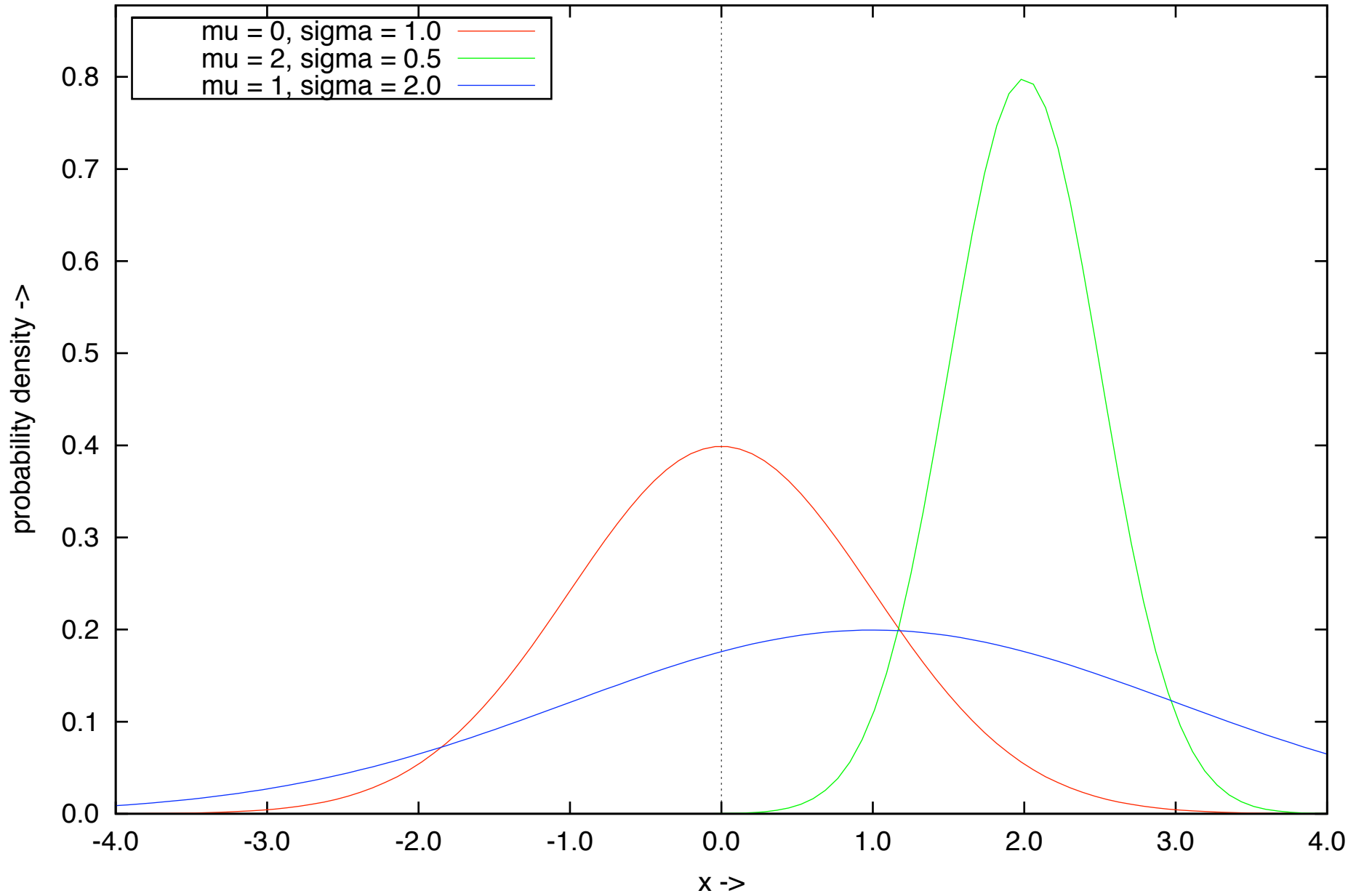
negative exponential (or exponential) PDF with lambda = 2.0



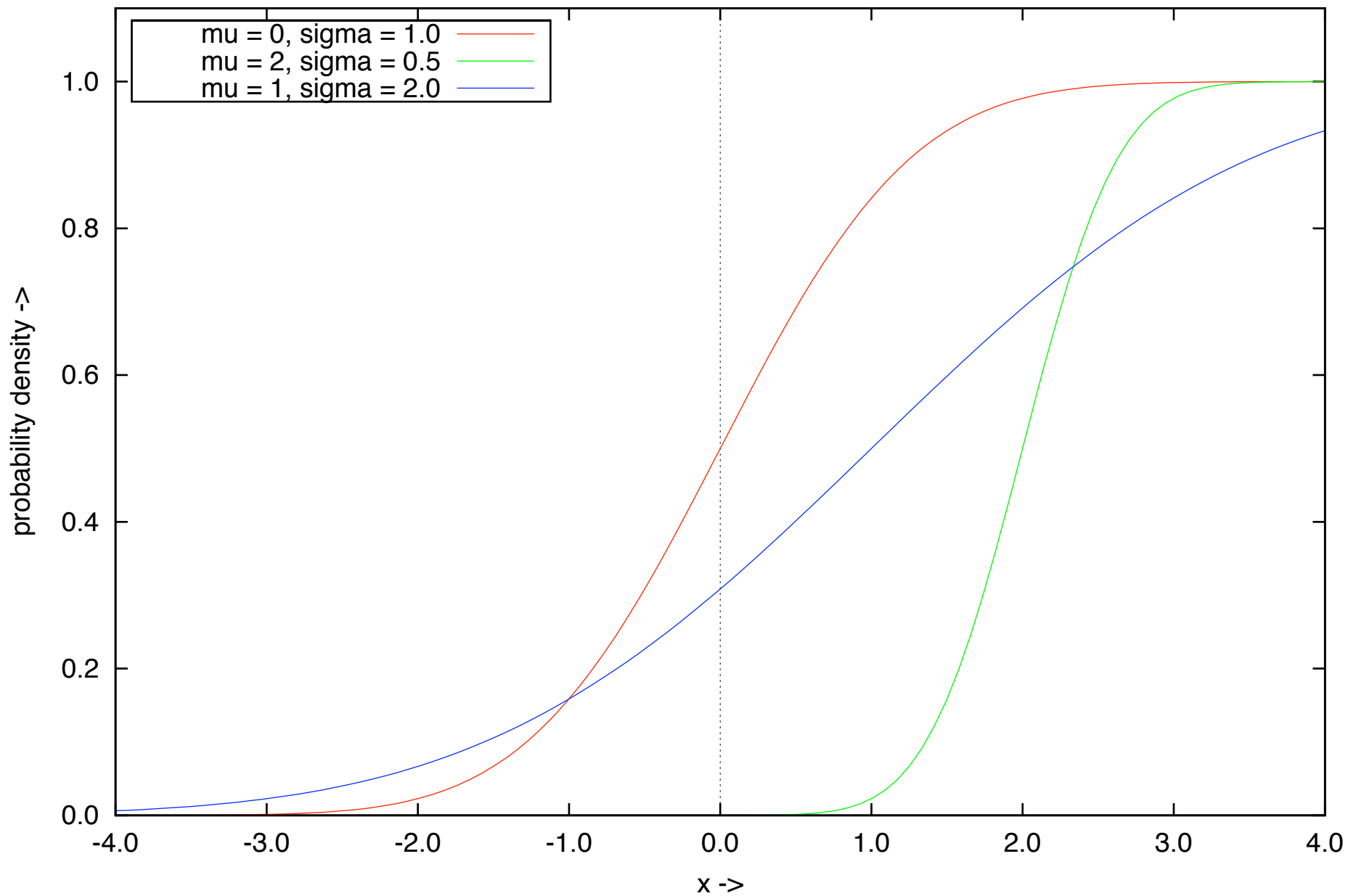
negative exponential (or exponential) CDF with lambda = 2.0



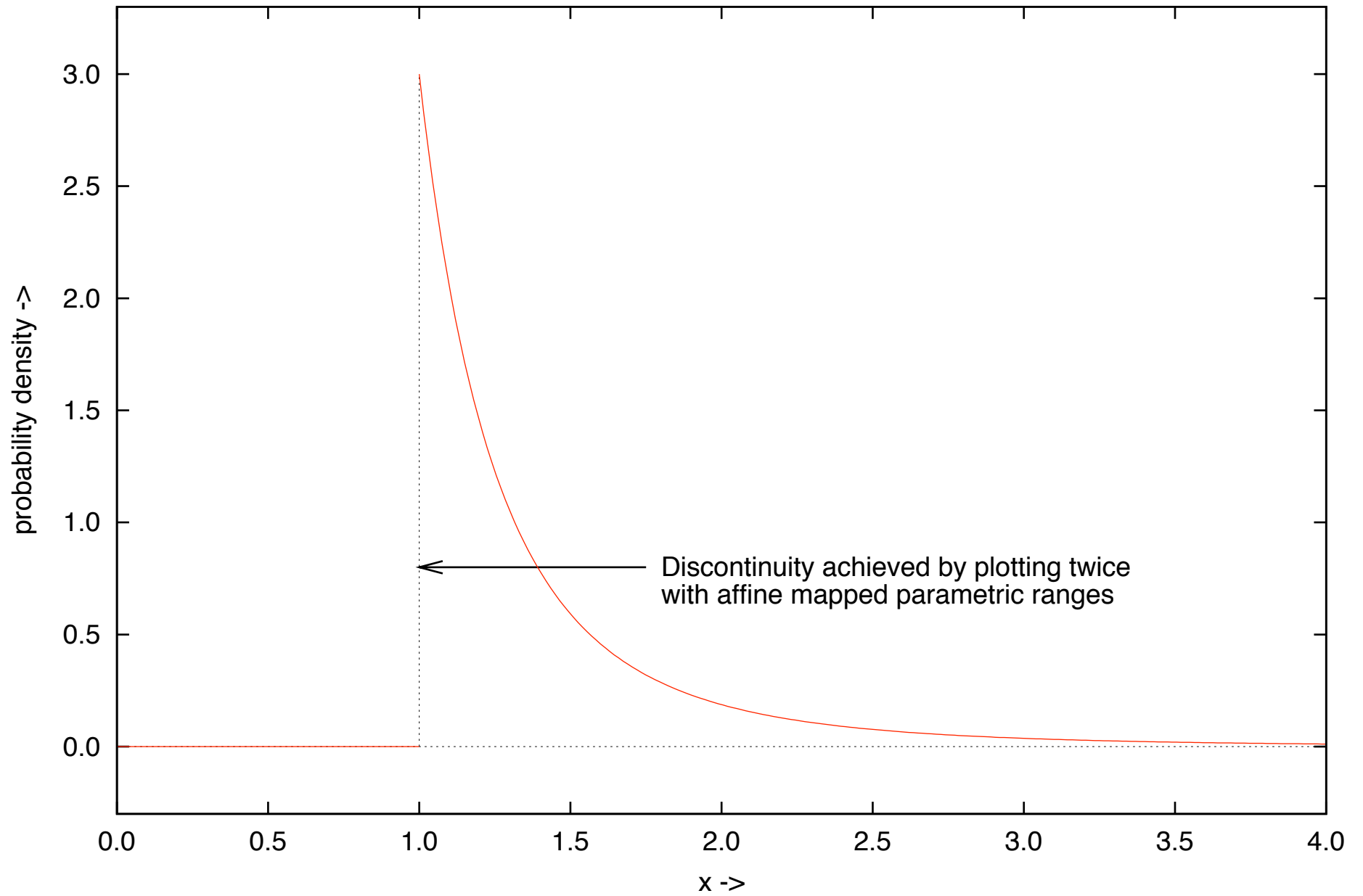
normal (also called gauss or bell-curved) PDF



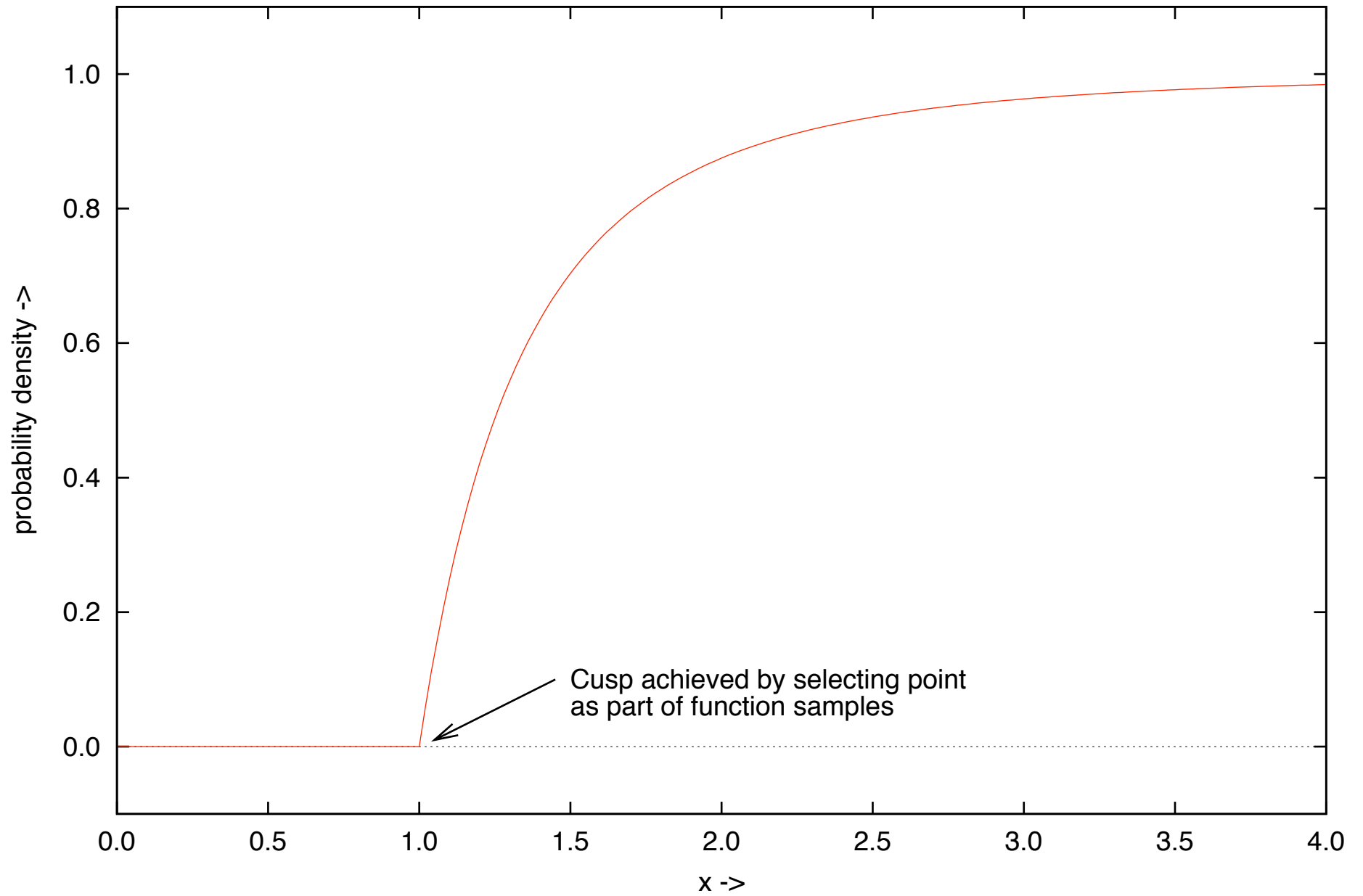
normal (also called gauss or bell-curved) CDF



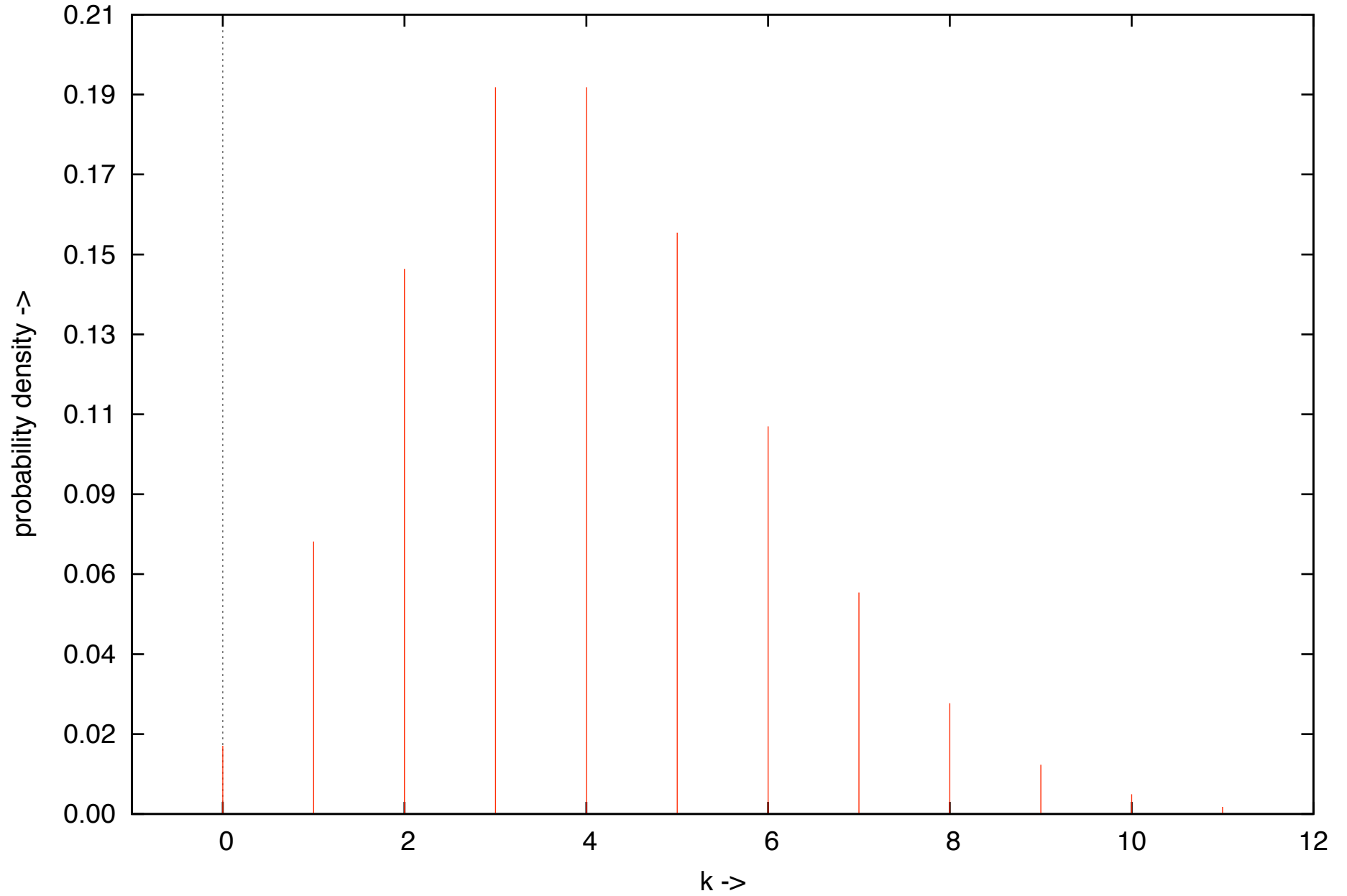
pareto PDF with $a = 1$, $b = 3$



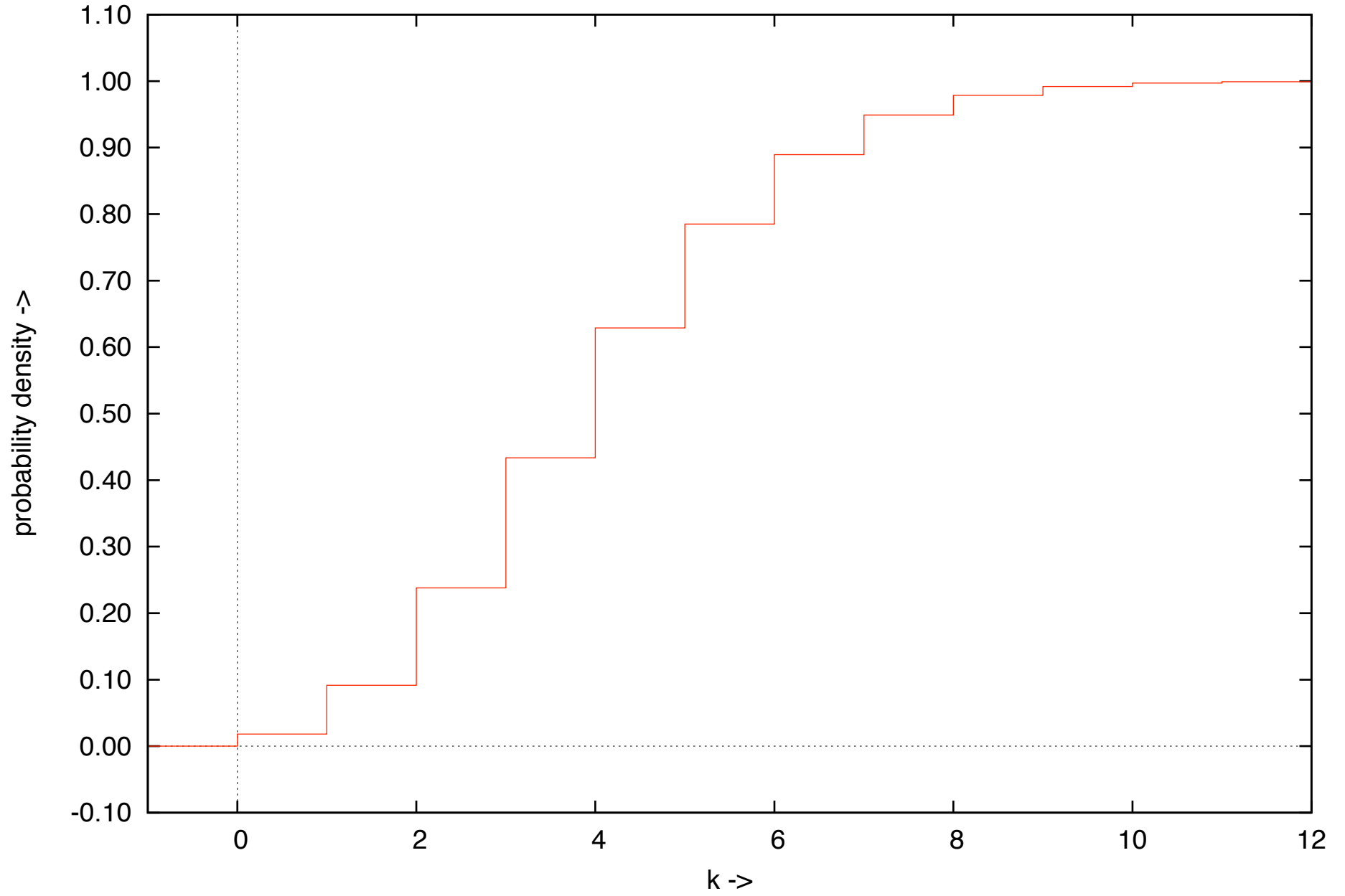
pareto CDF with $a = 1$, $b = 3$



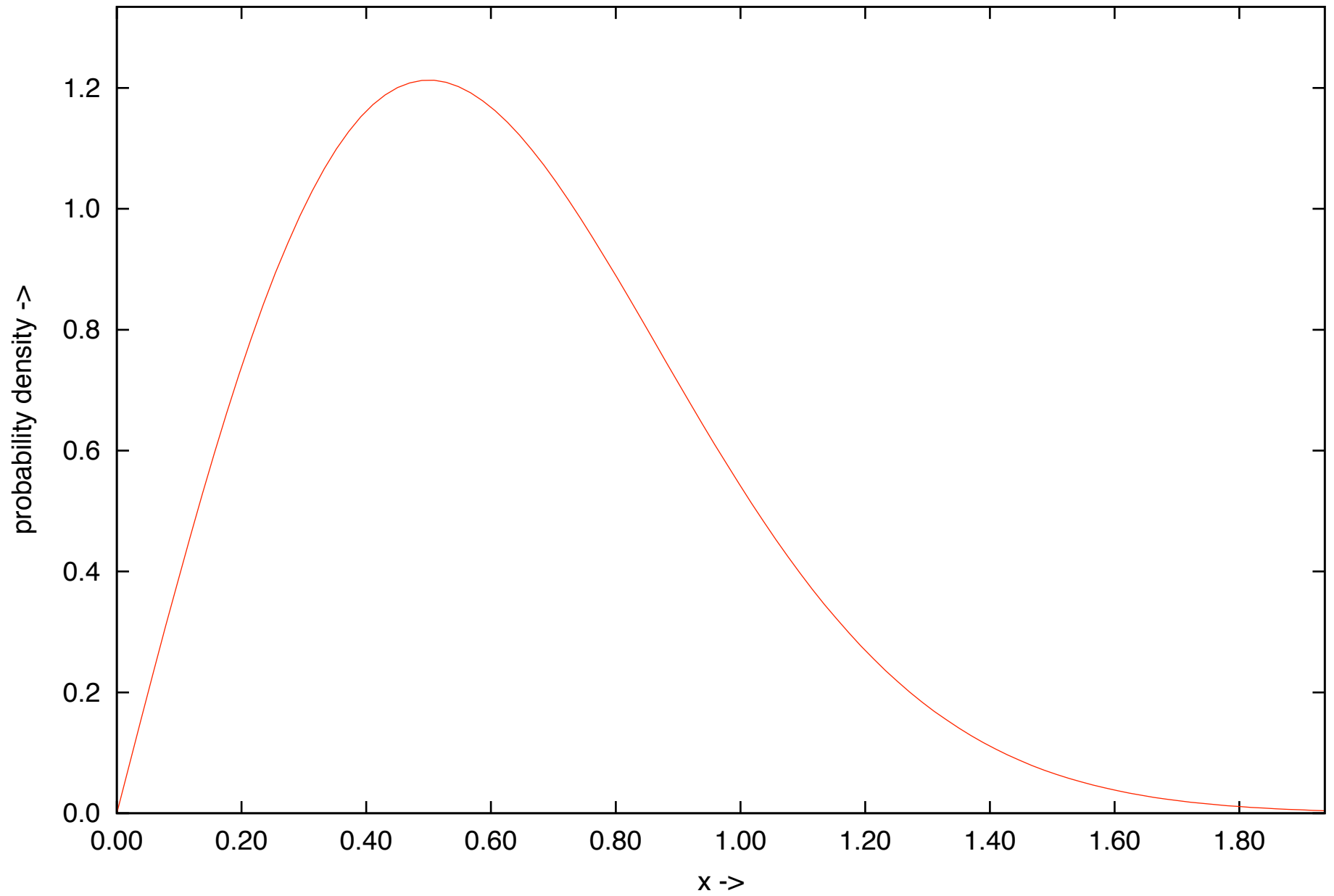
poisson PDF with mu = 4.0



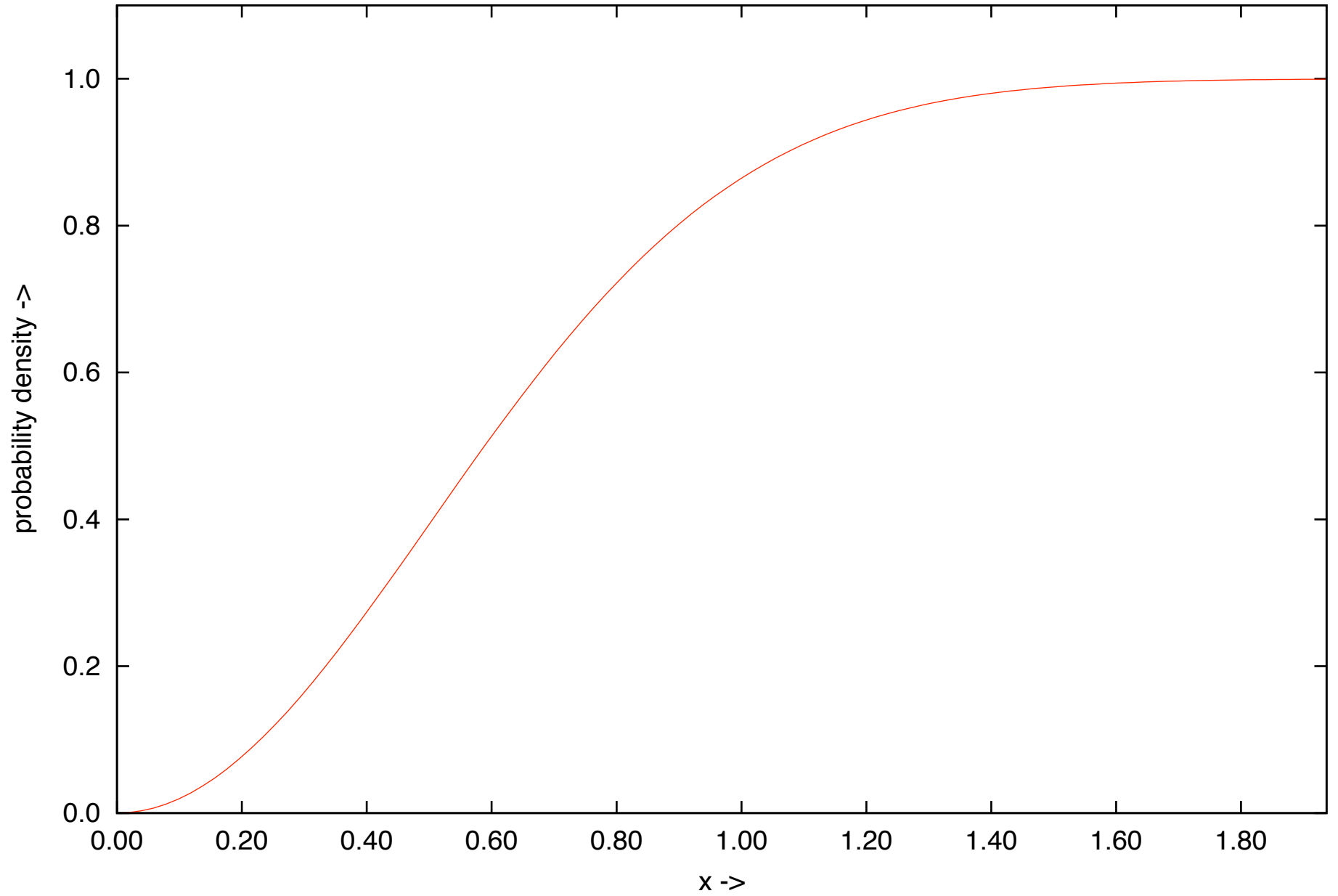
poisson CDF with mu = 4.0



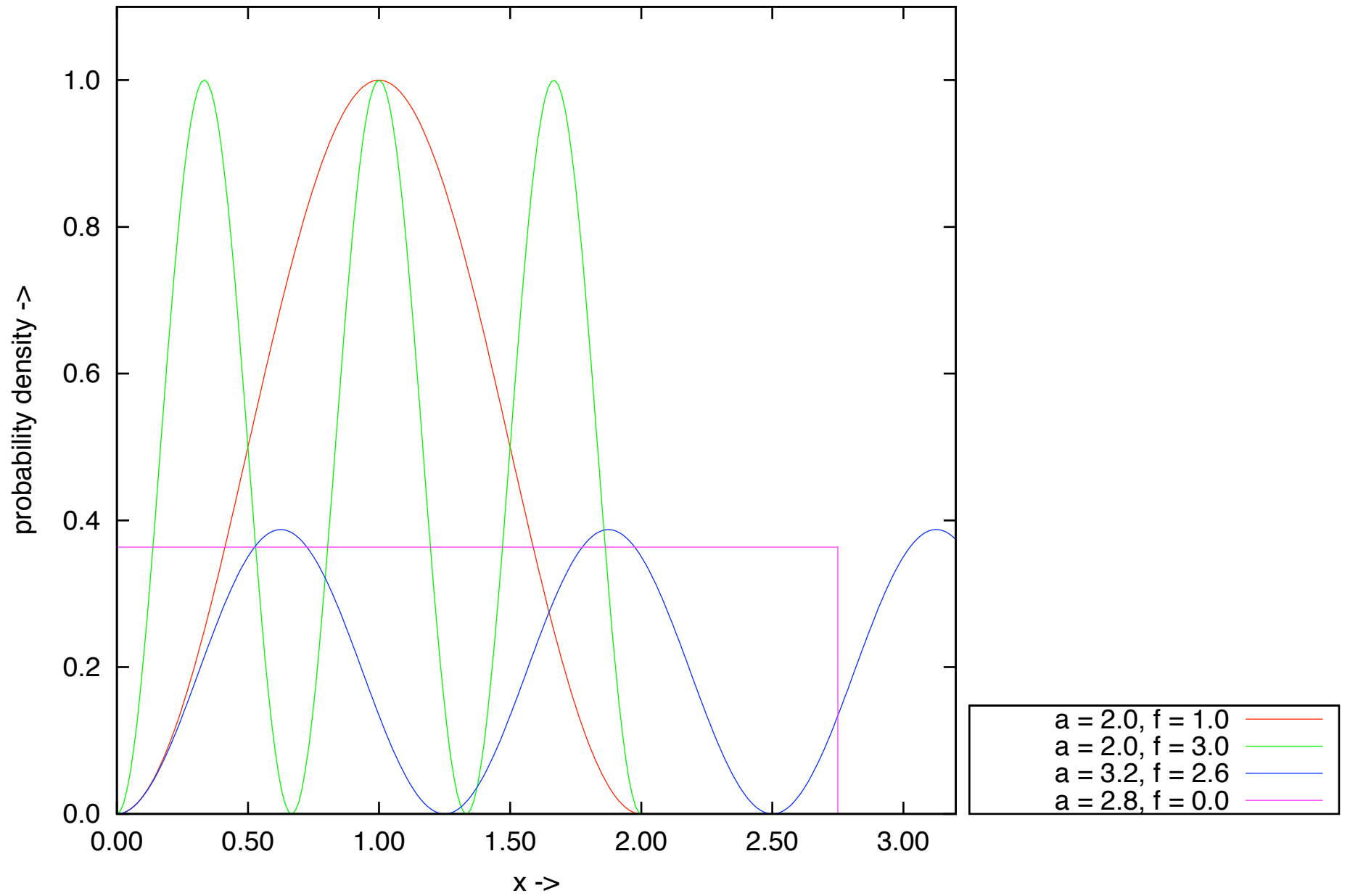
rayleigh PDF with lambda = 2.0



rayleigh CDF with lambda = 2.0

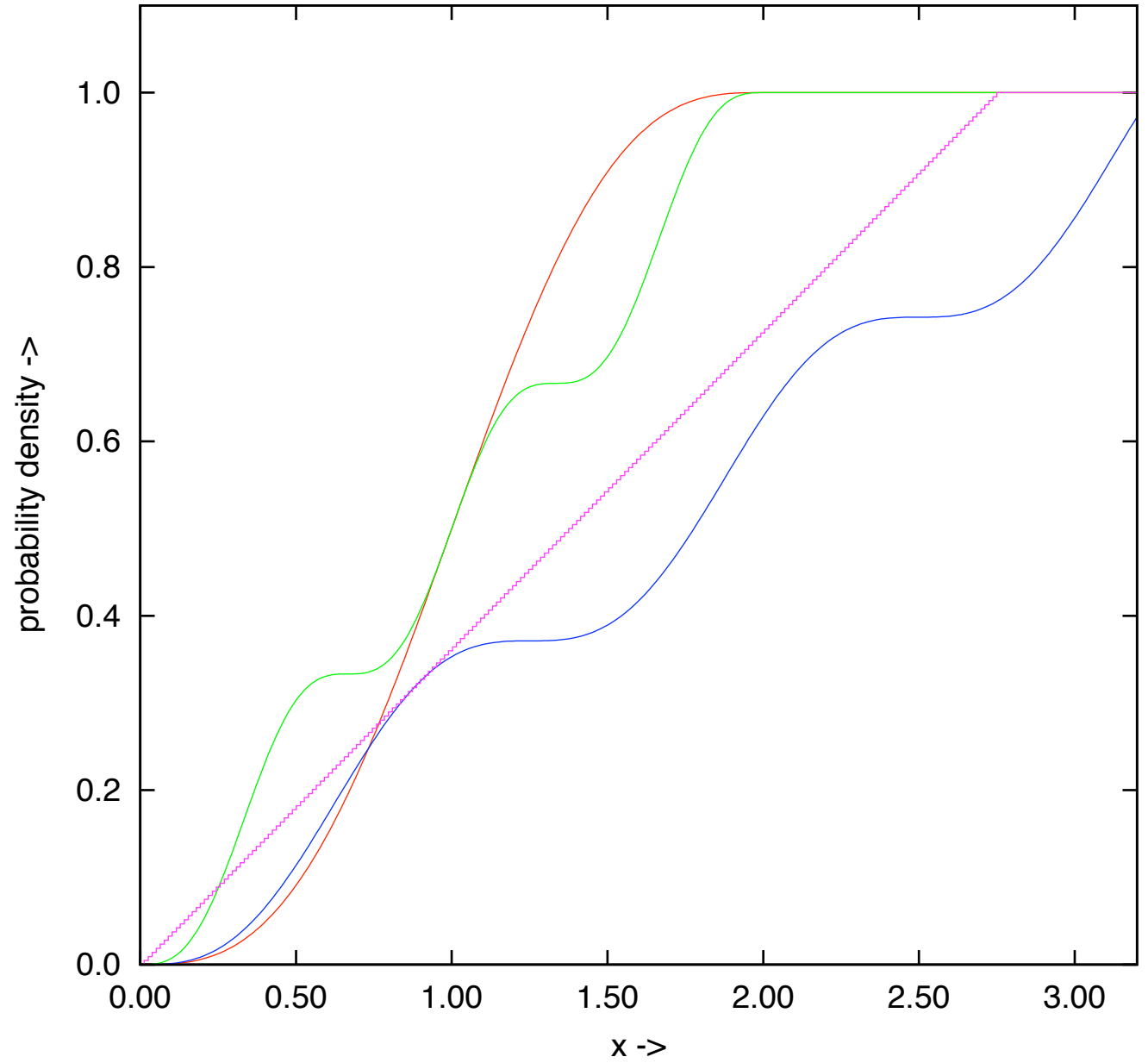


sine PDF

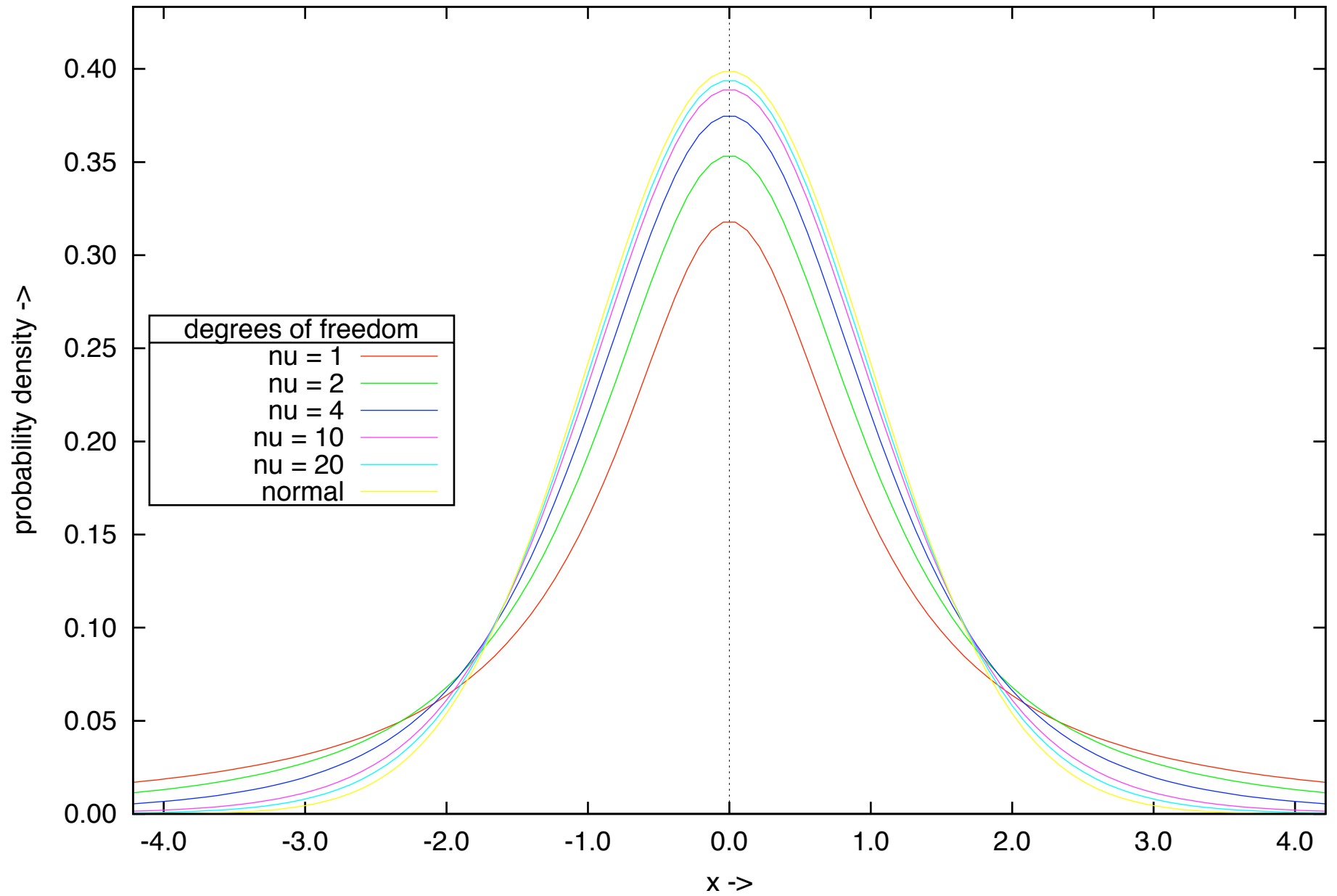


sine CDF

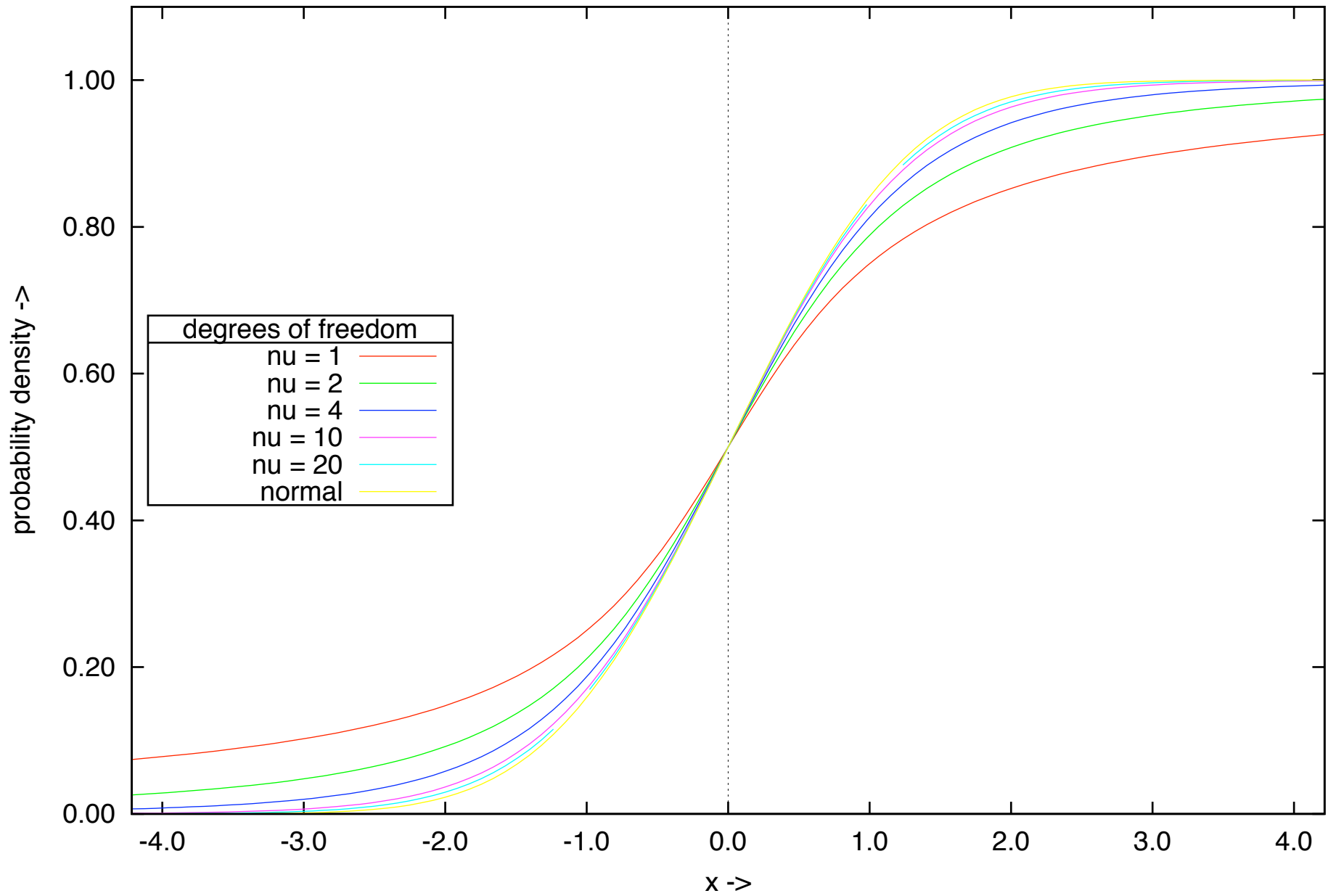
$a = 2.0, f = 1.0$	— (red)
$a = 2.0, f = 3.0$	— (green)
$a = 3.2, f = 2.6$	— (blue)
$a = 2.8, f = 0.0$	— (magenta)



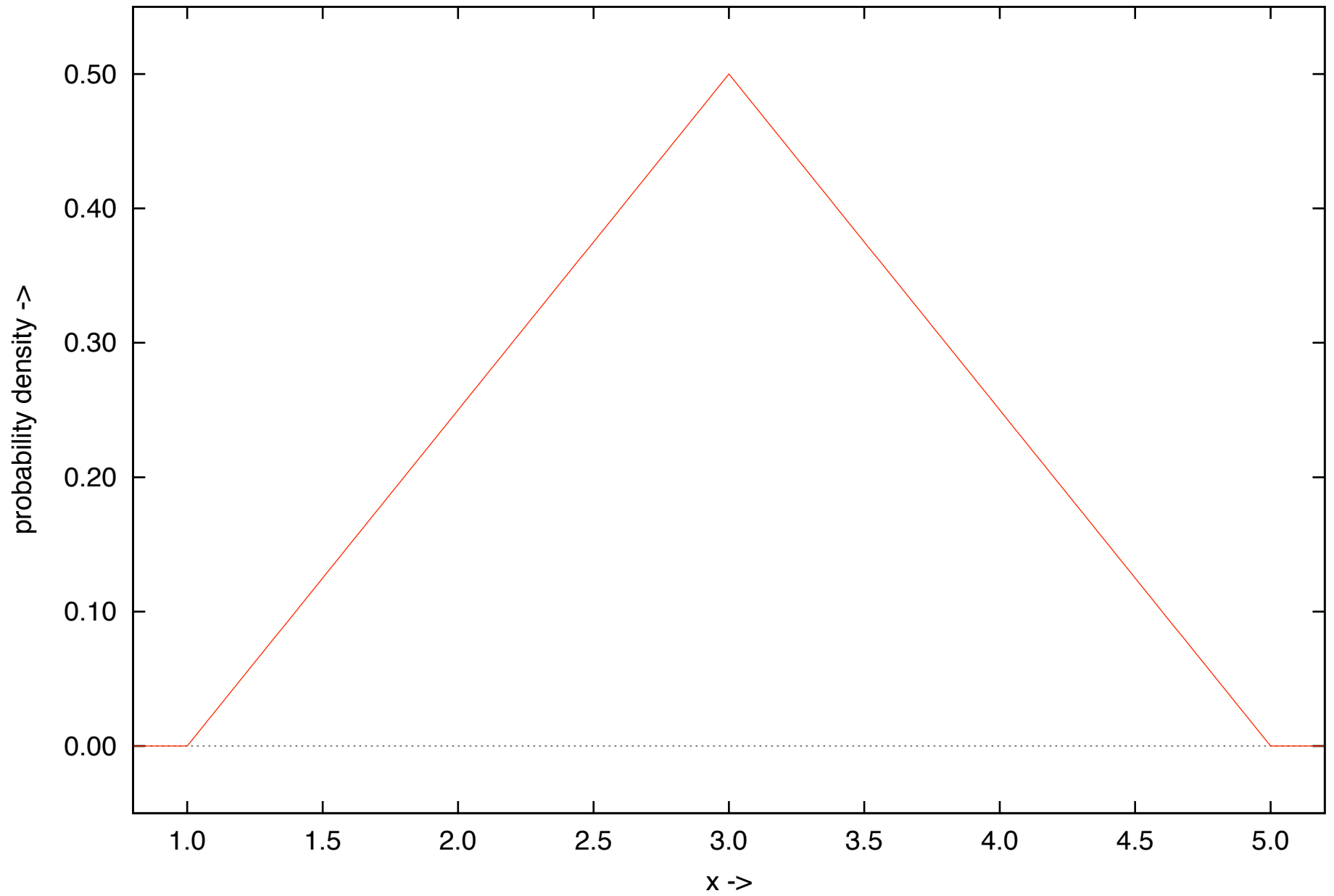
t PDF (and Gaussian limit)



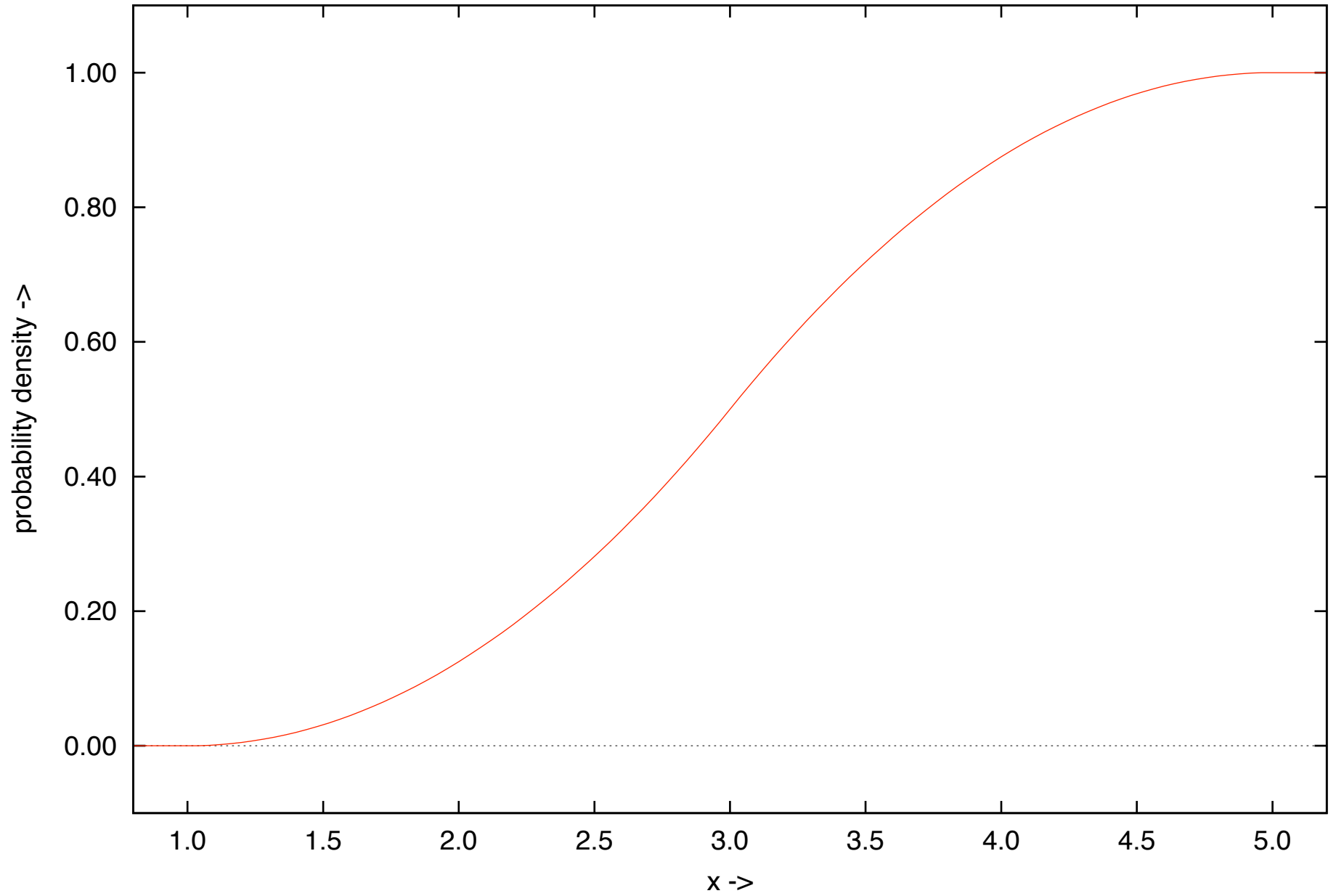
t CDF (and Gaussian limit)



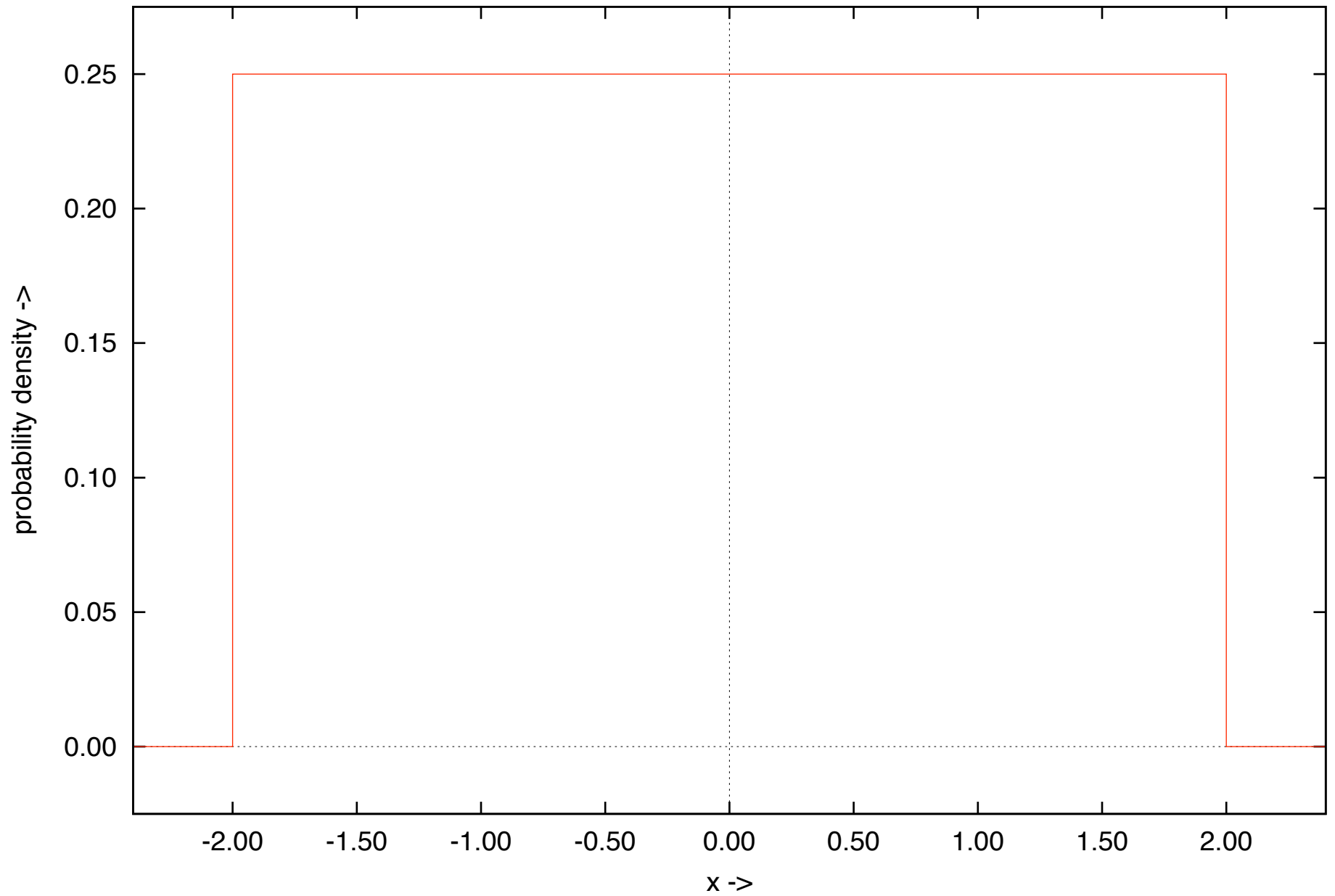
triangular PDF with $m = 3.0$, $g = 2.0$



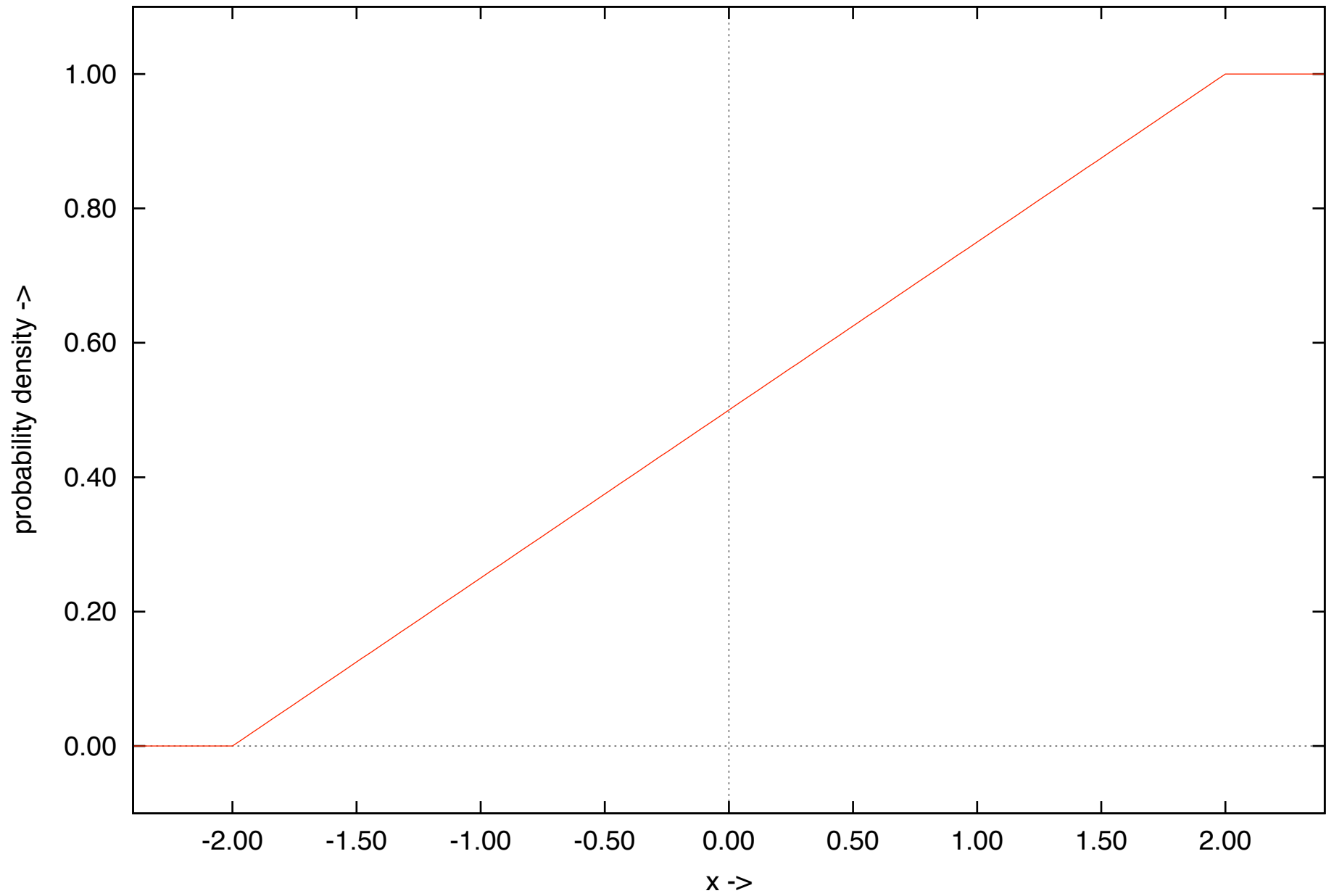
triangular CDF with $m = 3.0$, $g = 2.0$



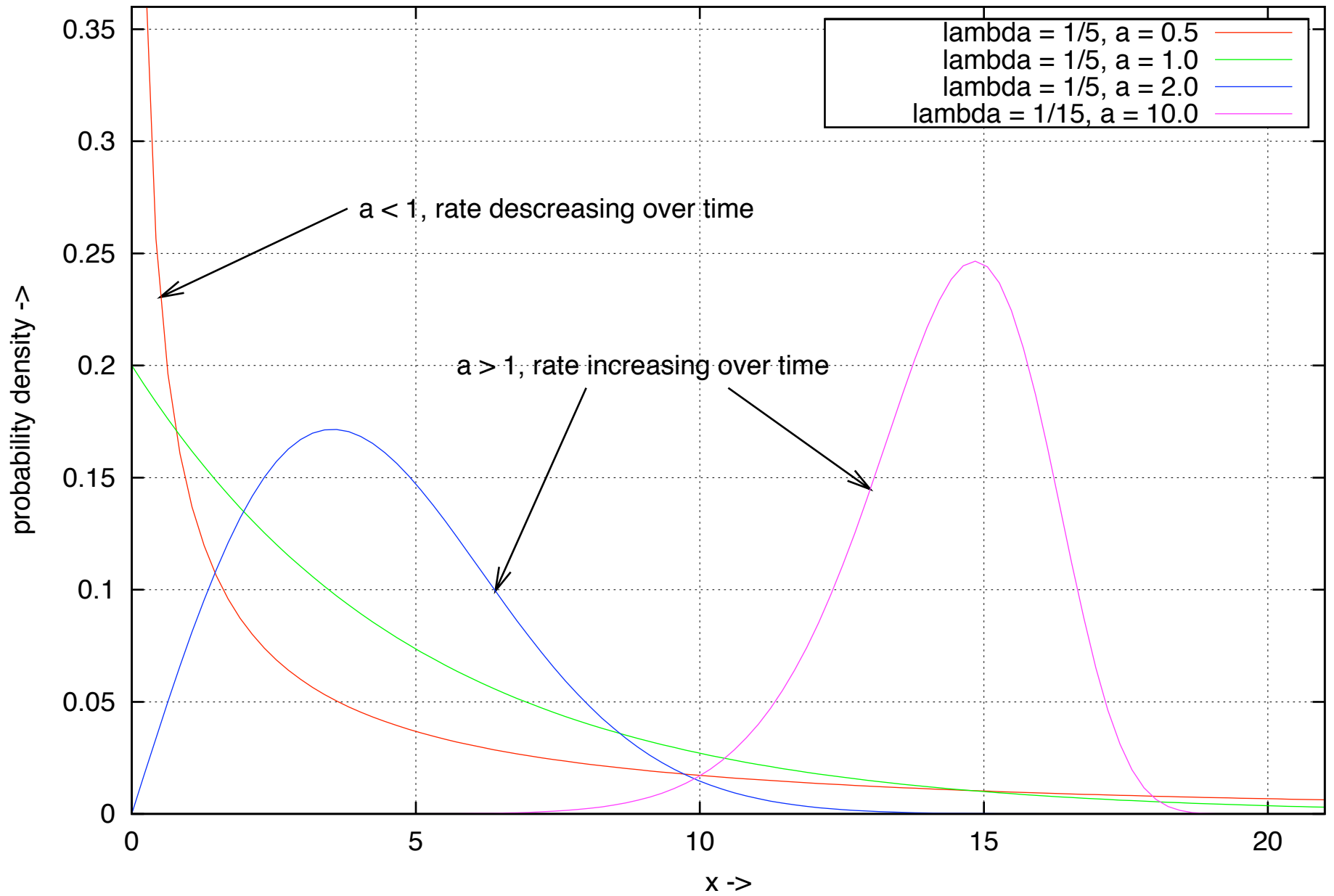
uniform PDF with $a = -2.0$, $b = 2.0$



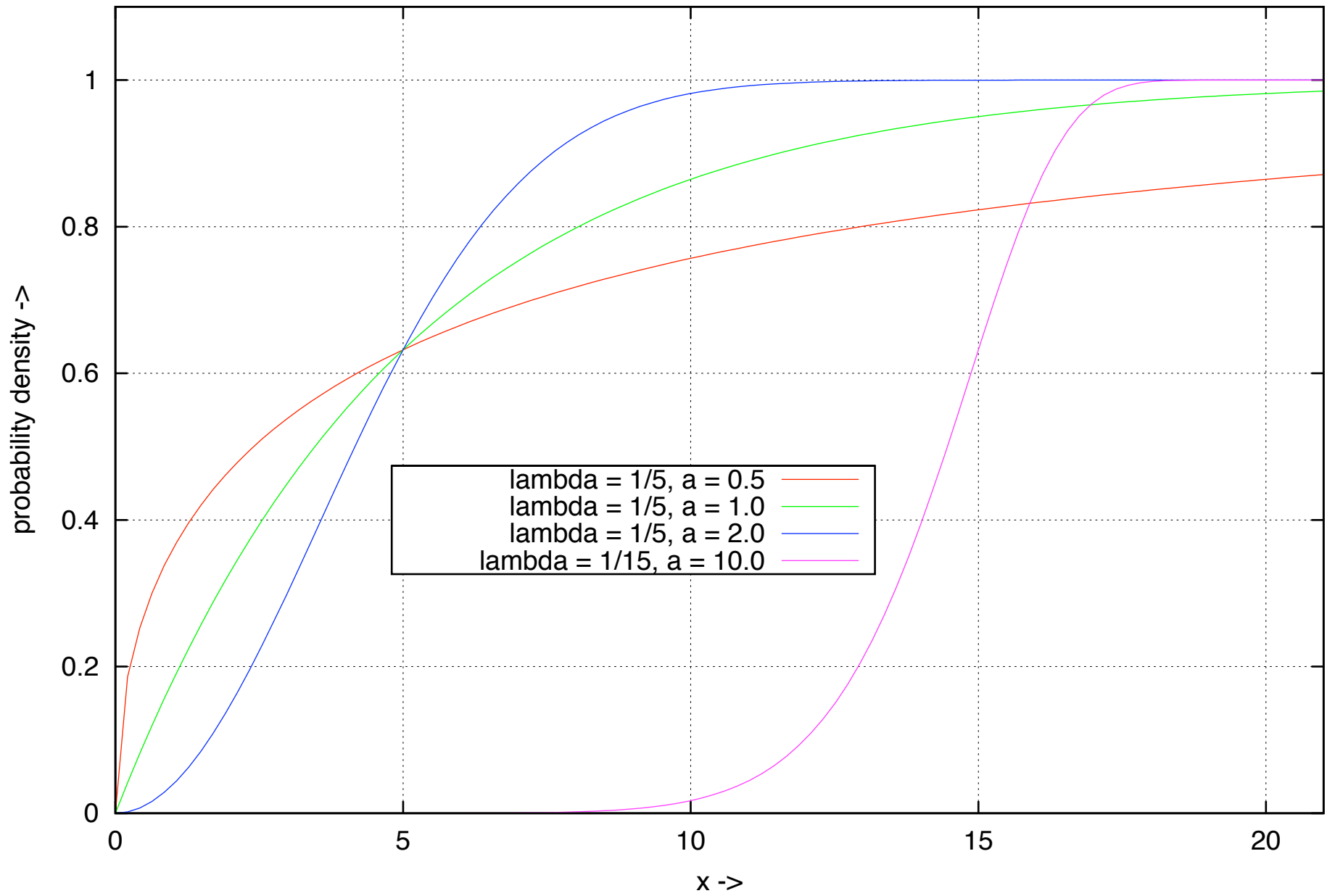
uniform CDF with a = -2.0, b = 2.0



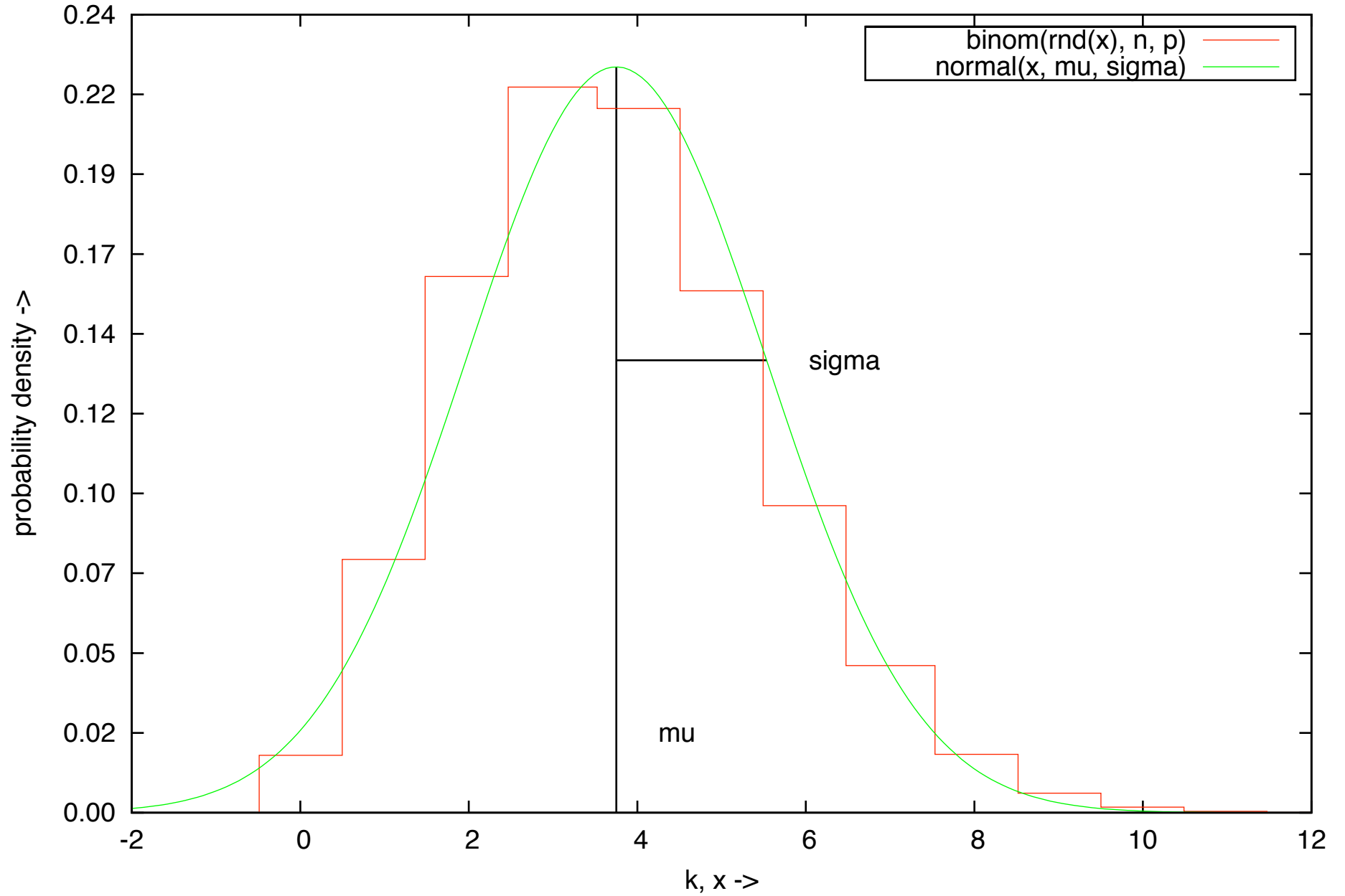
weibull PDF



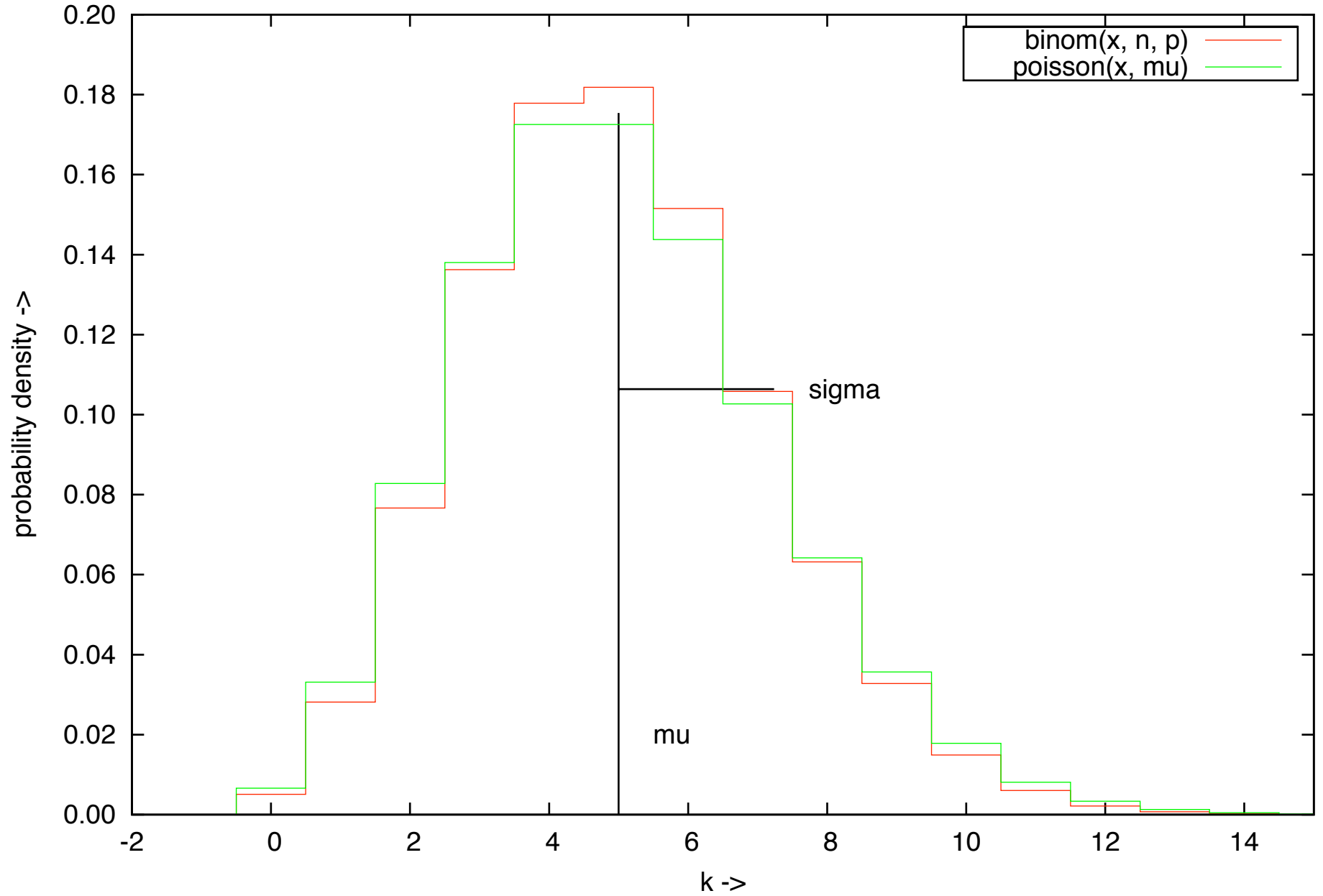
weibull CDF



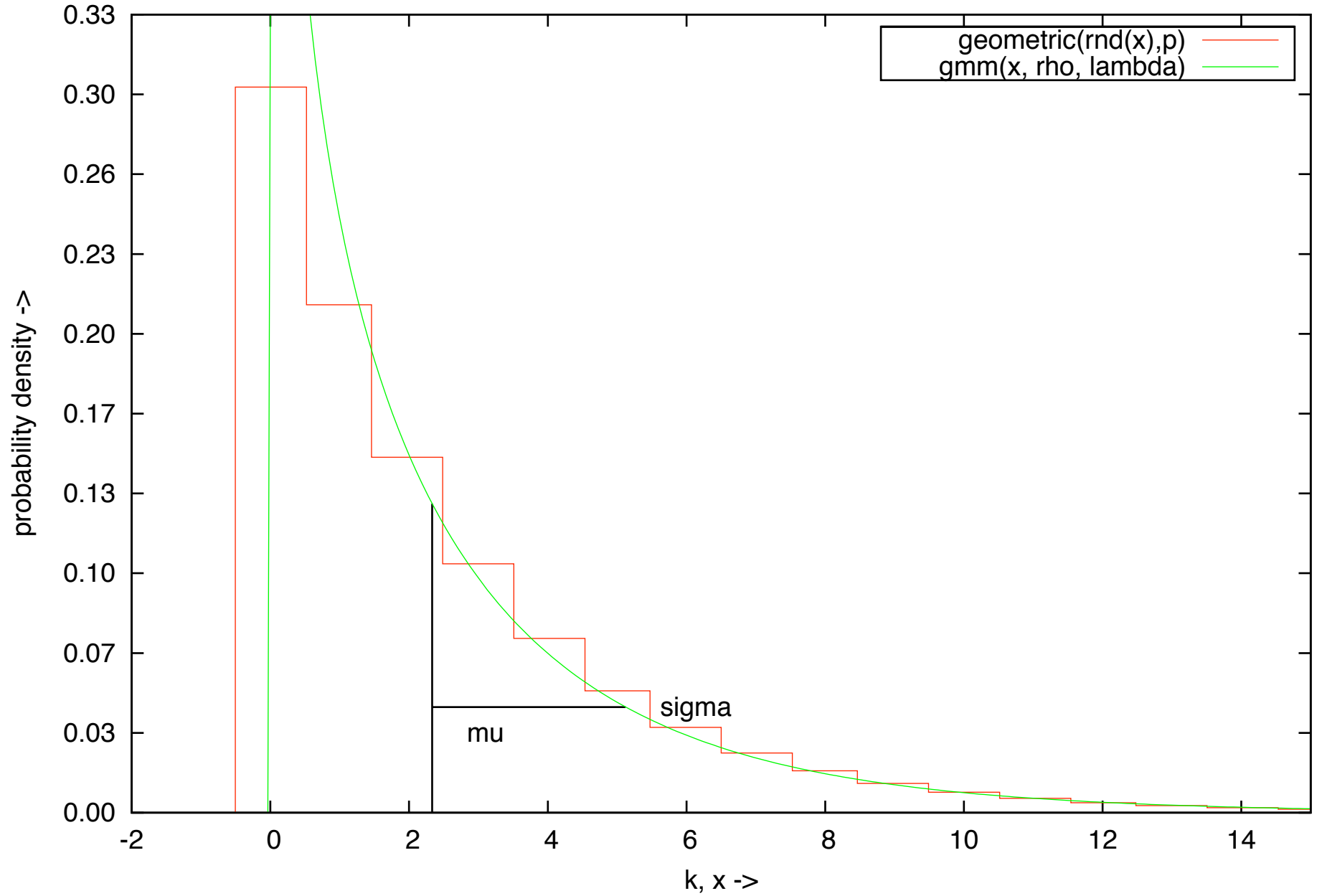
binomial PDF using normal approximation



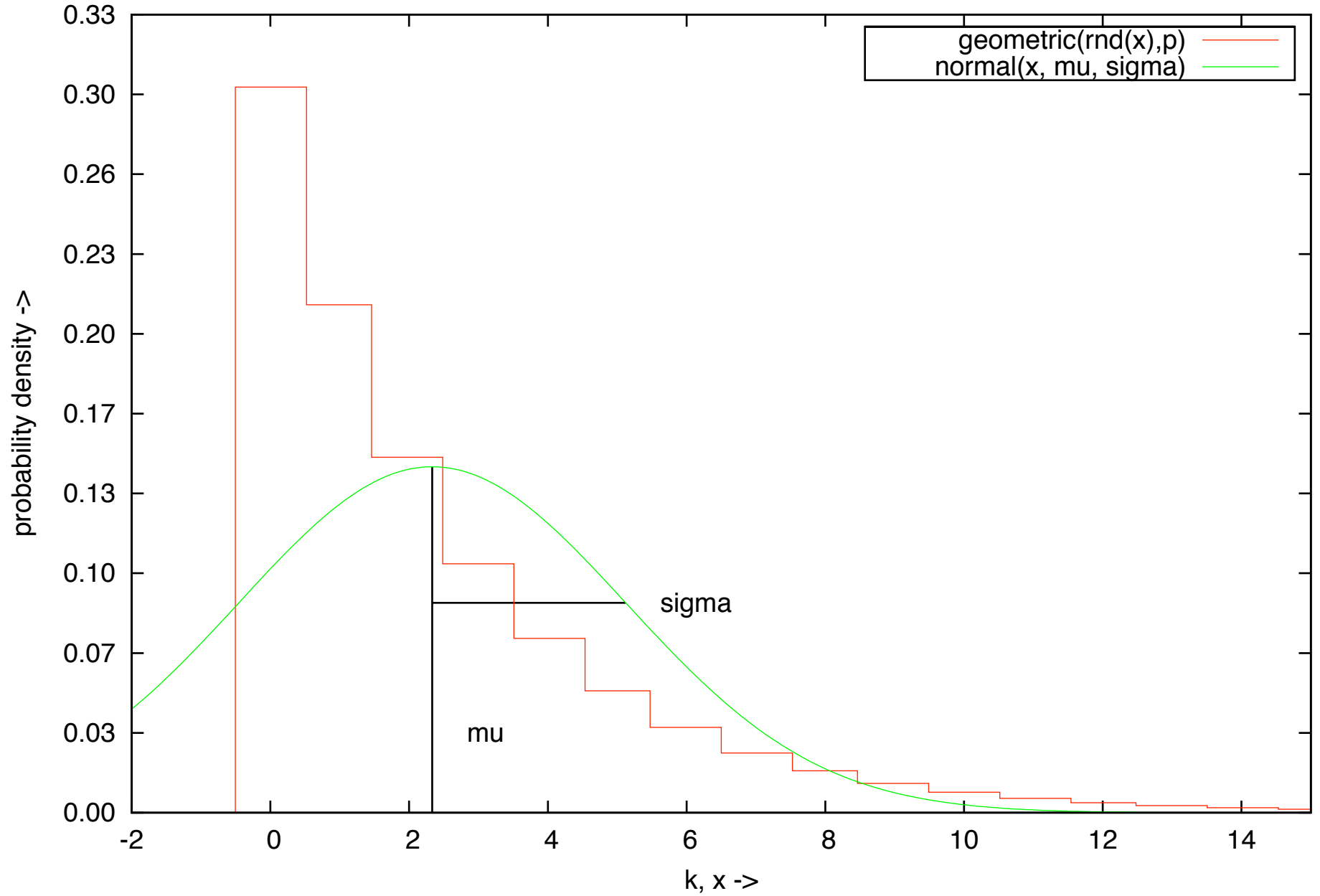
binomial PDF using poisson approximation



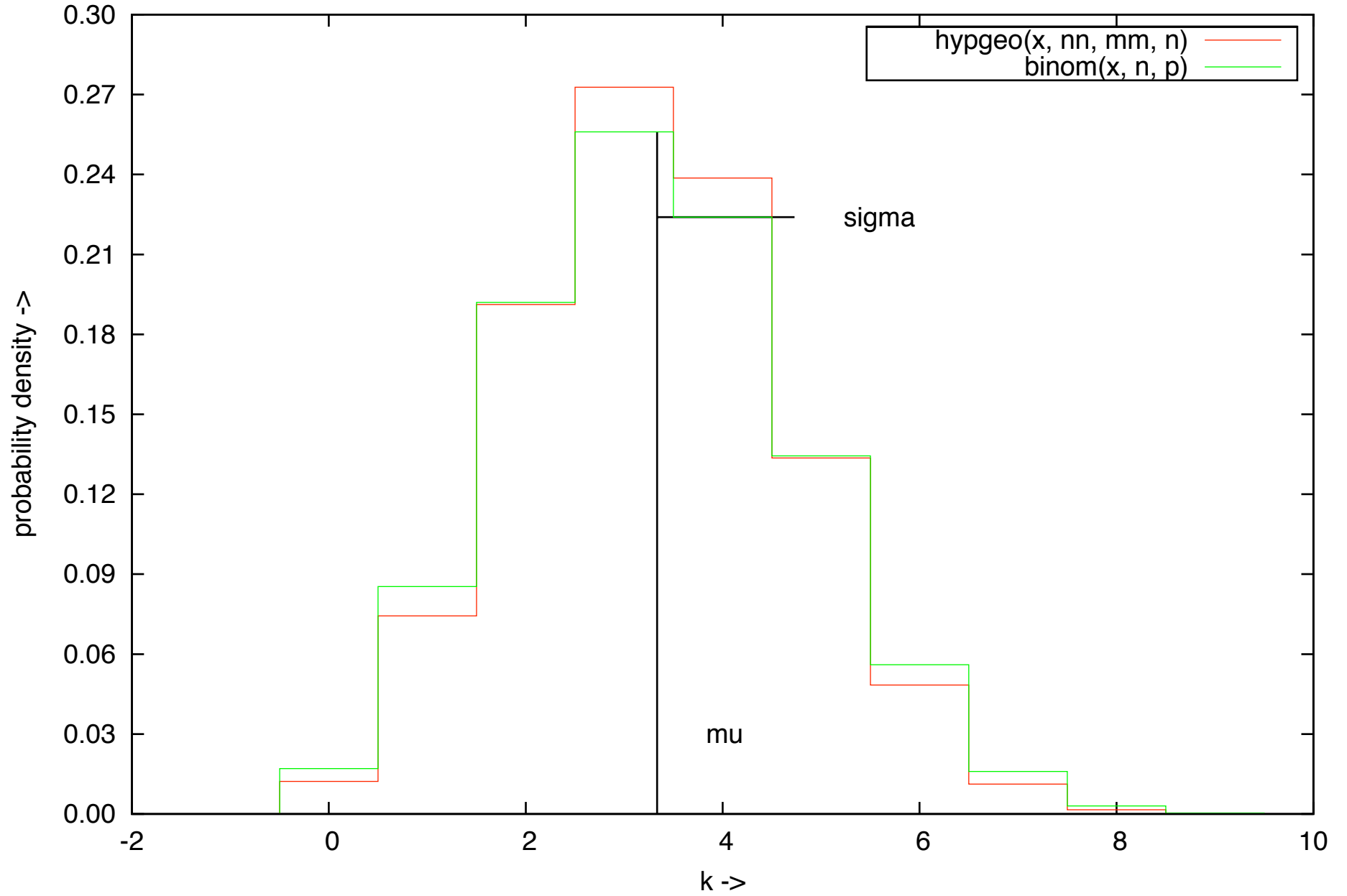
geometric PDF using gamma approximation



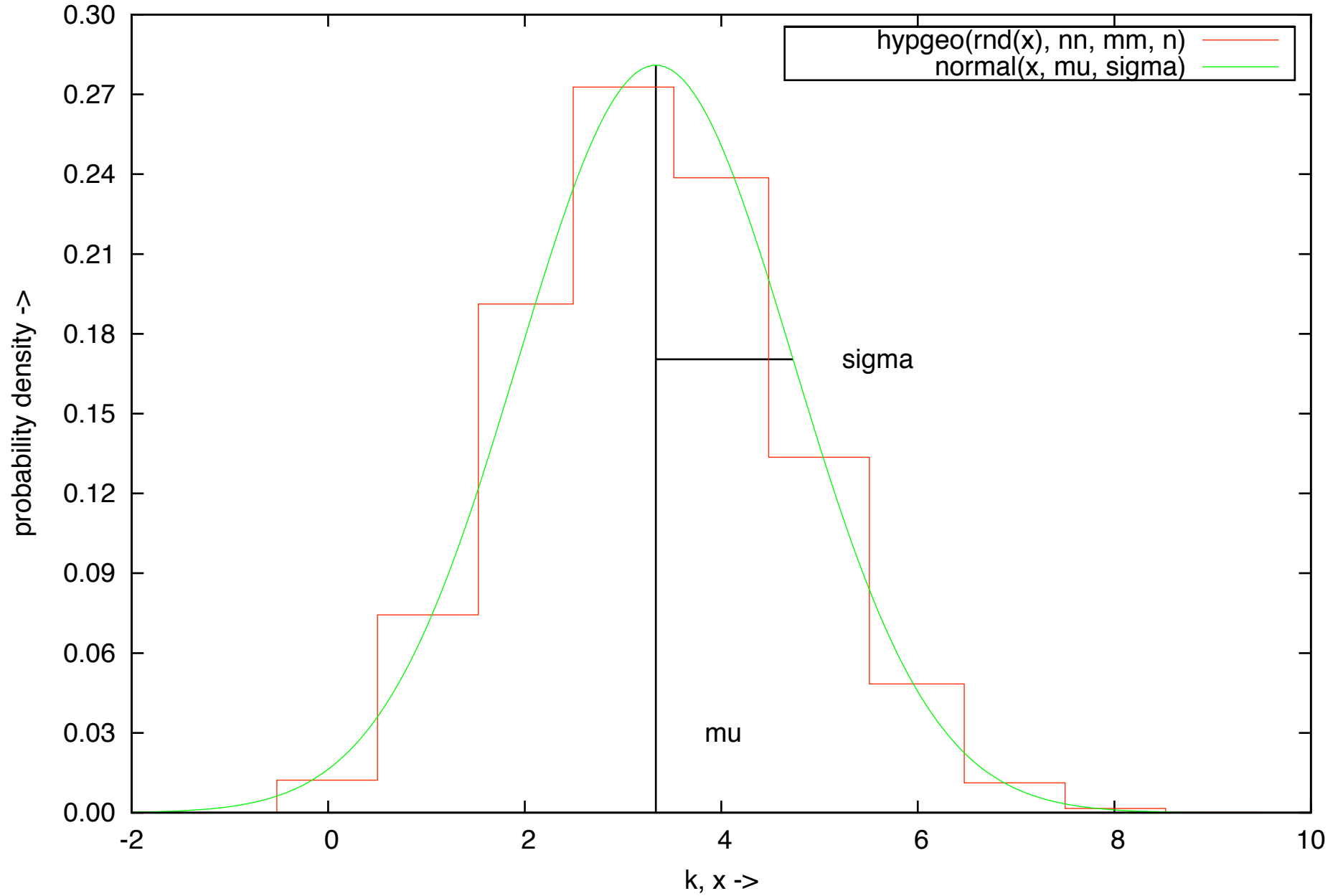
geometric PDF using normal approximation



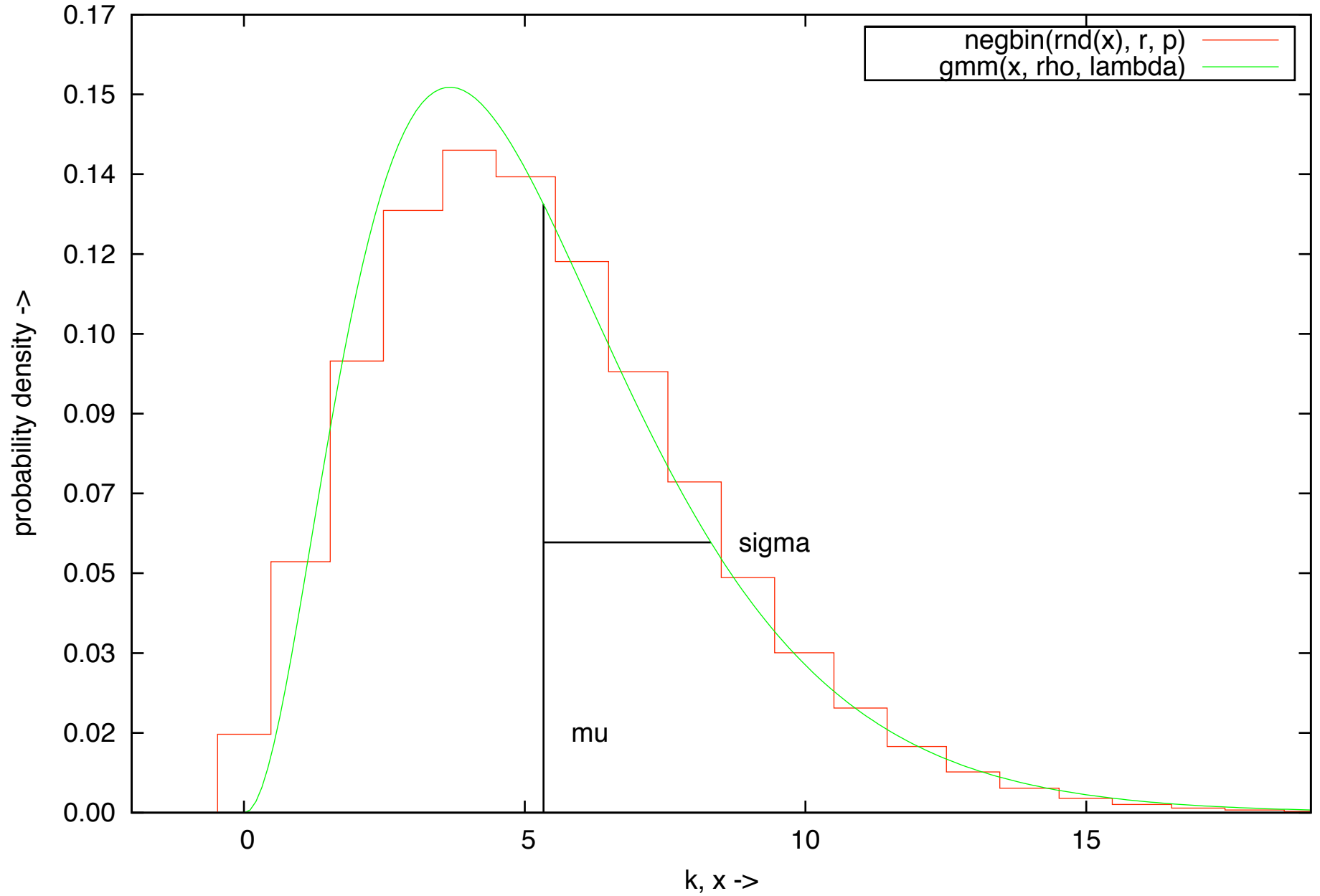
hypergeometric PDF using binomial approximation



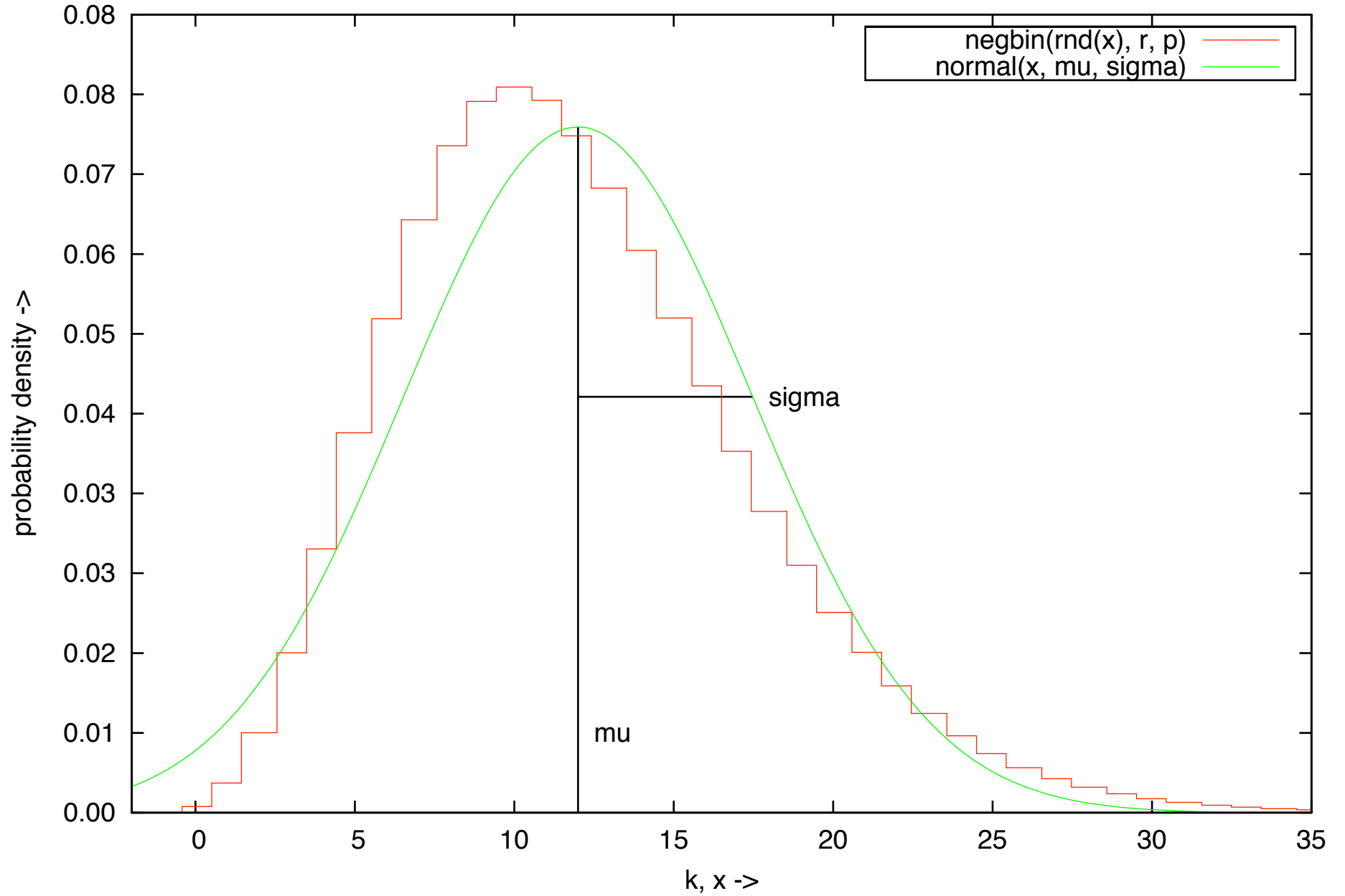
hypergeometric PDF using normal approximation



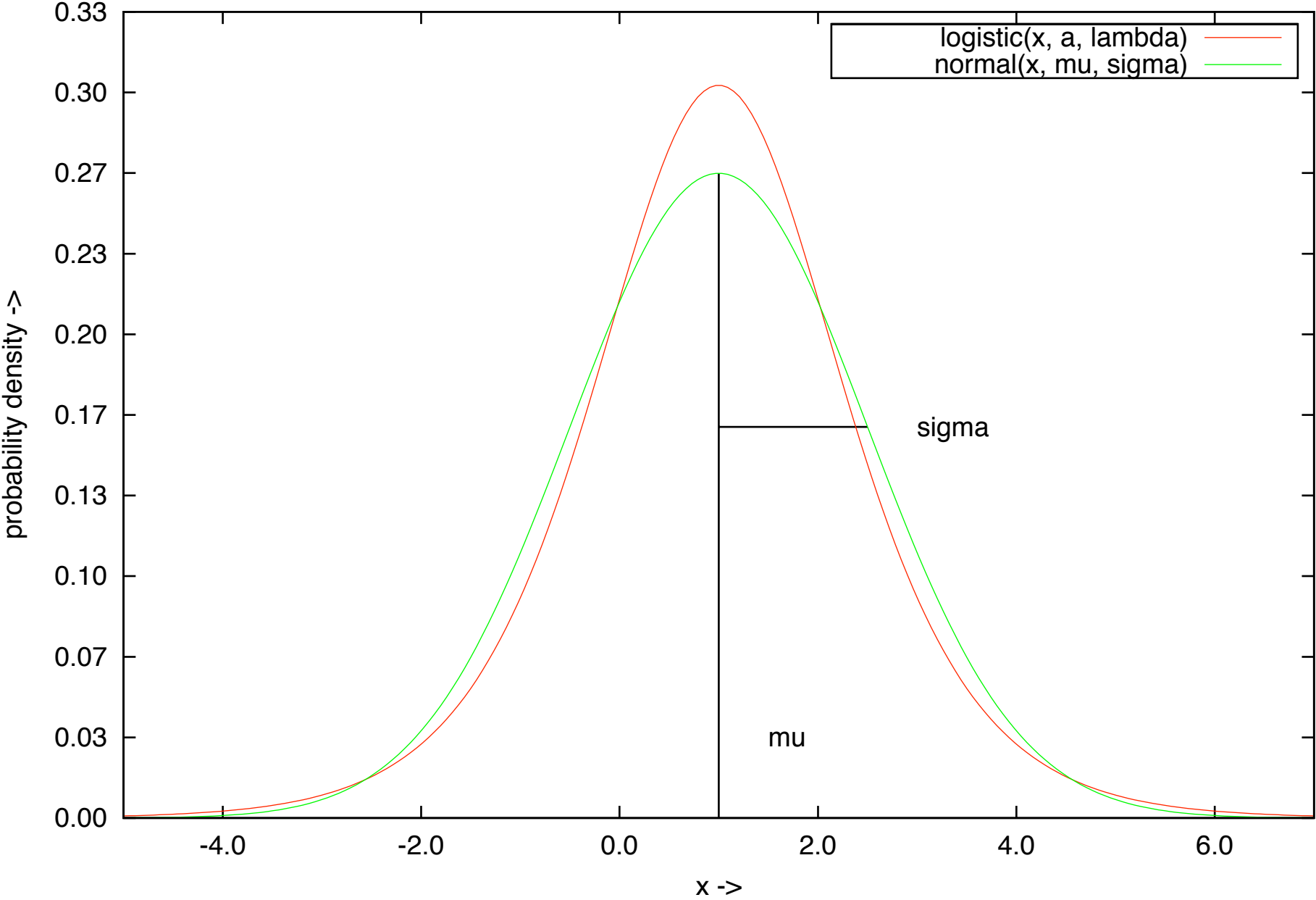
negative binomial PDF using gamma approximation



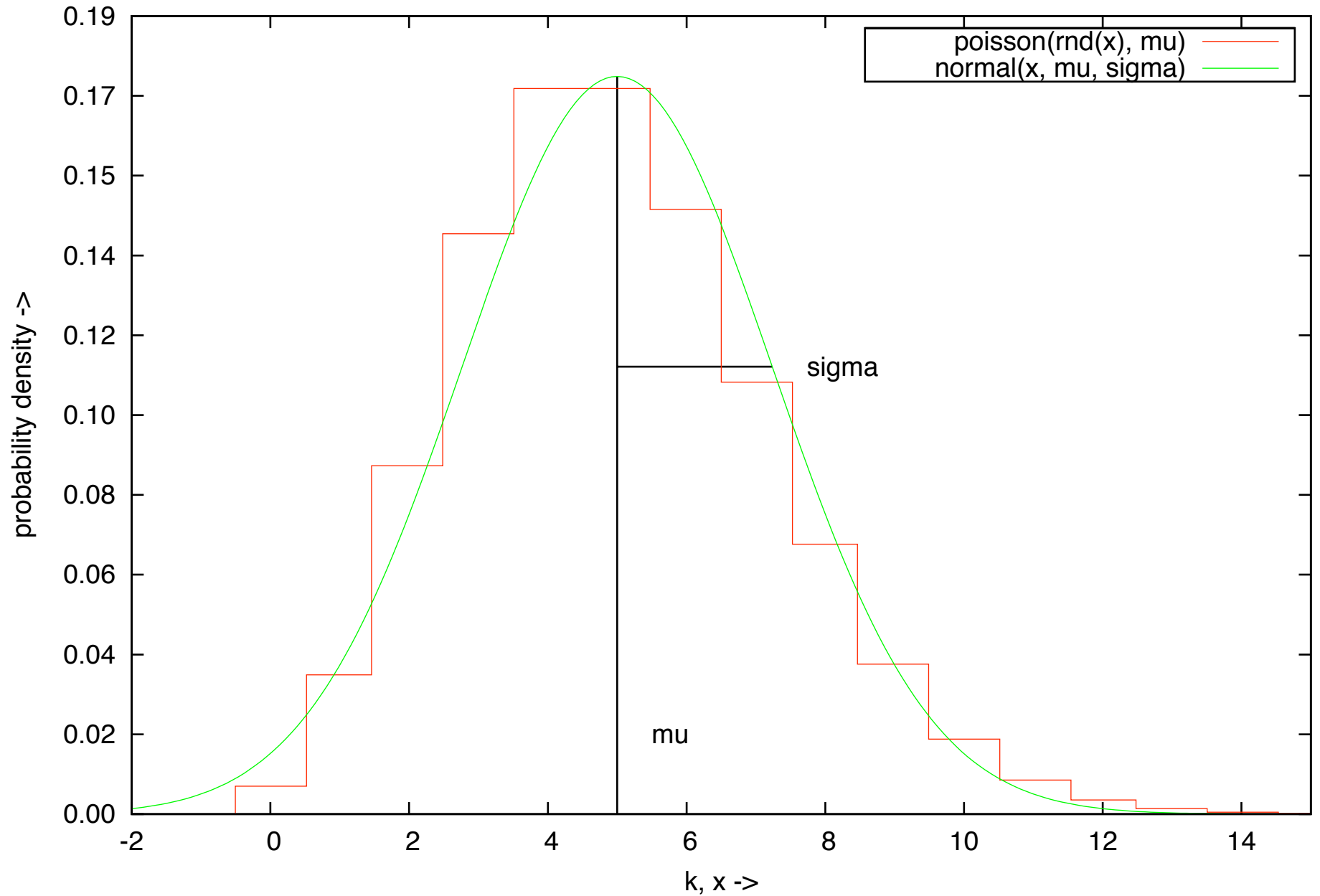
negative binomial PDF using normal approximation



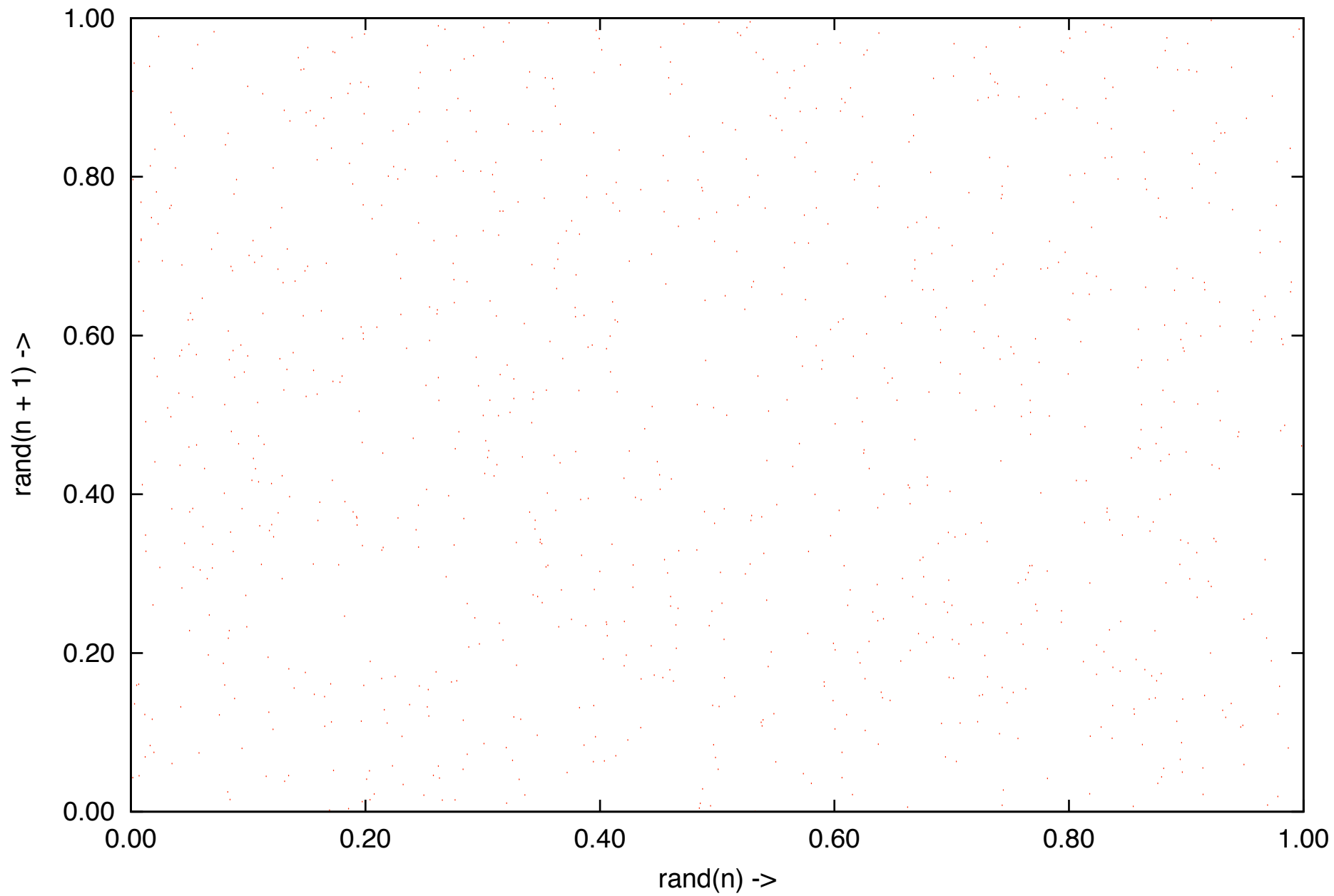
normal PDF using logistic approximation



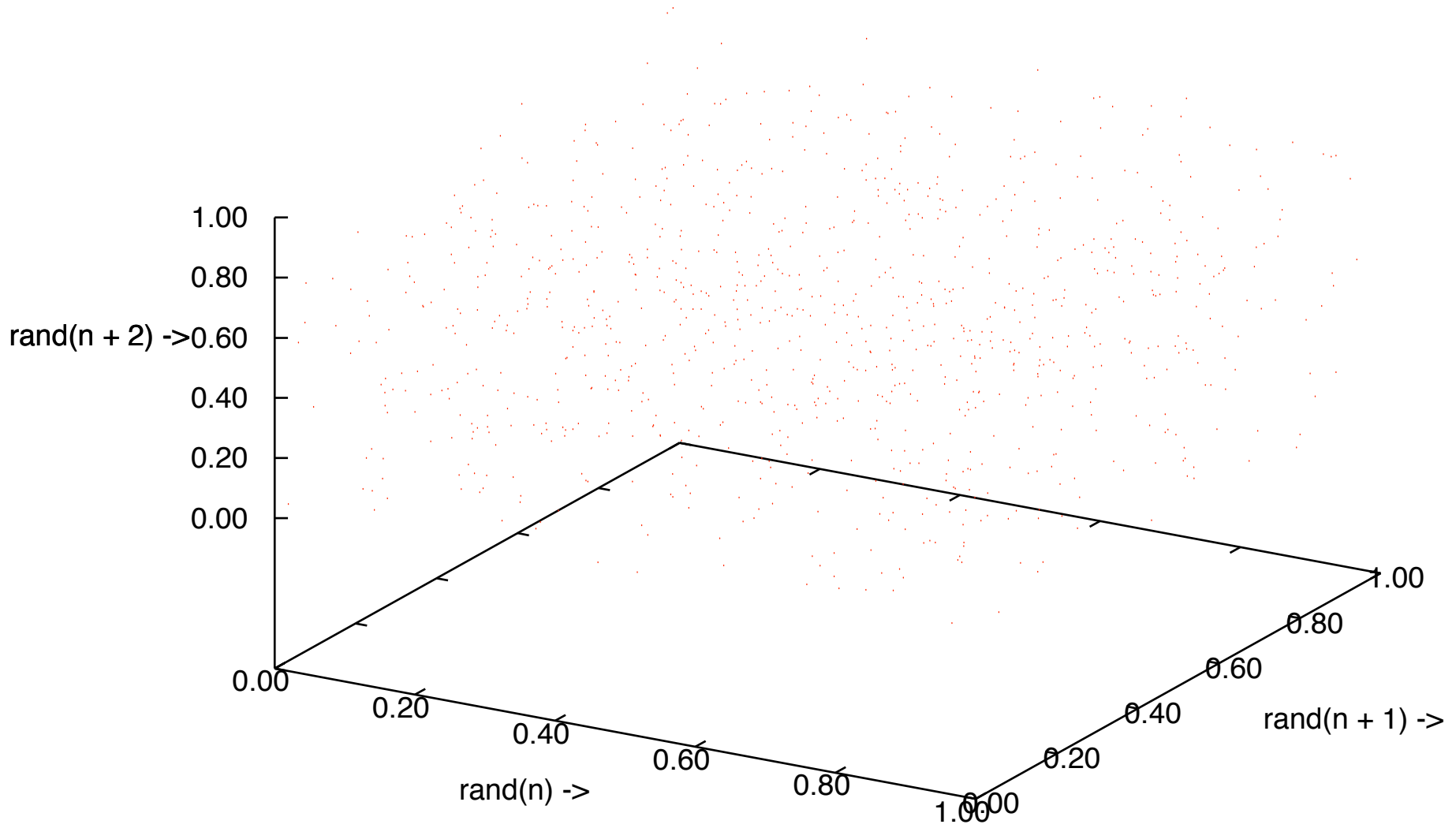
poisson PDF using normal approximation



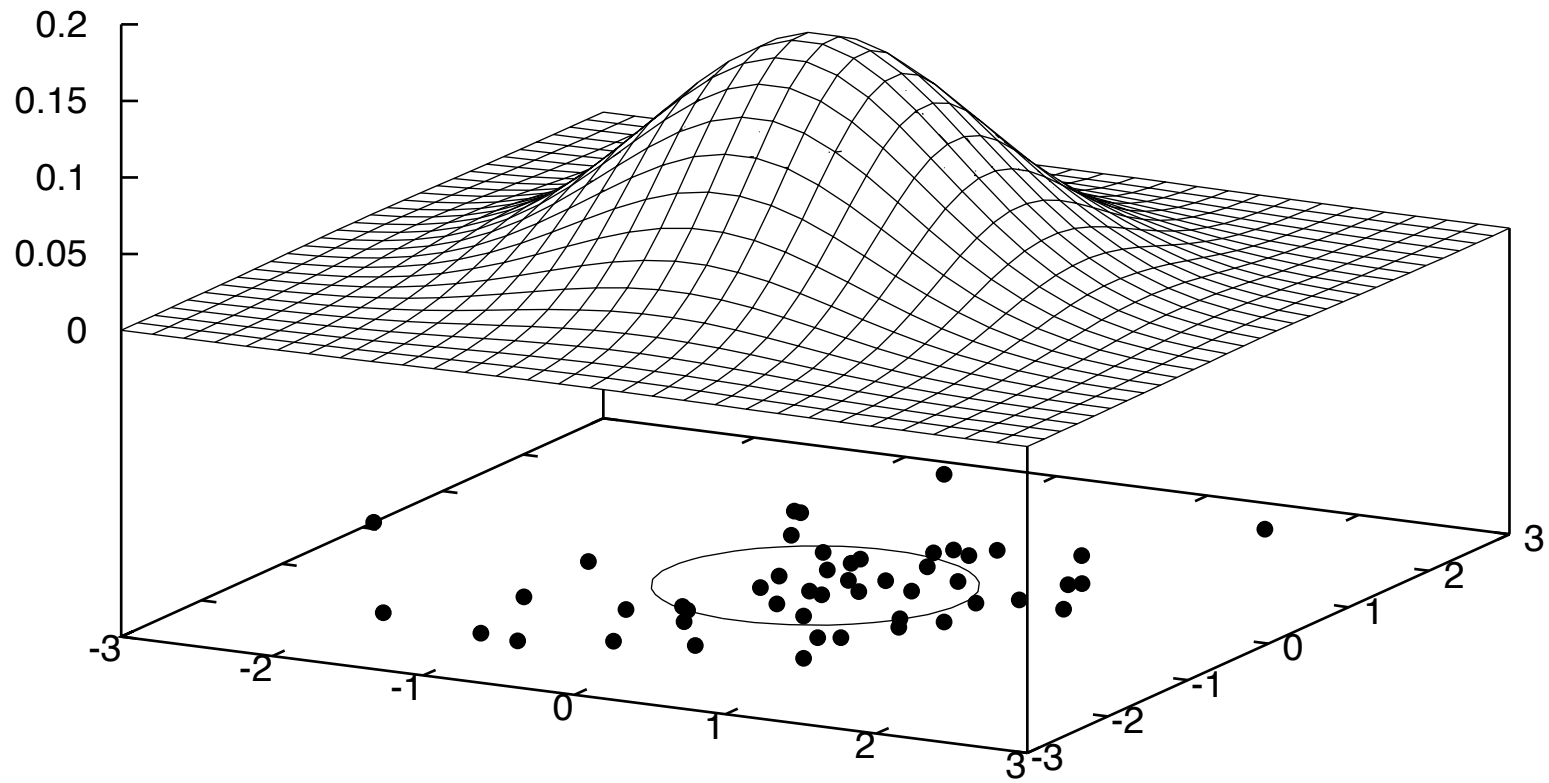
Lattice test for random numbers



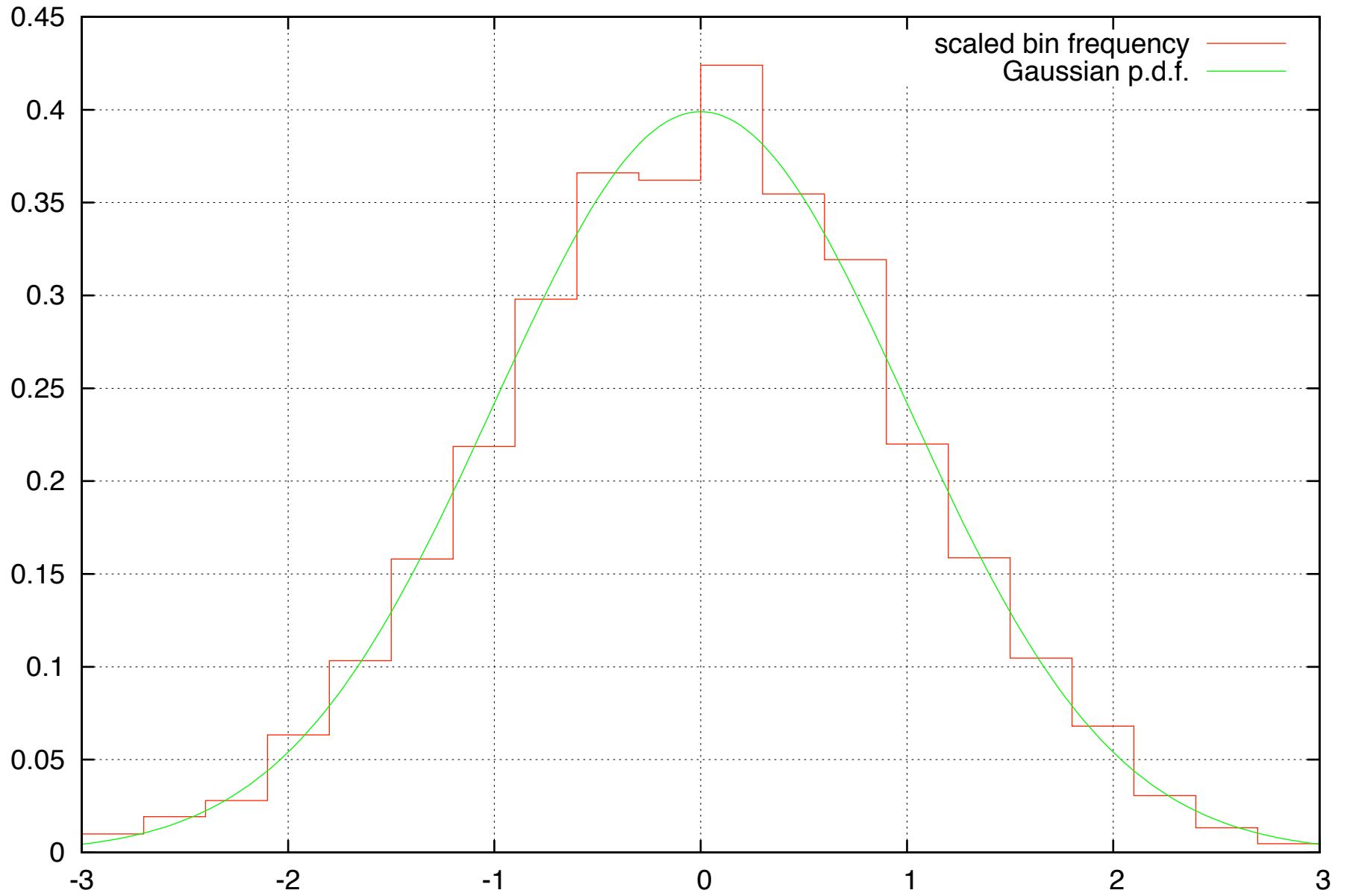
Lattice test for random numbers



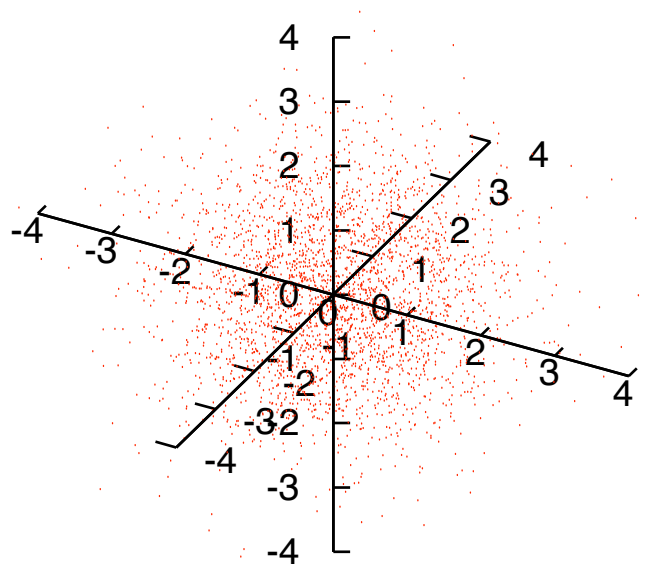
50 random samples from a 2D Gaussian PDF with unit variance, zero mean and no dependence



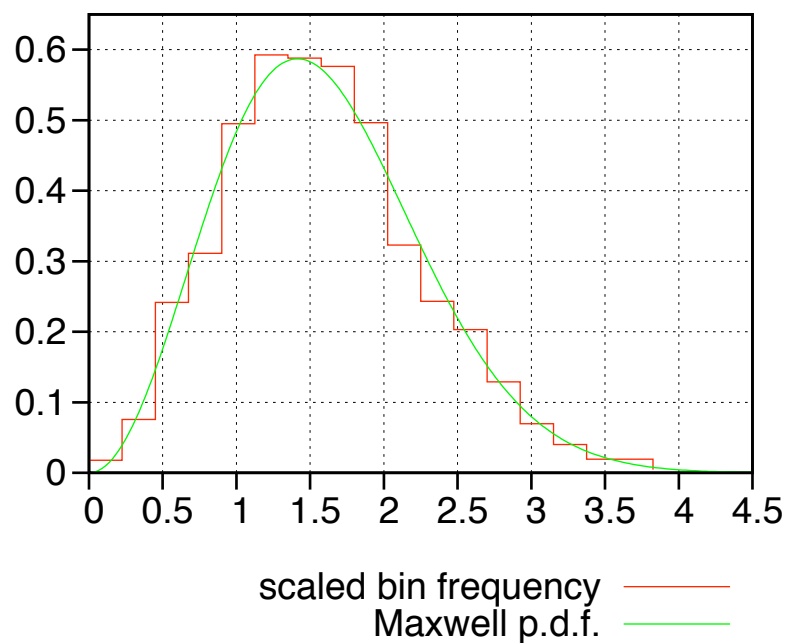
Histogram of 5000 random samples from a univariate Gaussian PDF with unit variance and zero mean



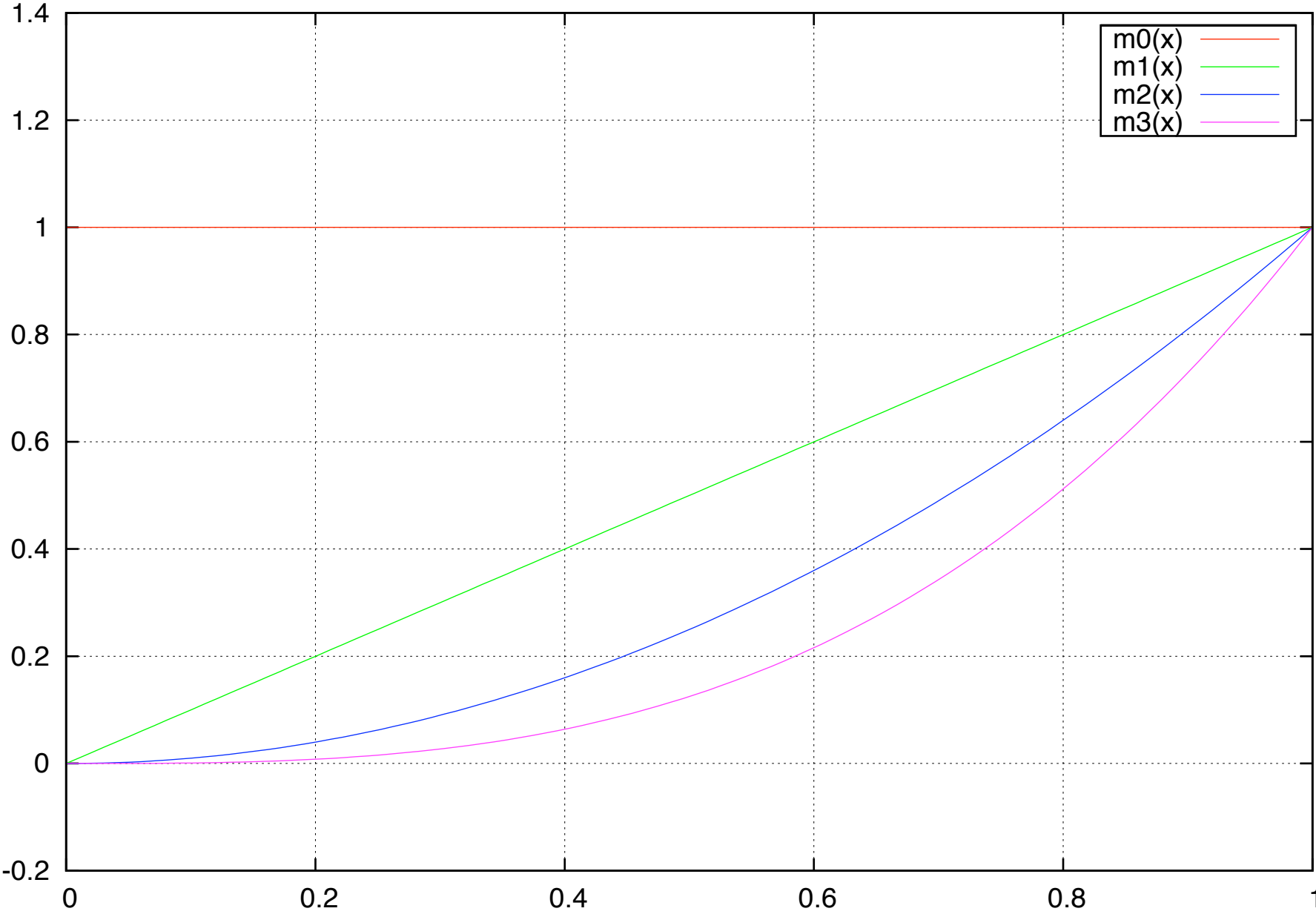
Gaussian 3D cloud of 3000 random samples



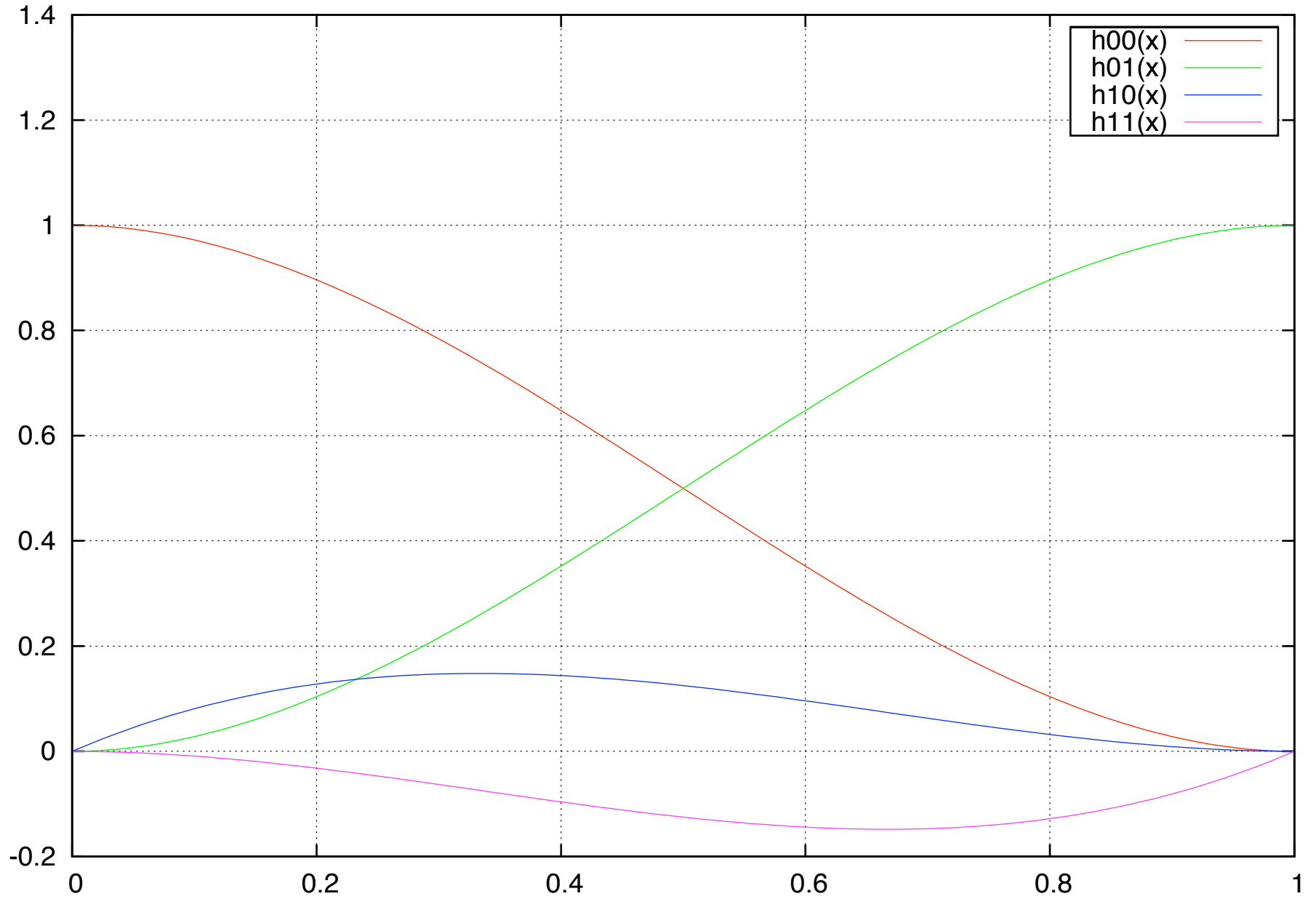
Histogram of distance from origin of 3000 multivariate unit variance samples



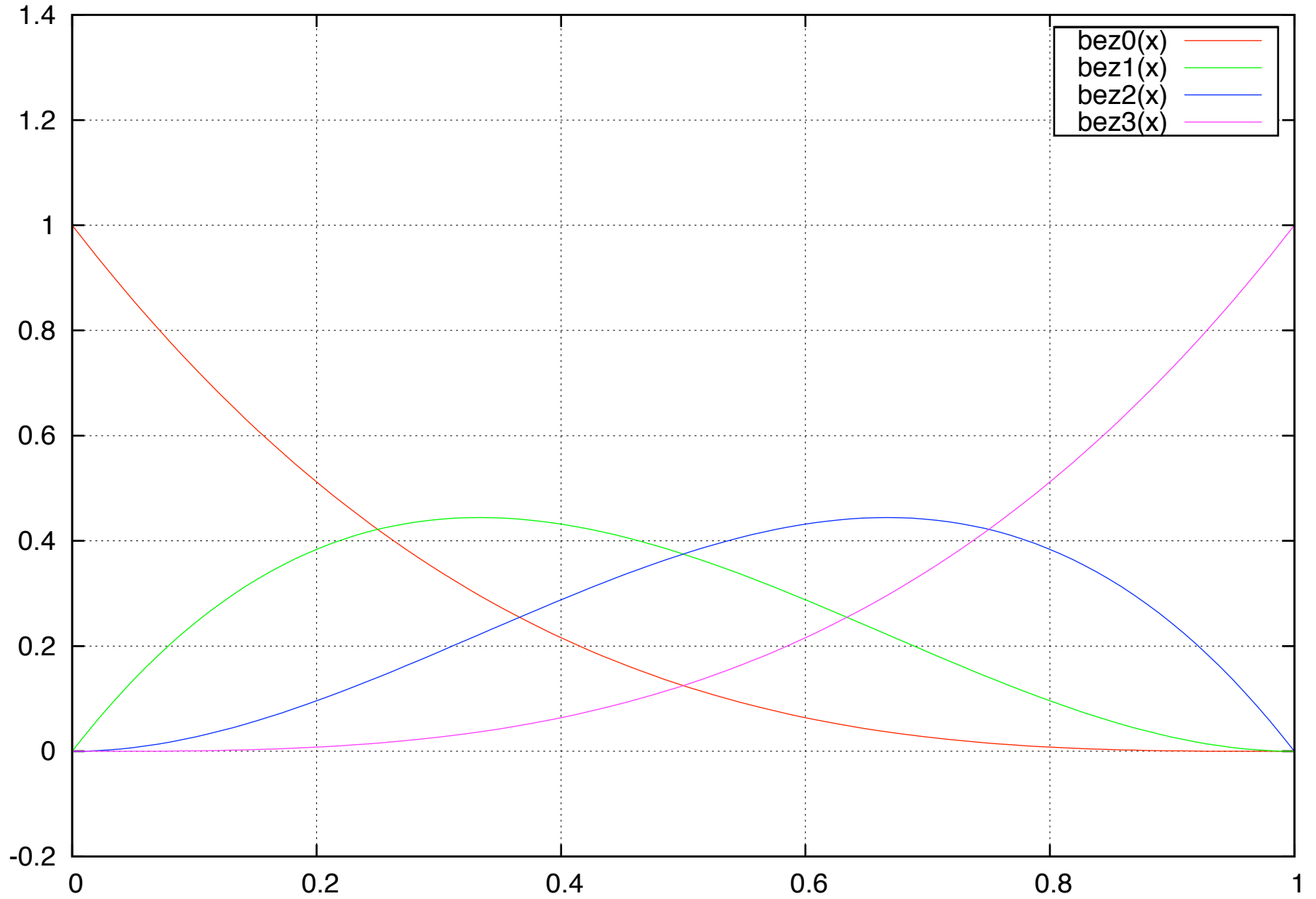
The cubic Monomial basis functions



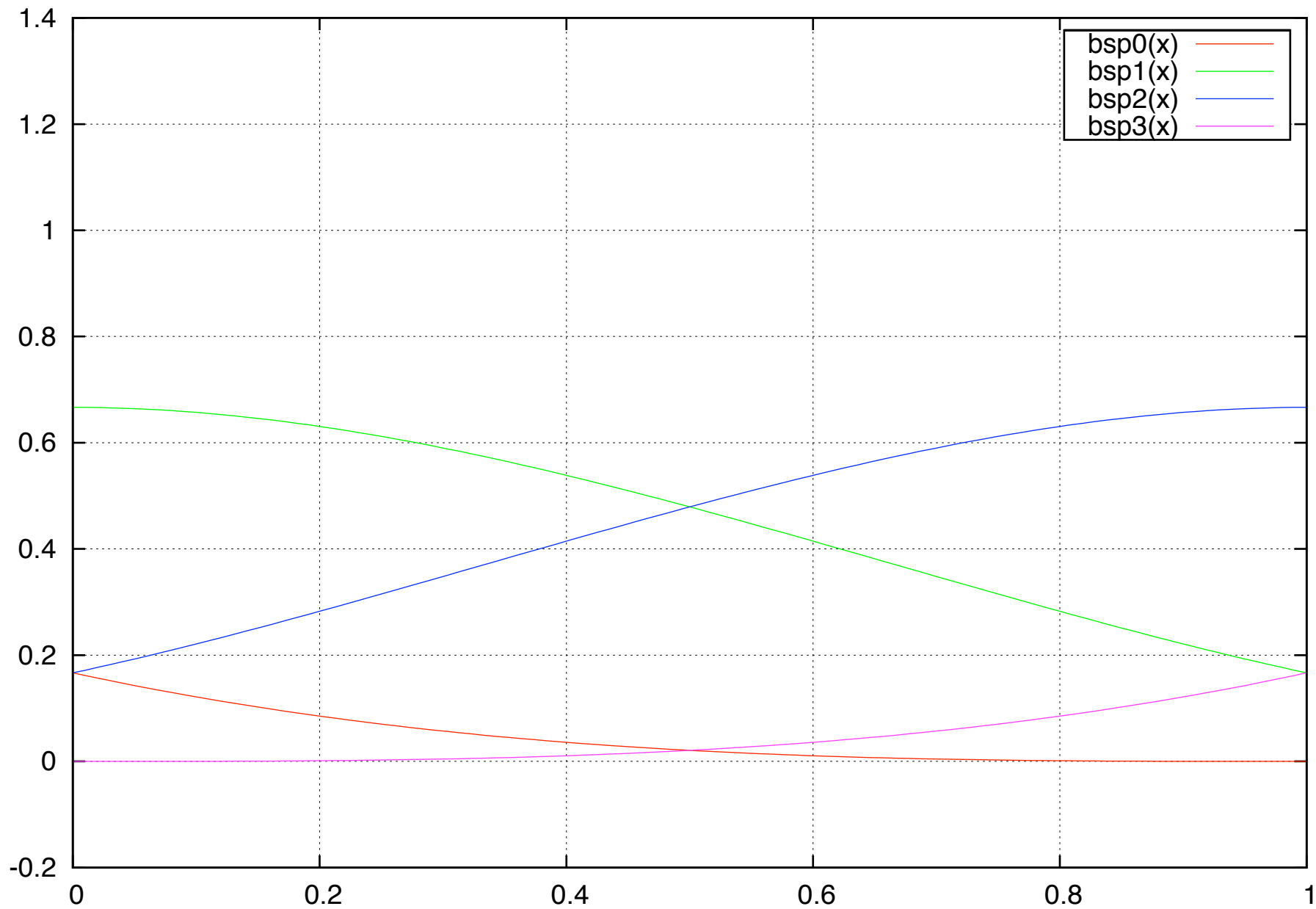
The cubic Hermite basis functions



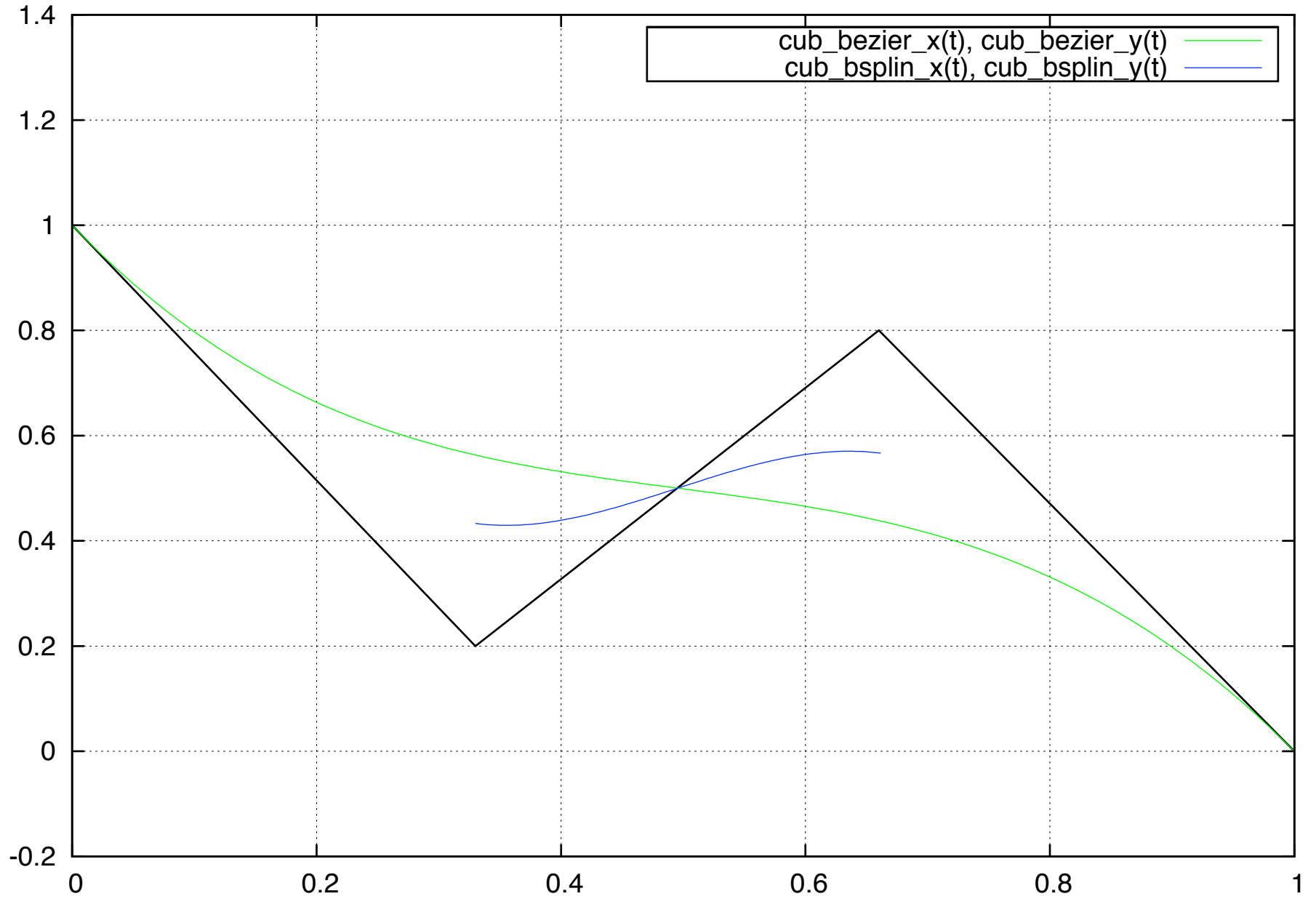
The cubic Bezier basis functions



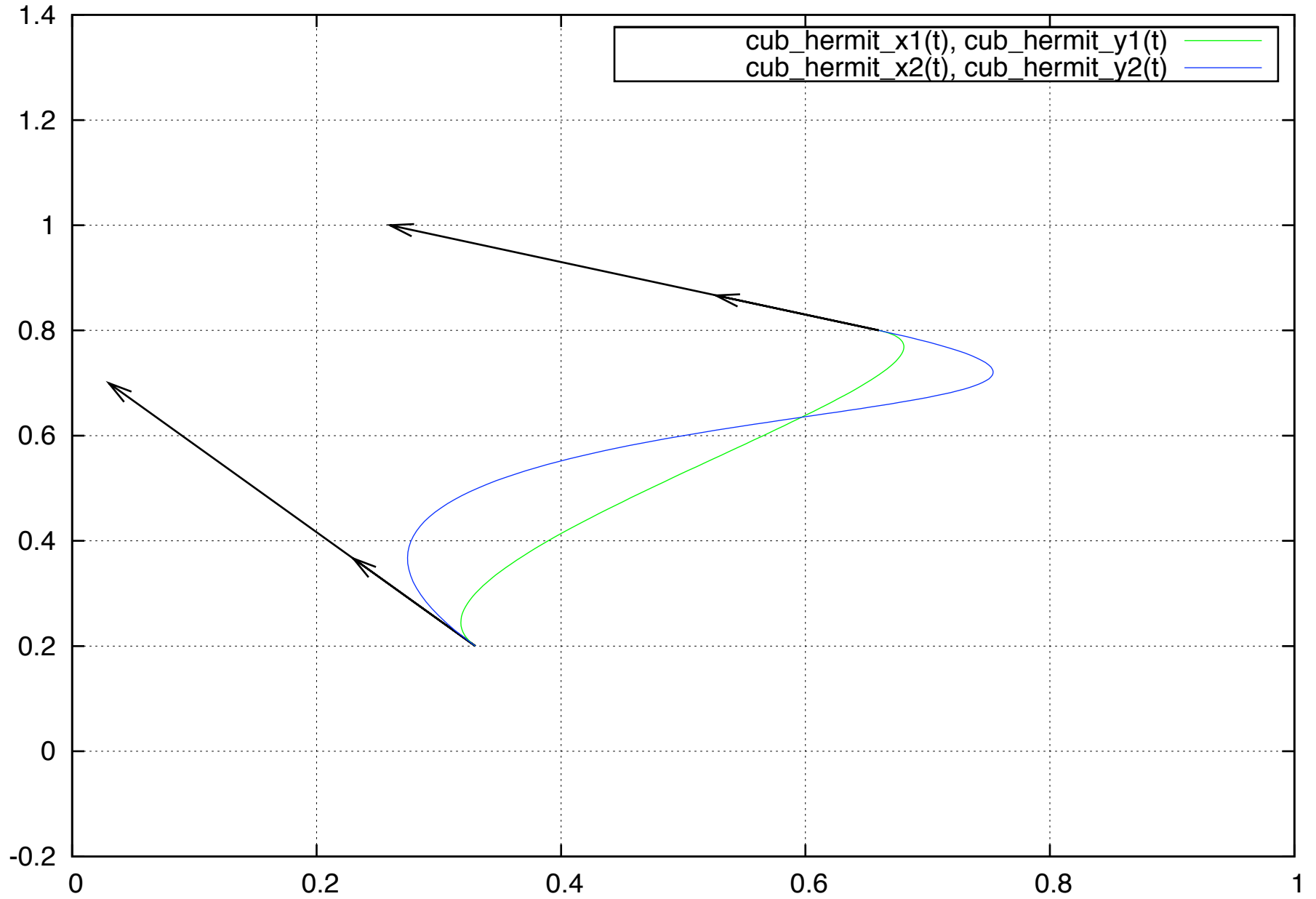
The cubic uniform B-spline basis functions



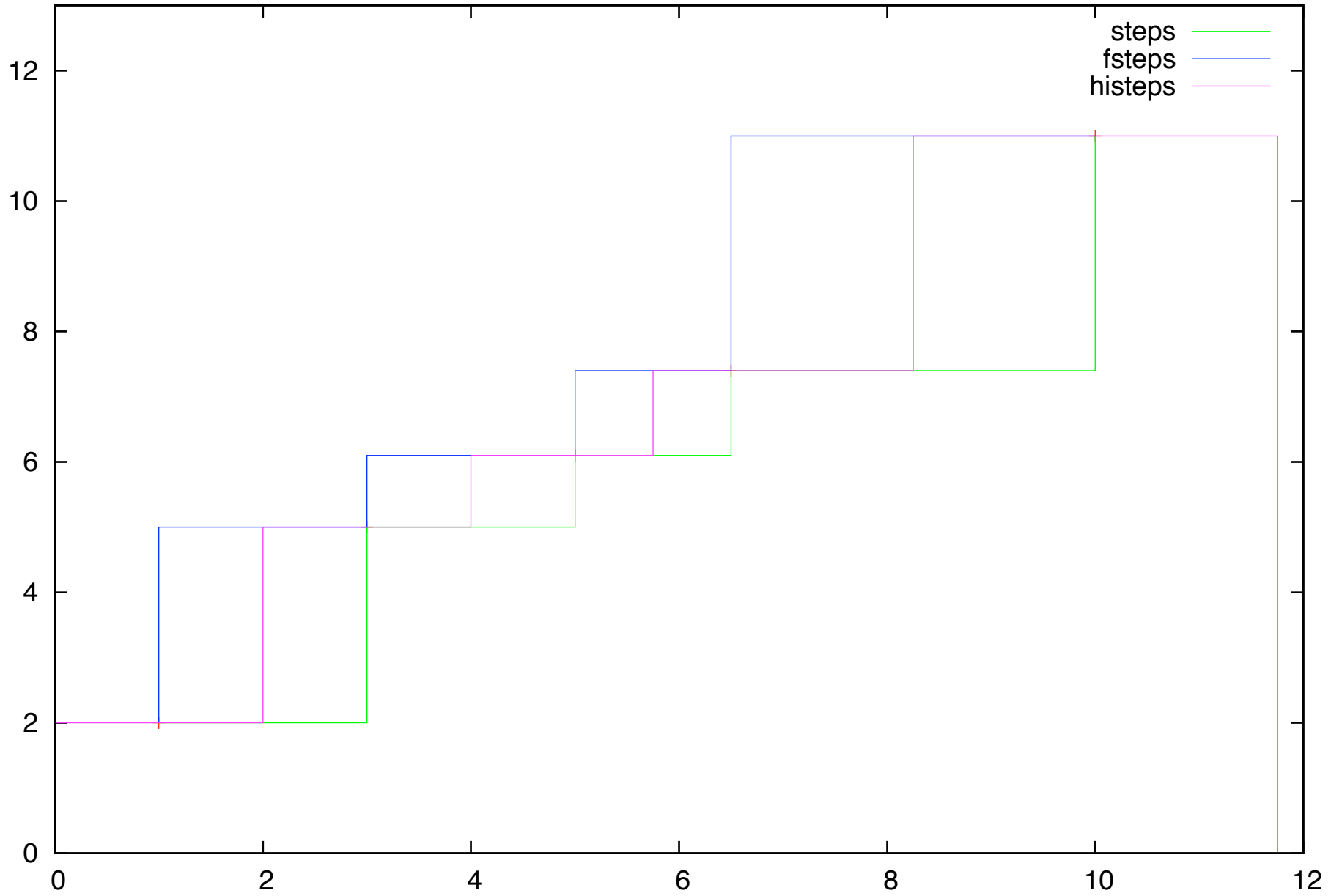
The cubic Bezier/Bspline basis functions in use



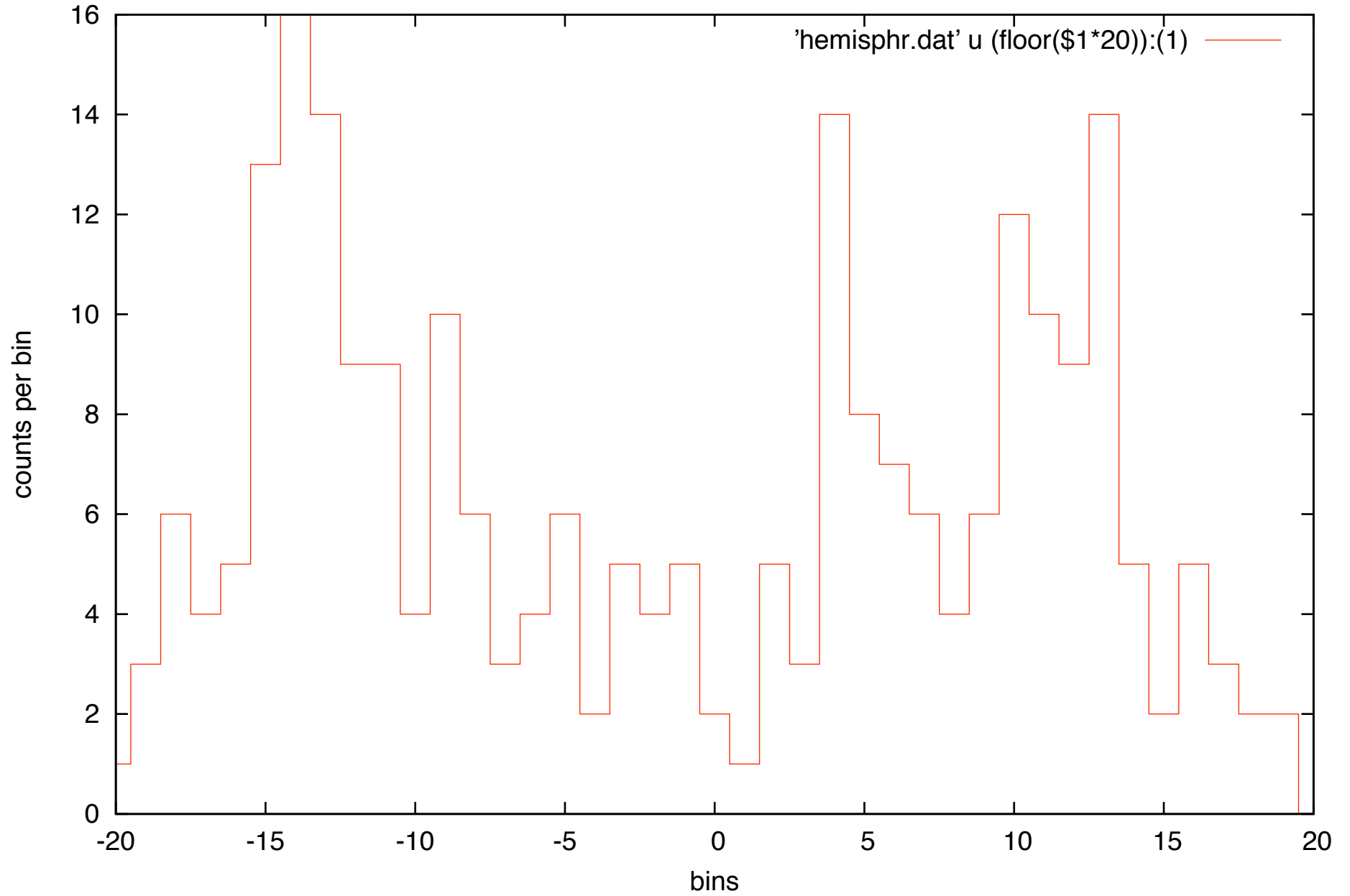
The cubic Hermite basis functions in use



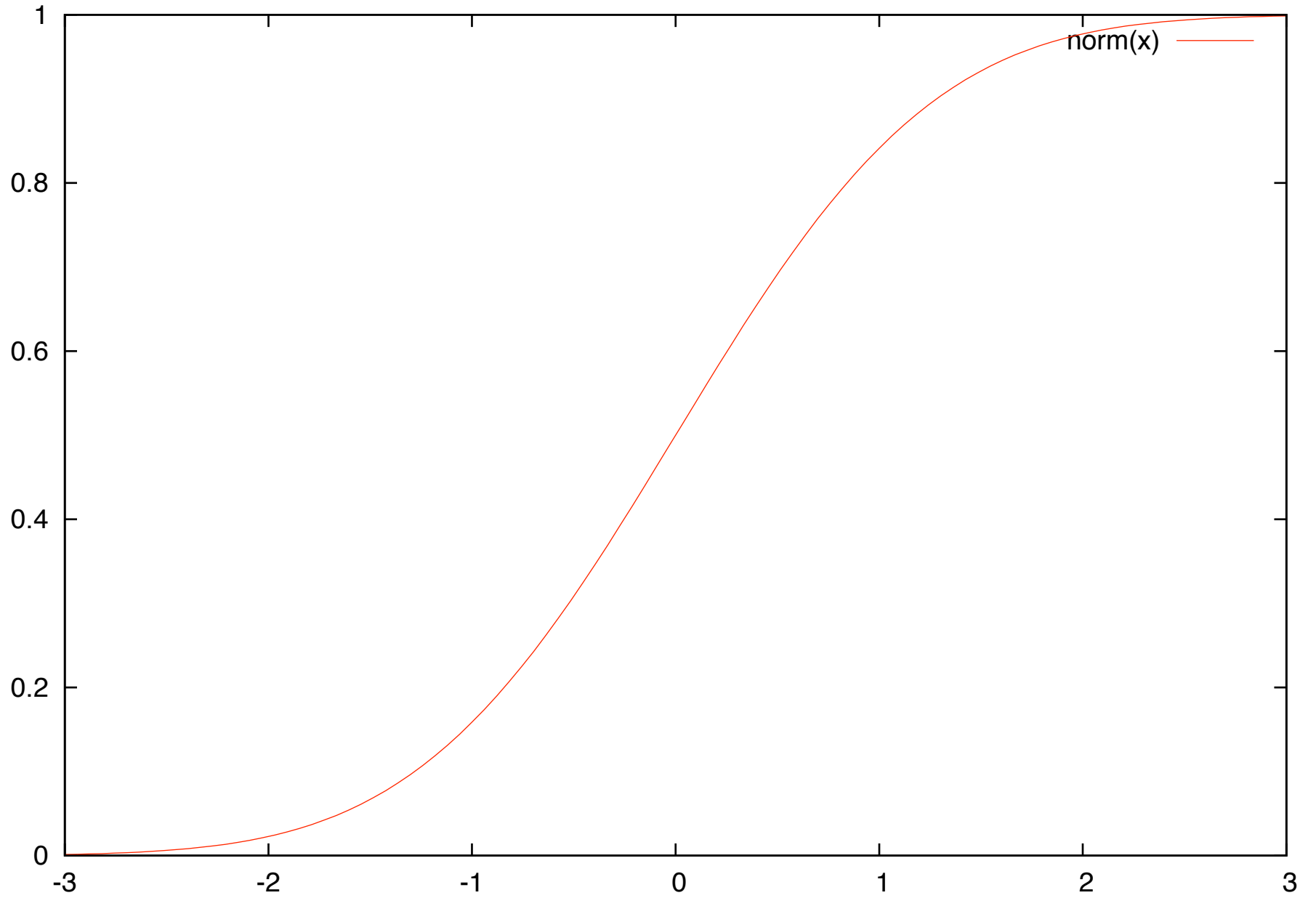
Compare steps, fsteps and histeps



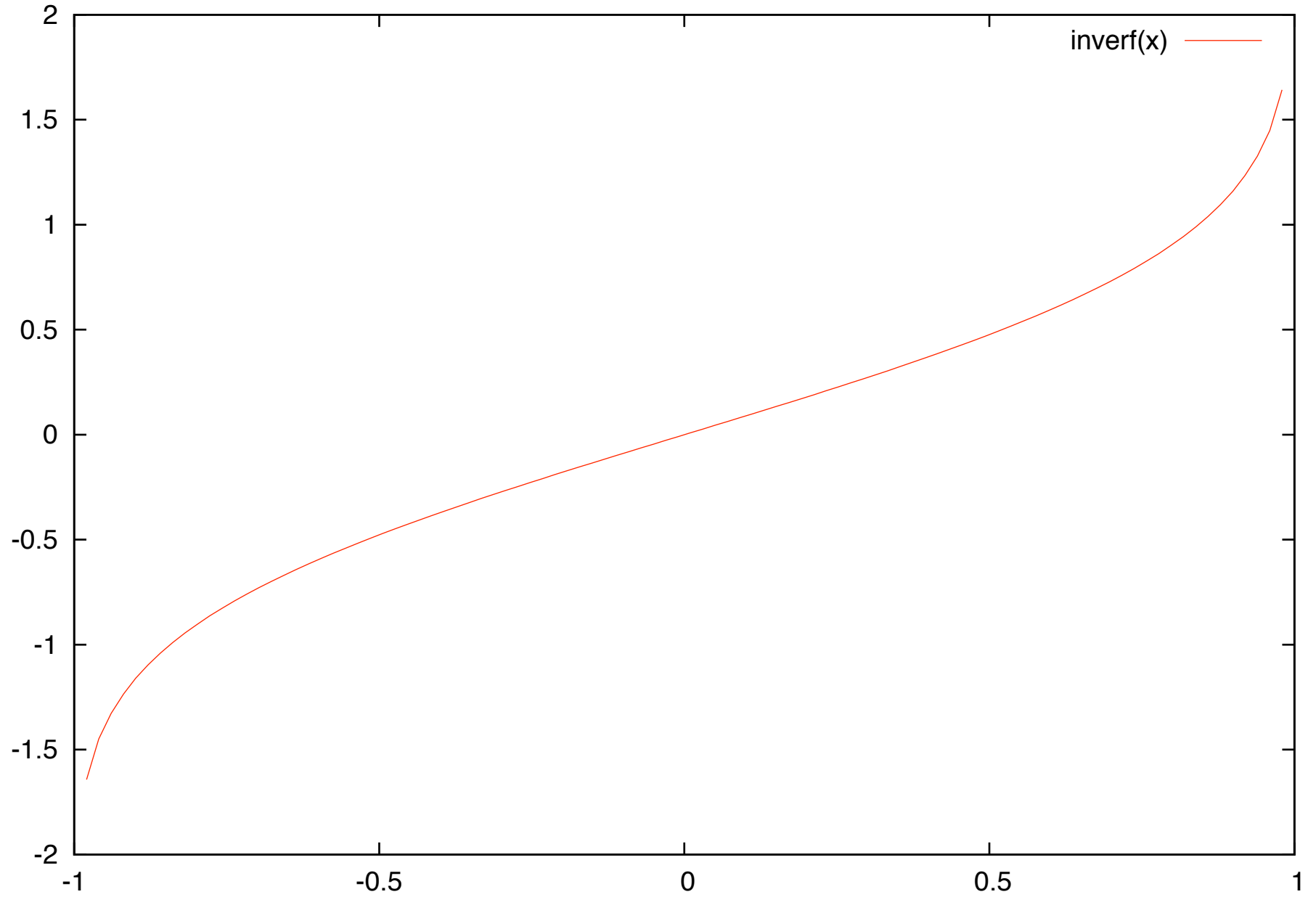
Histogram built from unsorted data by 'smooth frequency'



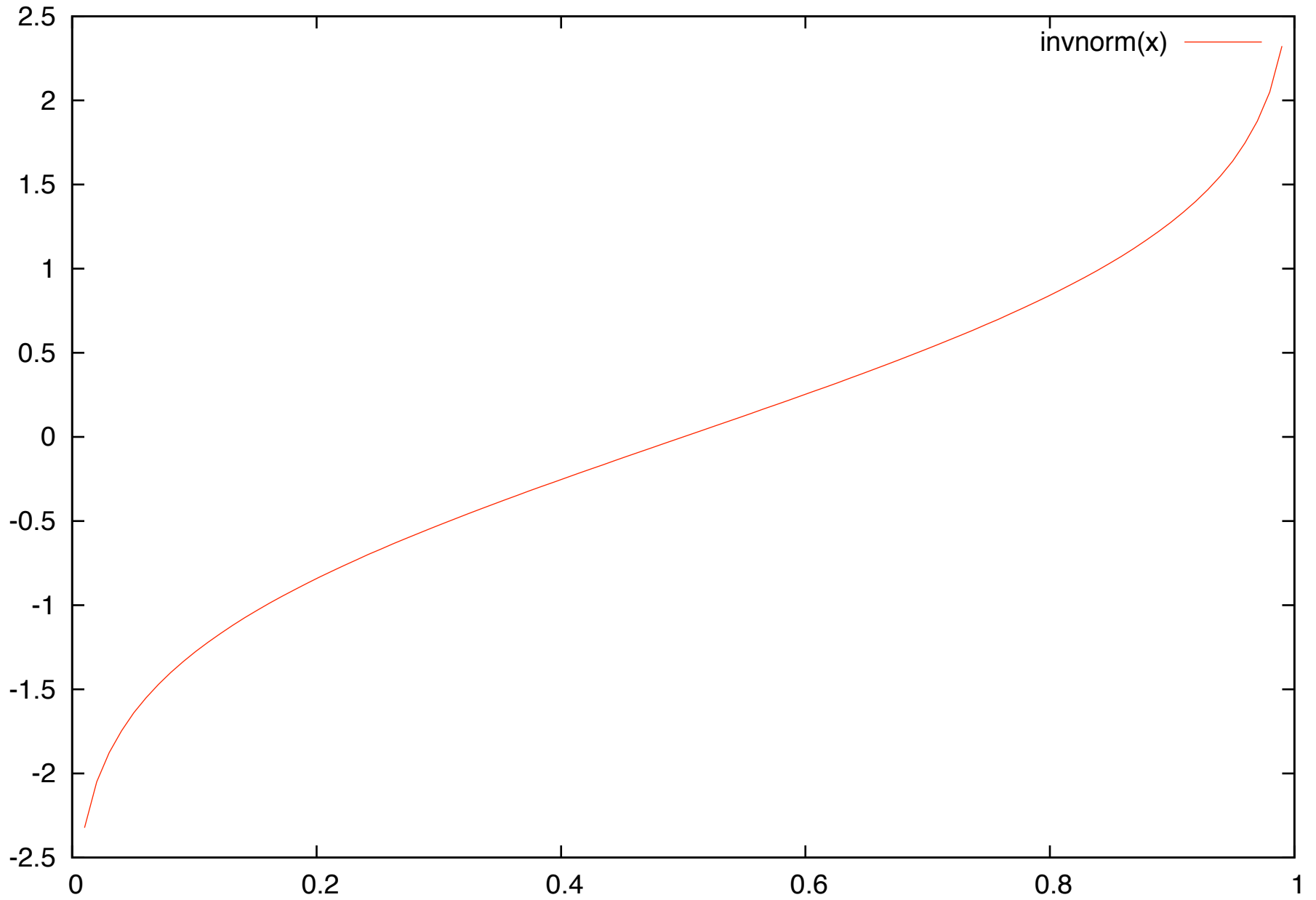
Normal Distribution Function



Inverse Error Function

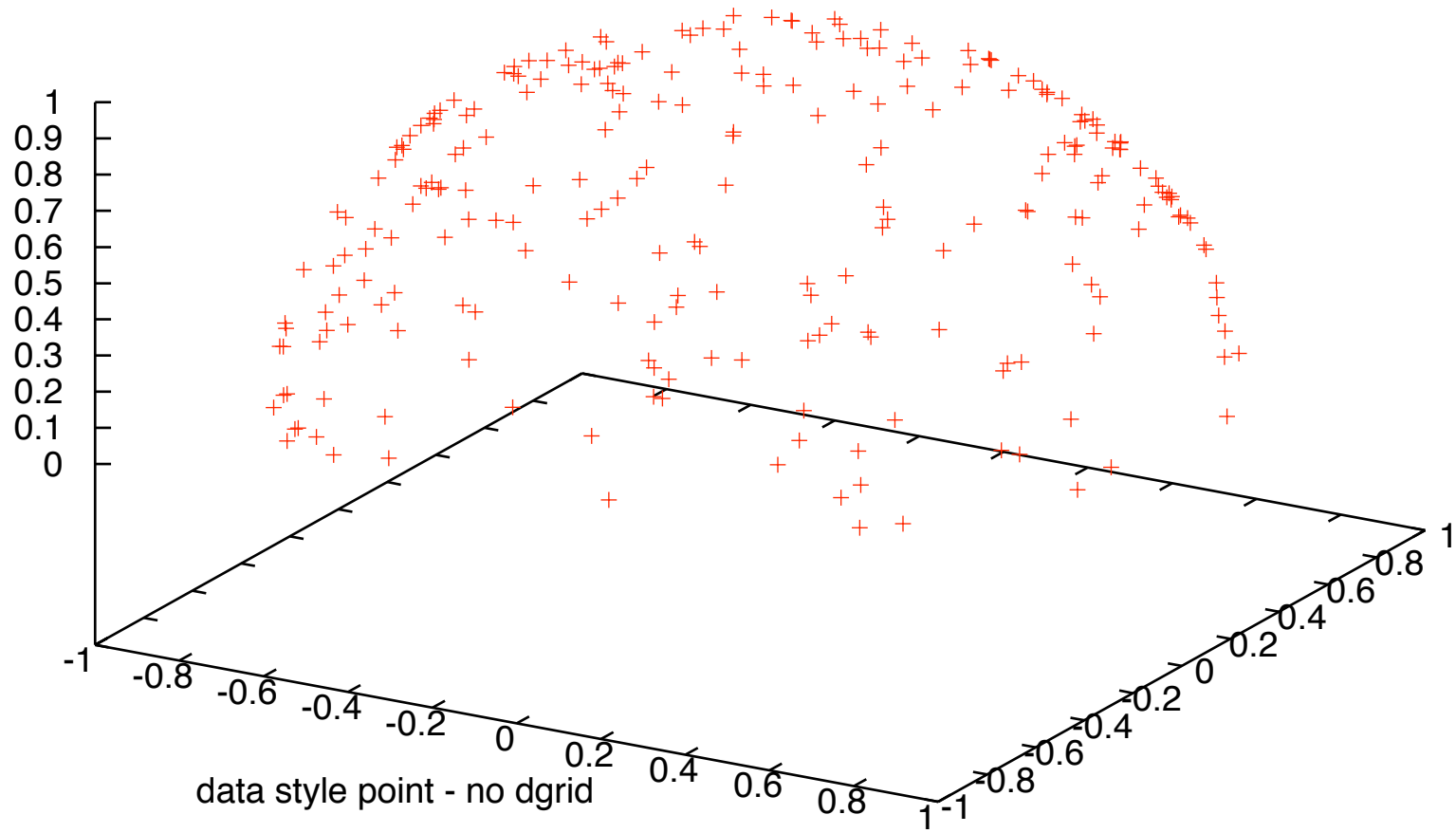


Inverse Normal Distribution Function



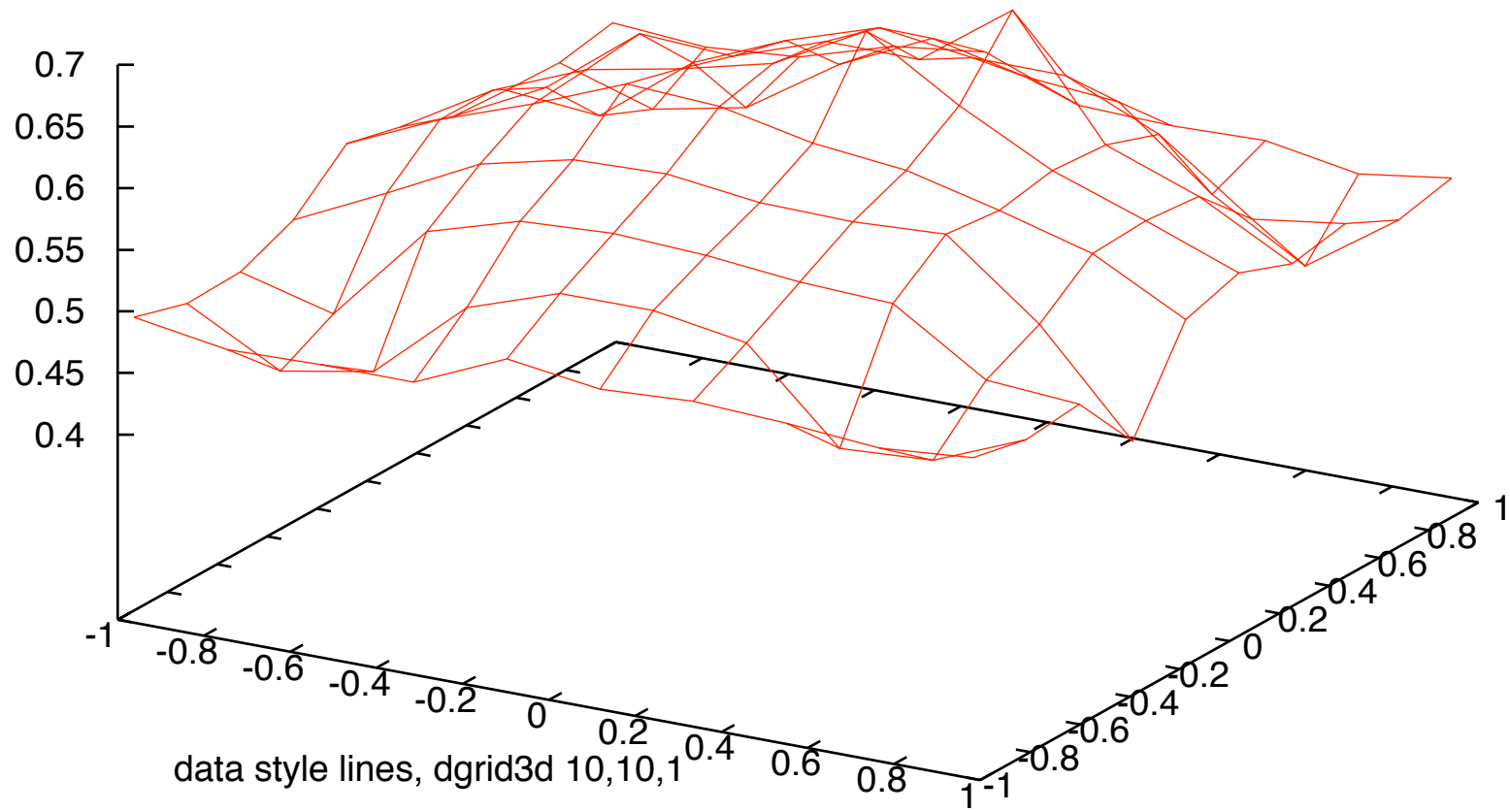
Simple demo of scatter data conversion to grid data

"hemisphr.dat" +



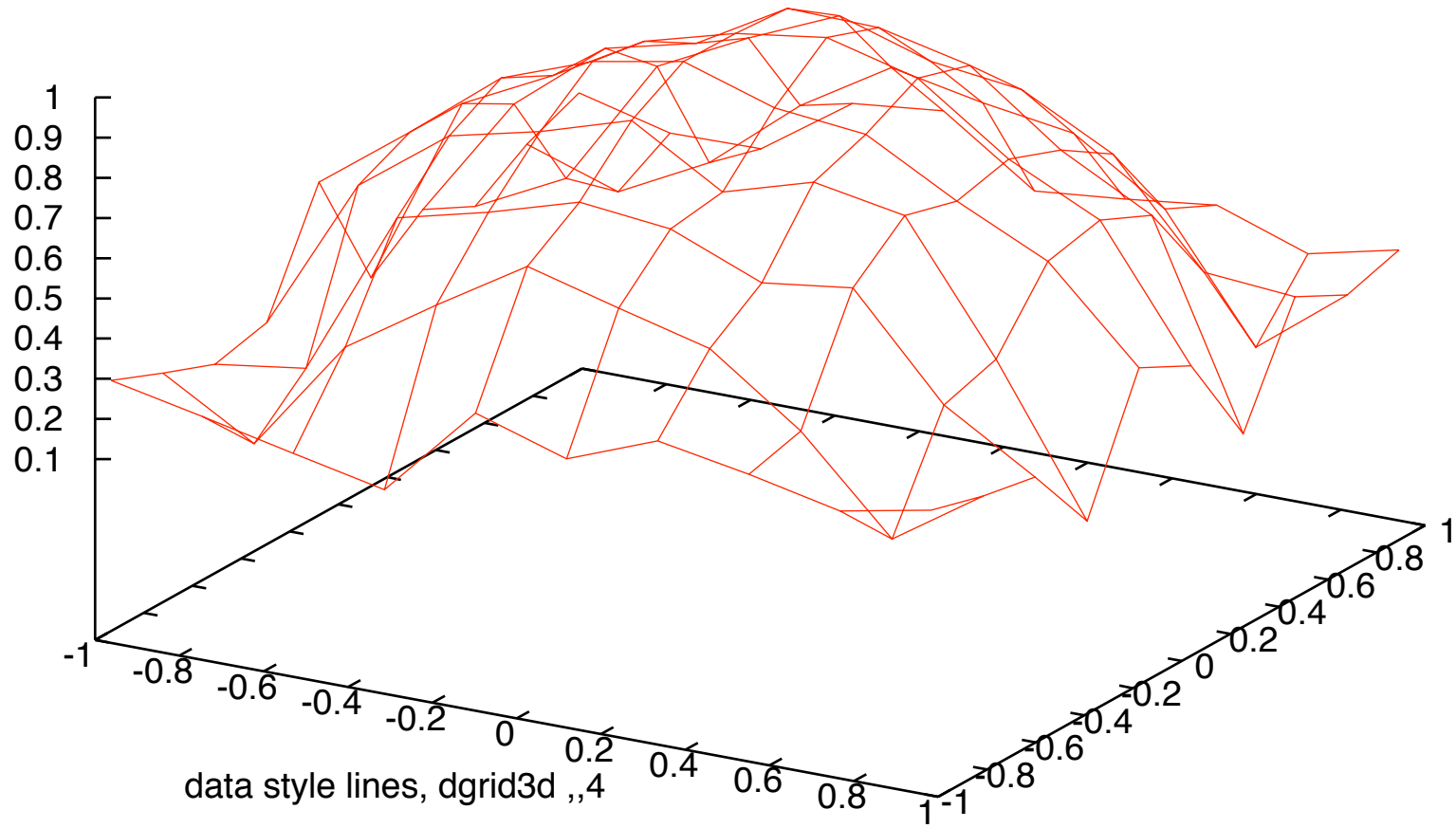
Simple demo of scatter data conversion to grid data

"hemisphr.dat" ———



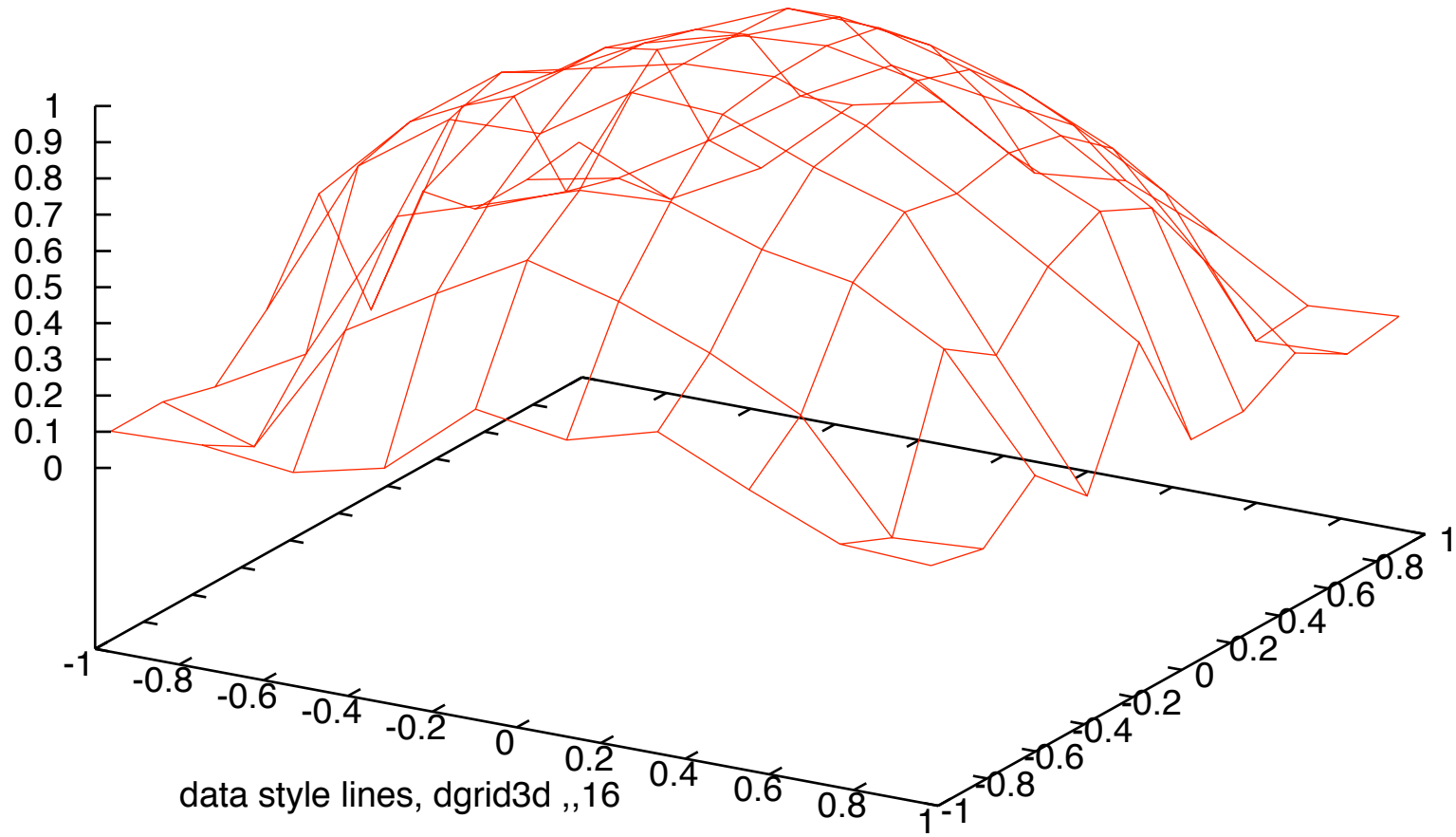
Simple demo of scatter data conversion to grid data

"hemisphr.dat" ———

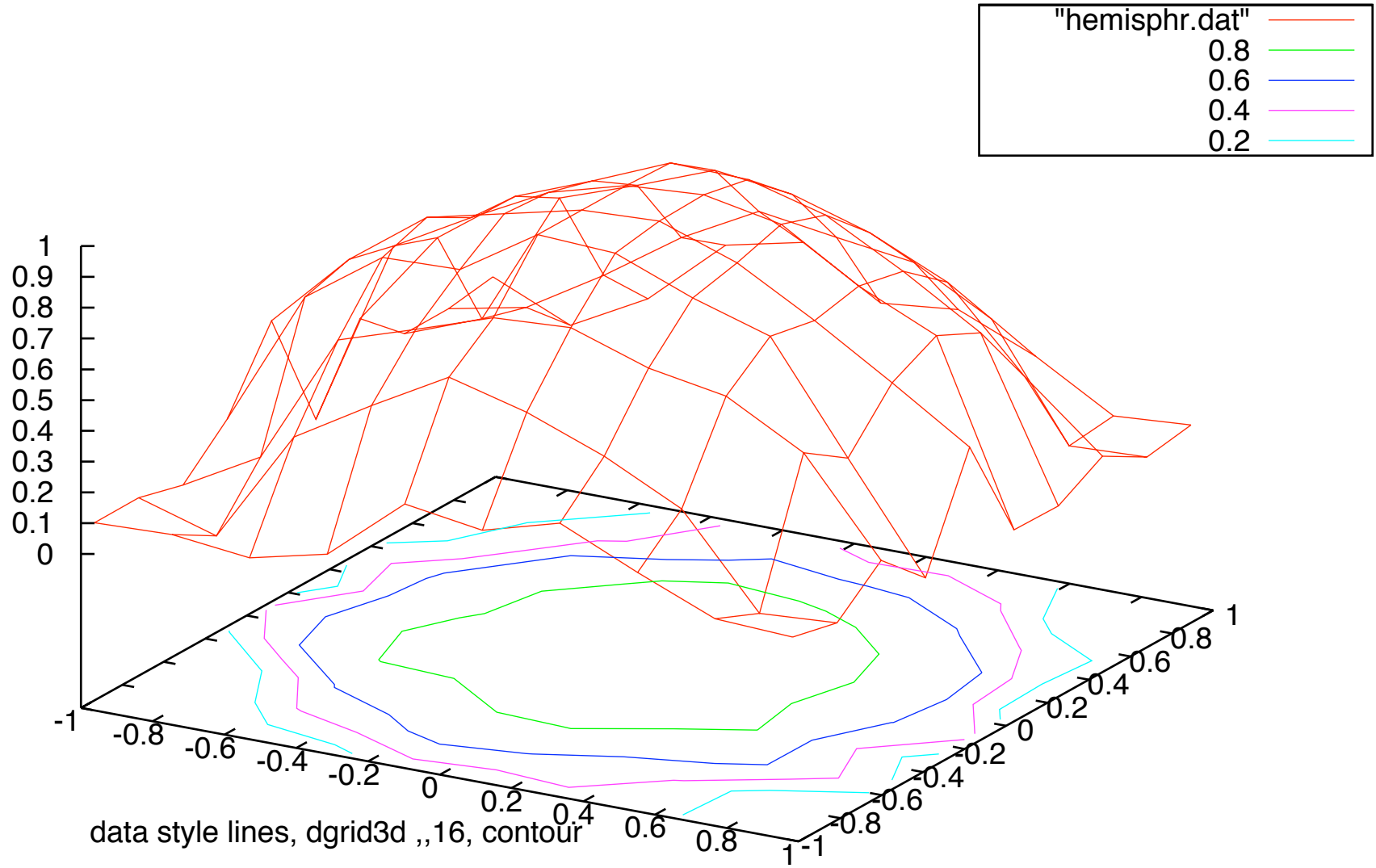


Simple demo of scatter data conversion to grid data

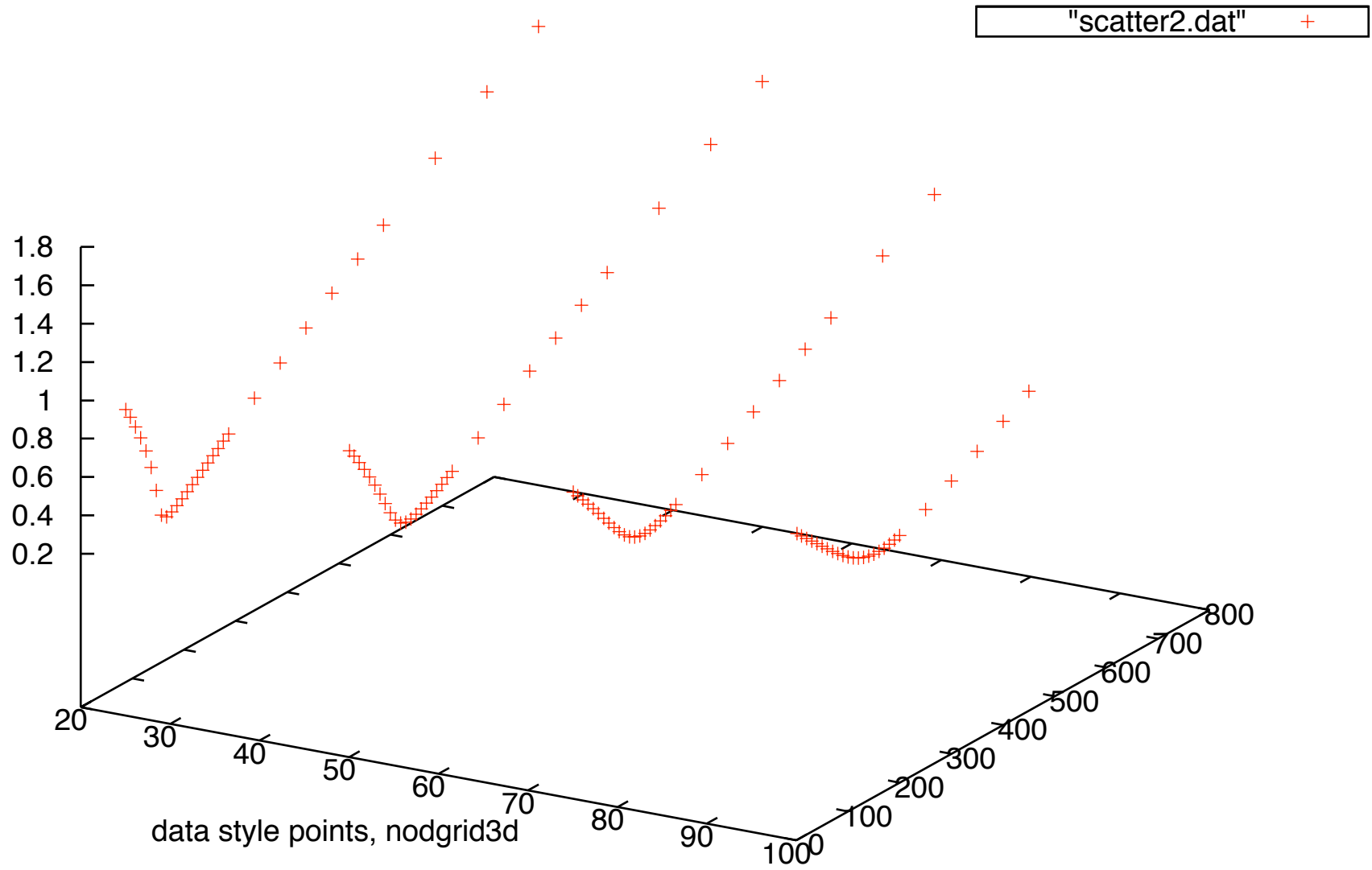
"hemisphr.dat" ———



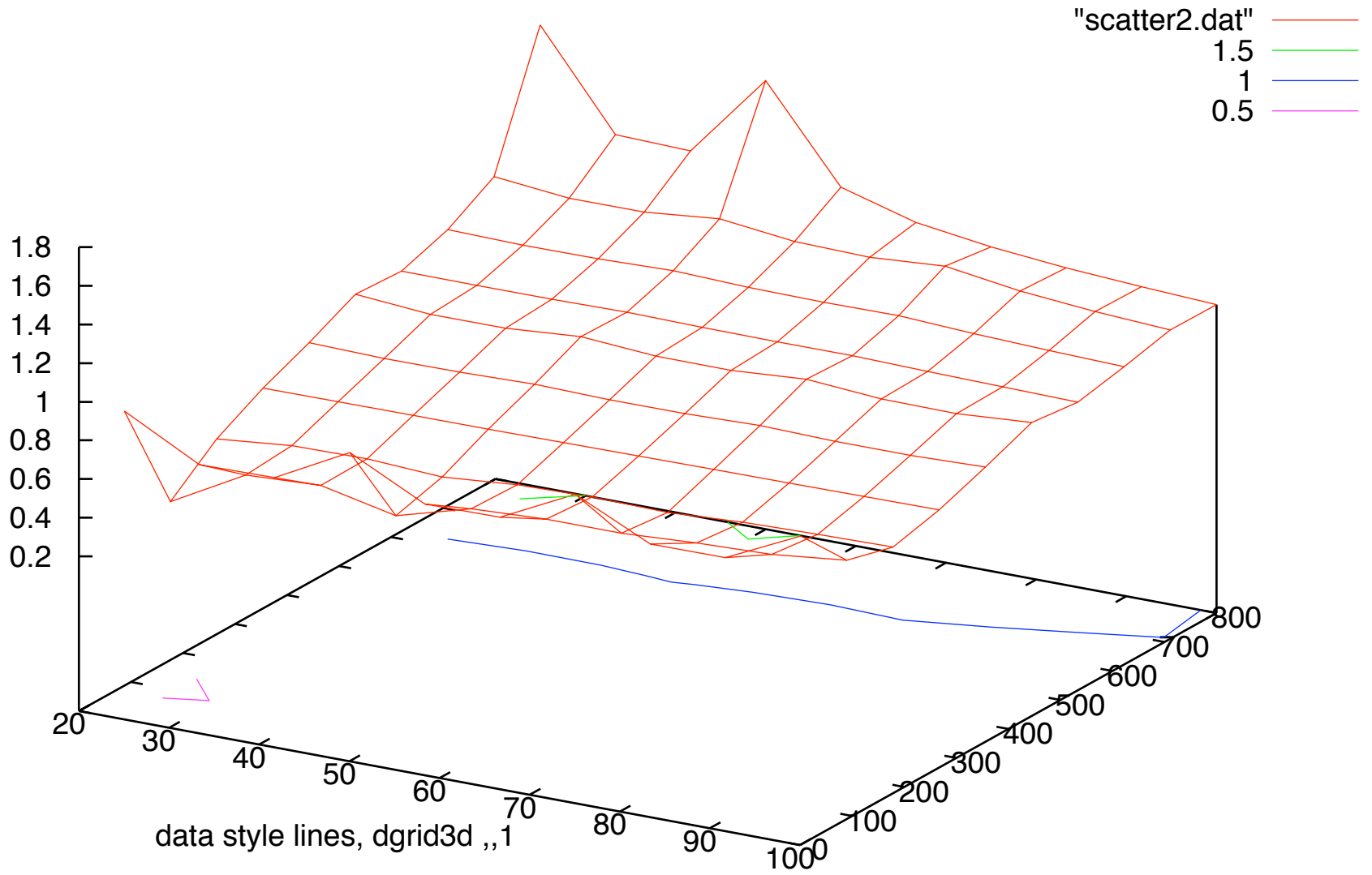
Simple demo of scatter data conversion to grid data



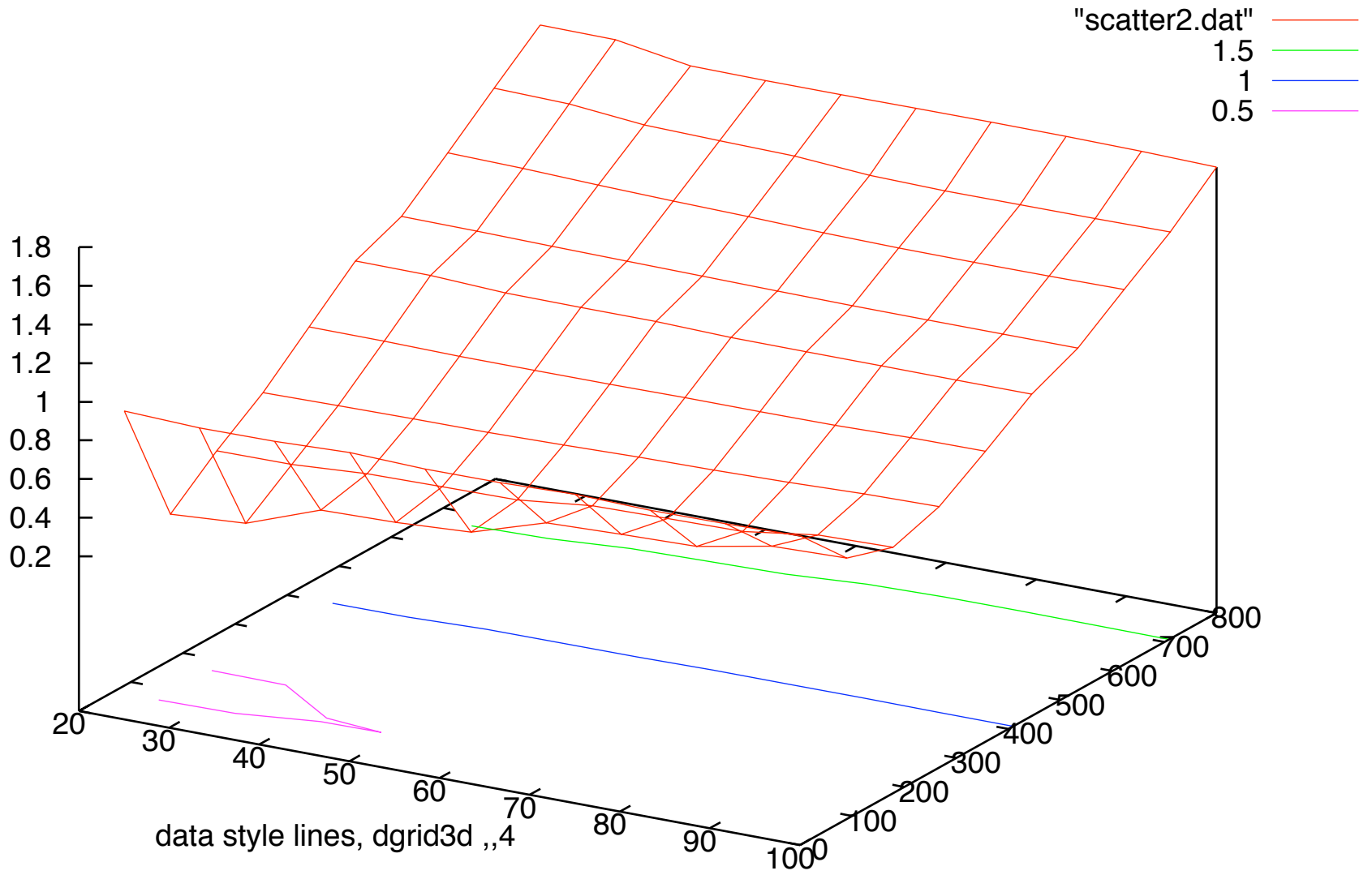
Simple demo of scatter data conversion to grid data



Simple demo of scatter data conversion to grid data

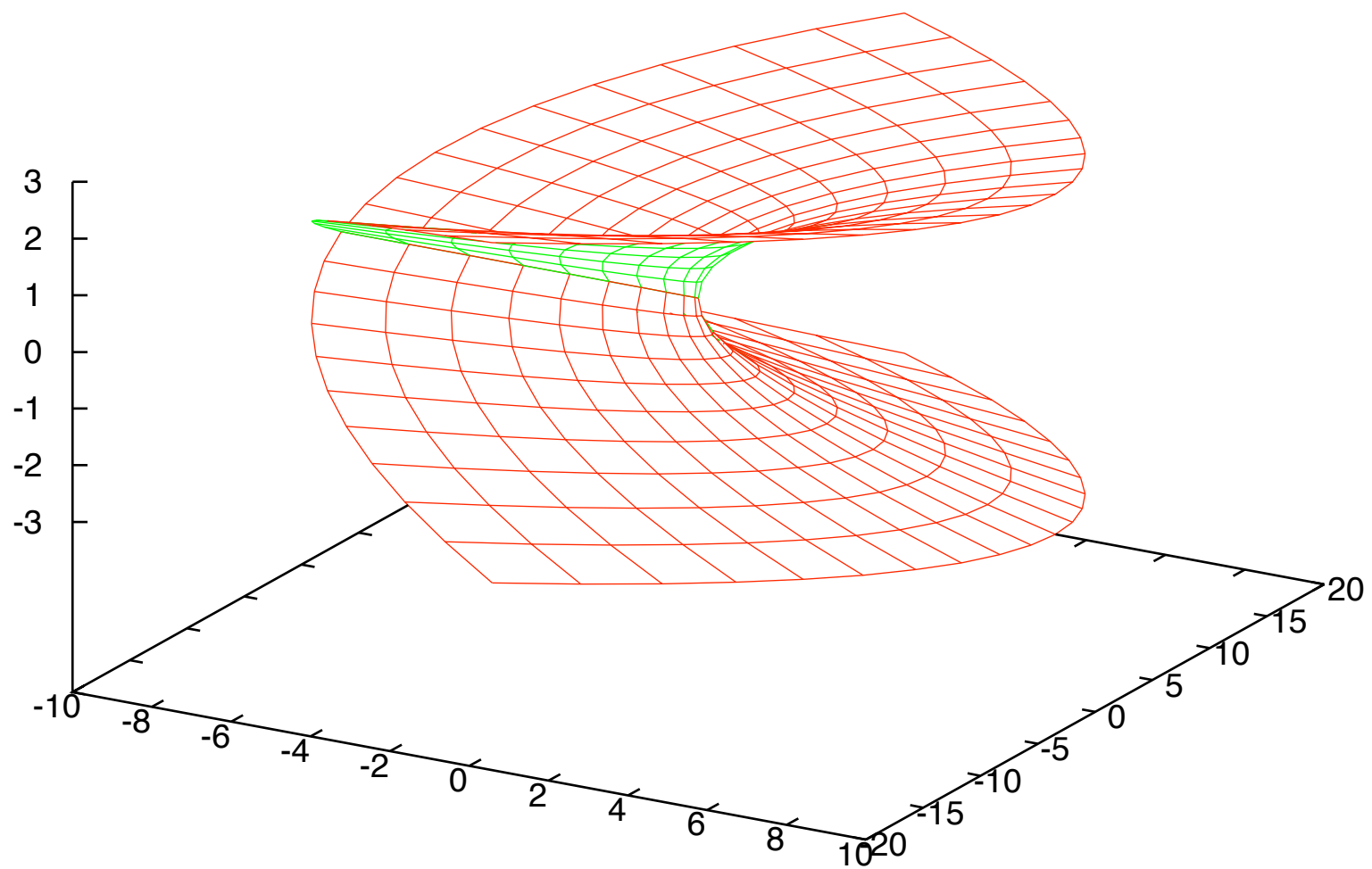


Simple demo of scatter data conversion to grid data



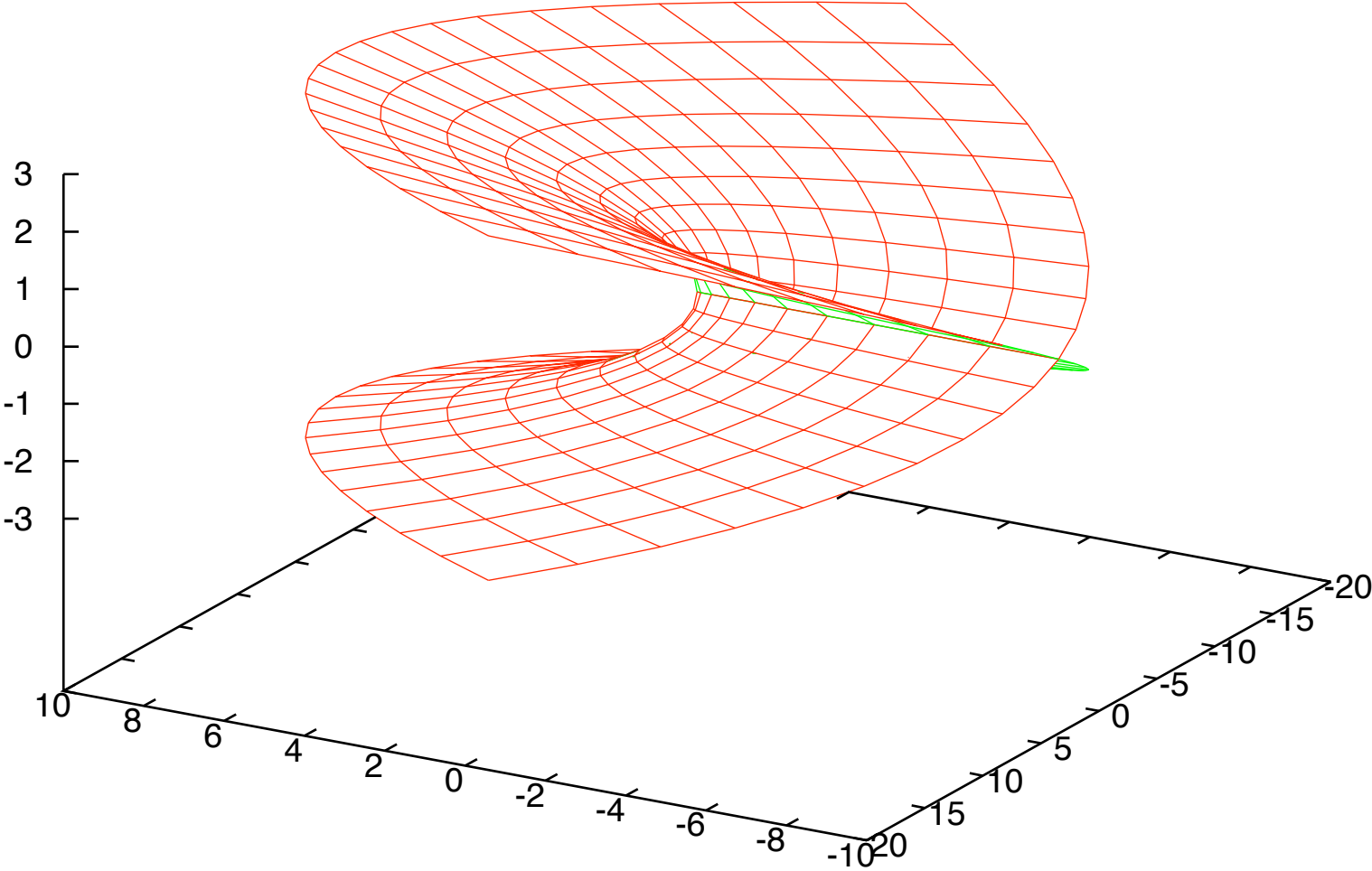
Real part of complex square root function

$$u^2 - v^2, 2uv, u$$



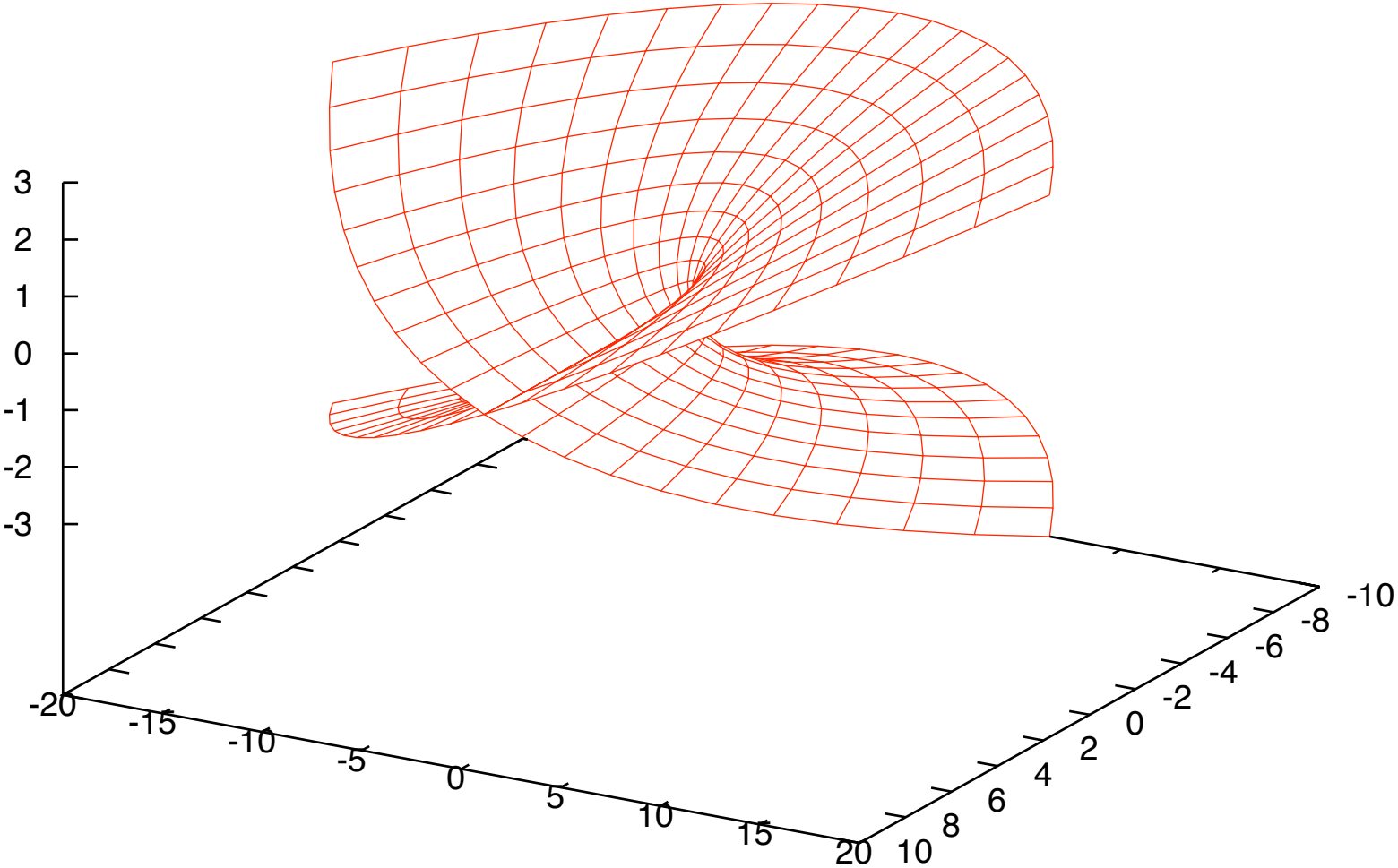
Real part of complex square root function (different view)

$u^2-v^2, 2*u*v, u$ ———



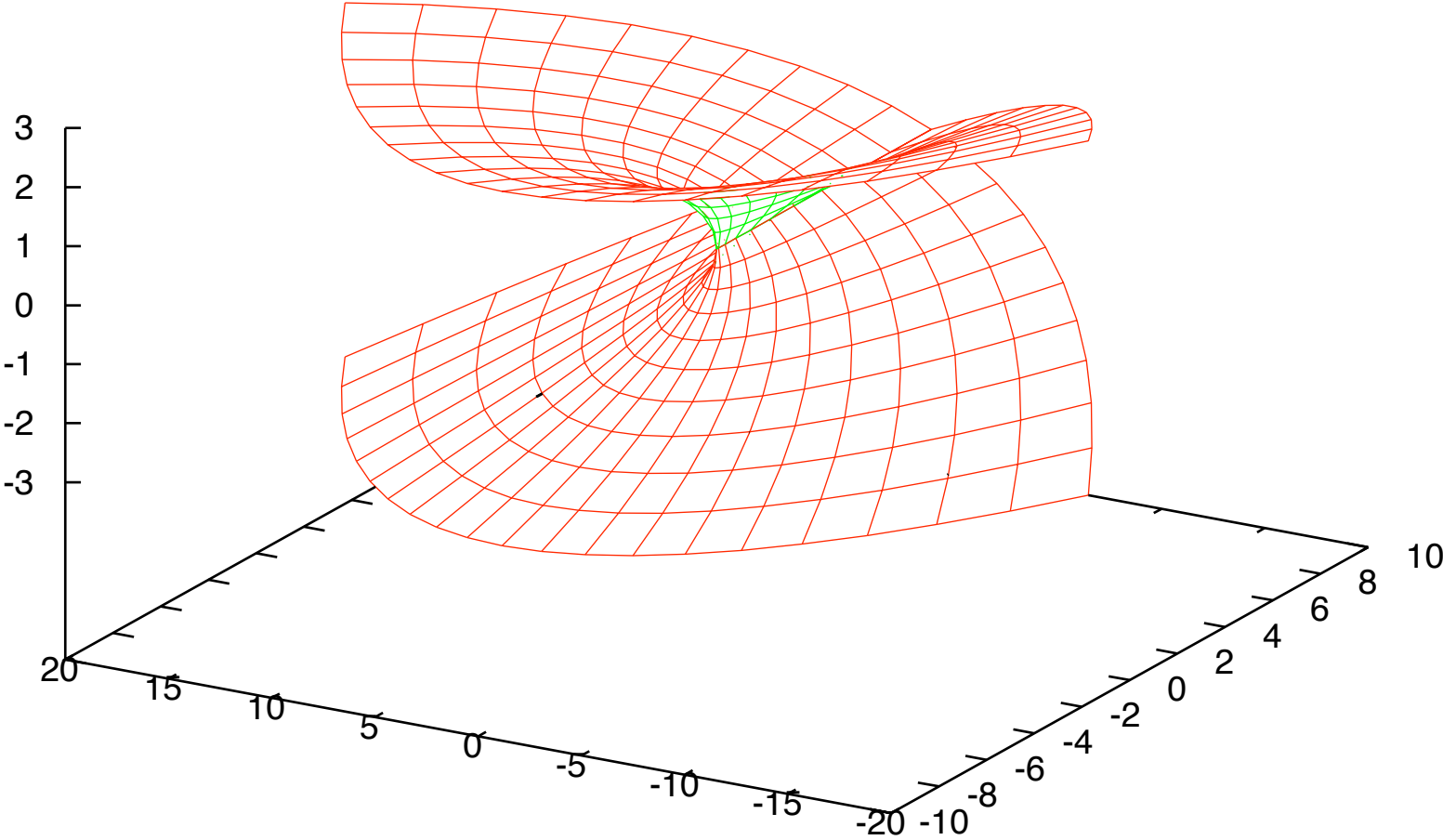
Imaginary part of complex square root function

$u^2-v^2, 2uv, v$ ———



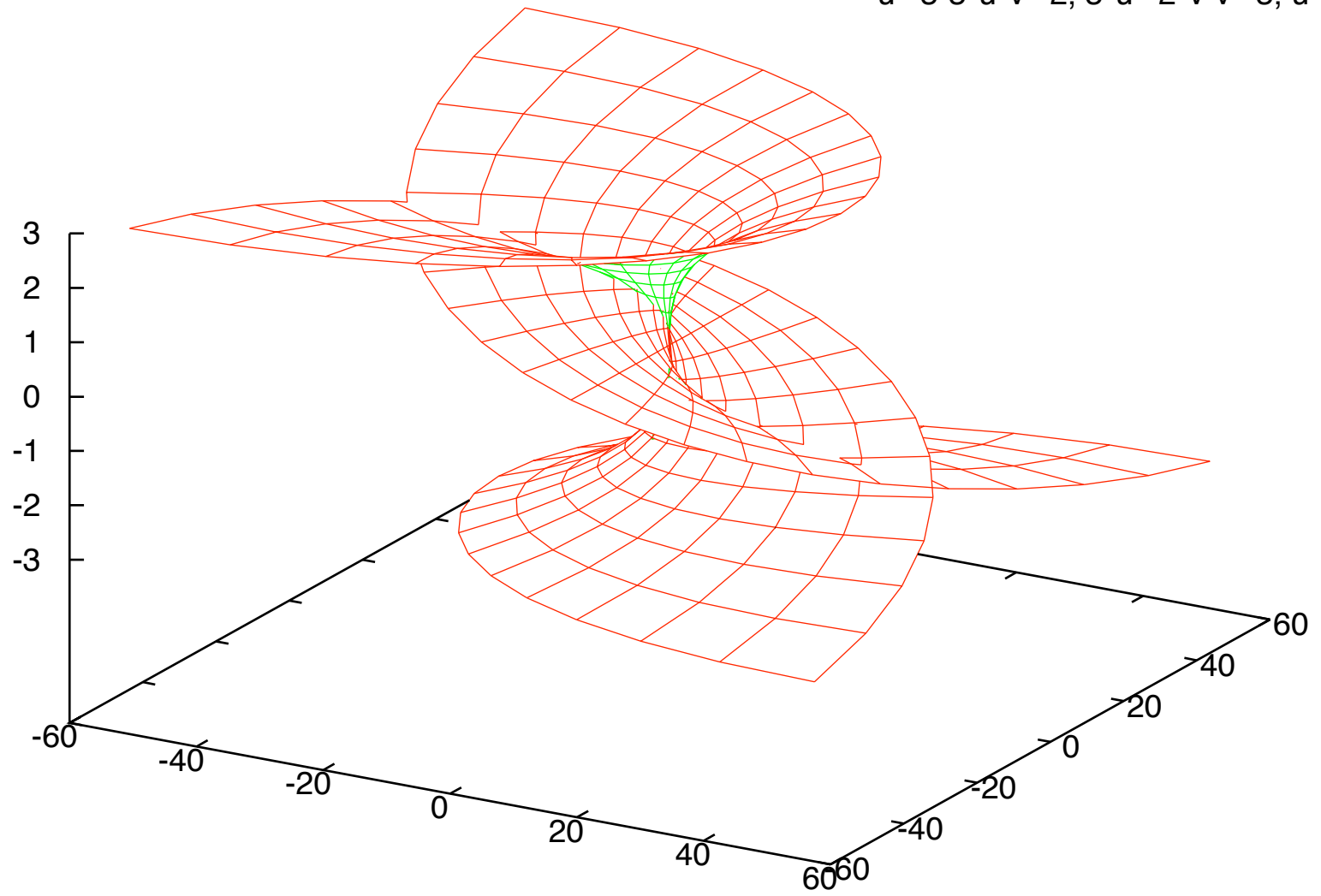
Imaginary part of complex square root function (different view)

$u^2-v^2, 2*u*v, v$ ———



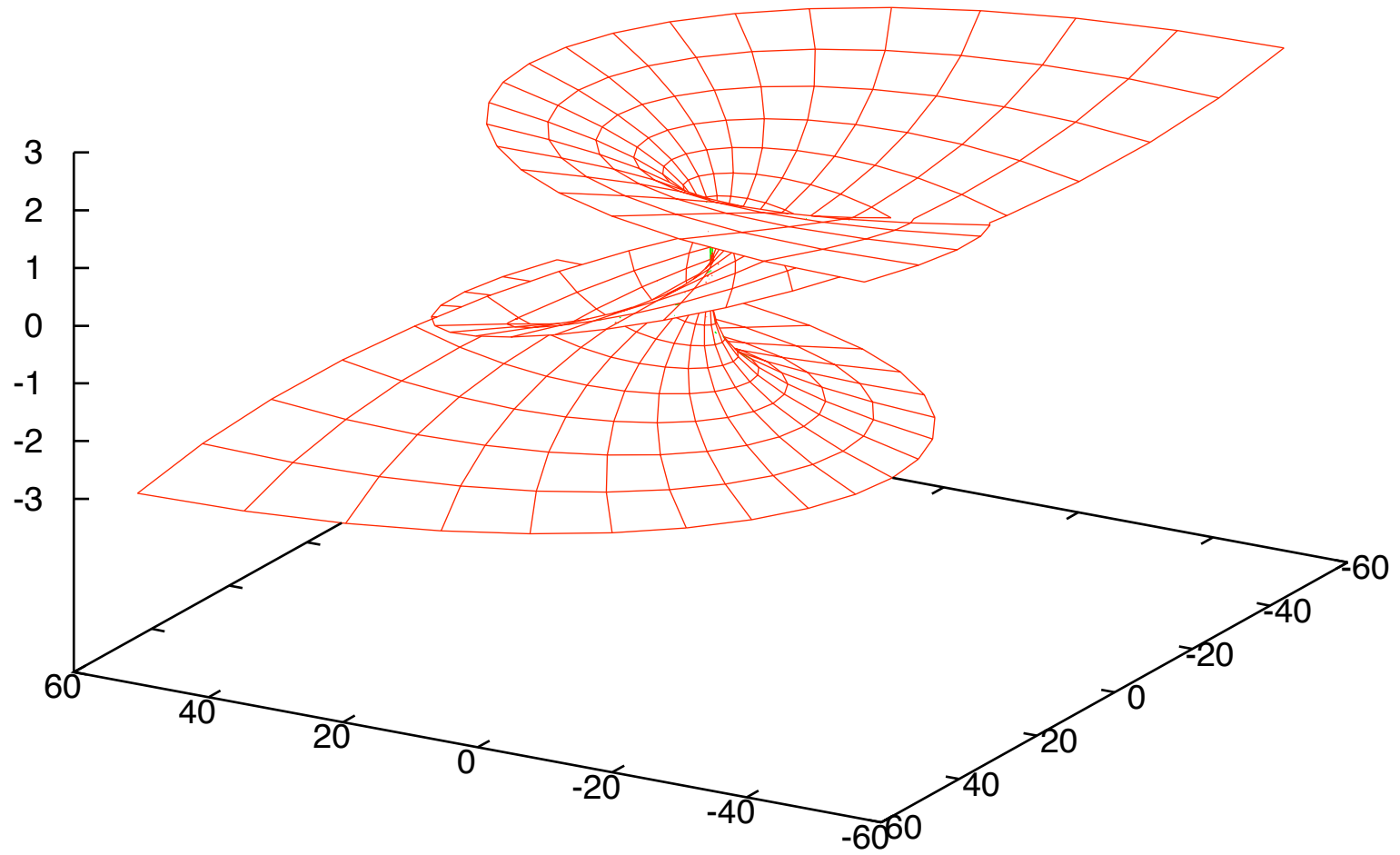
Real part of complex cube root function

$$u^3 - 3uv^2, 3u^2v - v^3, u$$



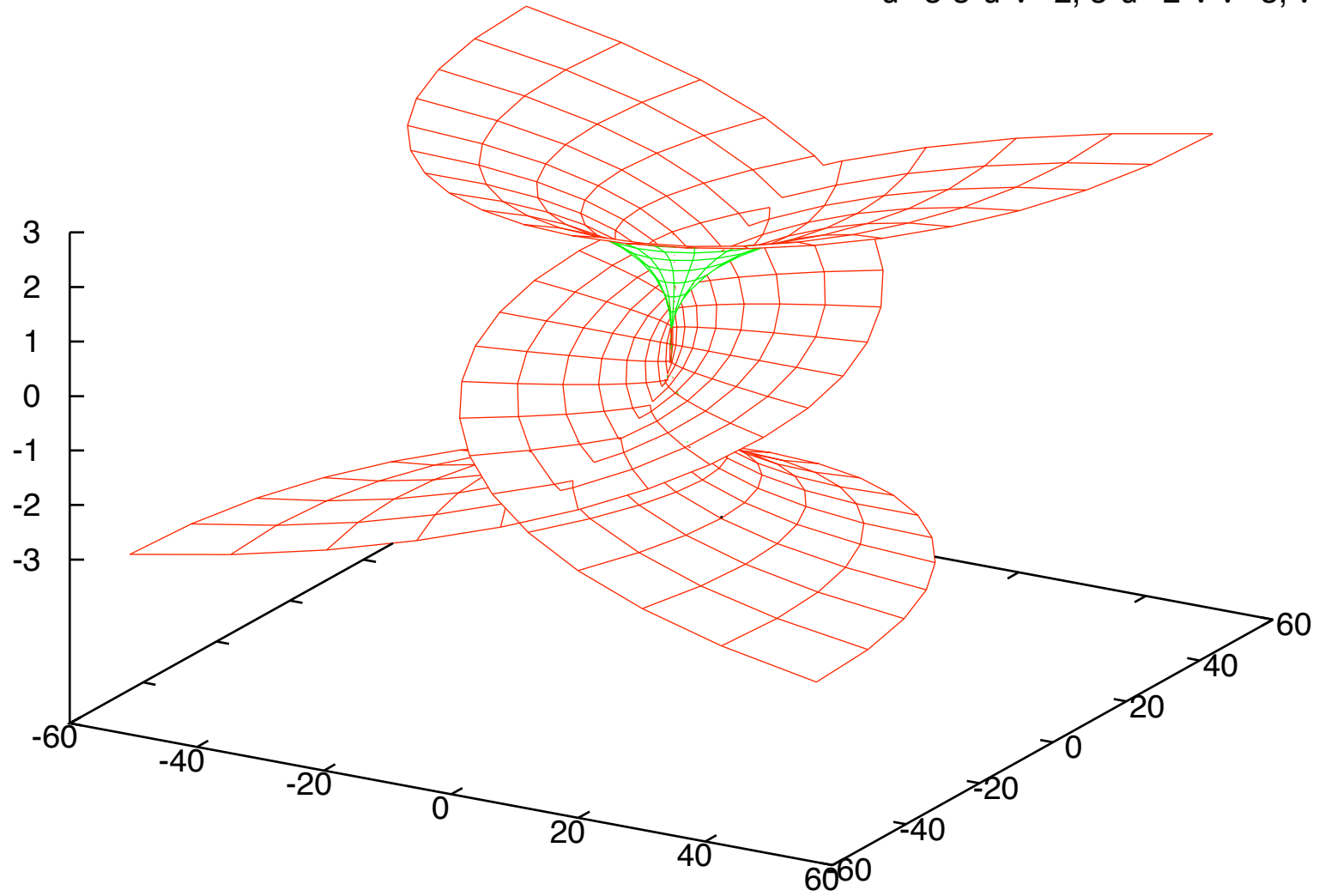
Real part of complex cube root function (different view)

$$u^3 - 3uv^2, 3u^2v - v^3, u$$



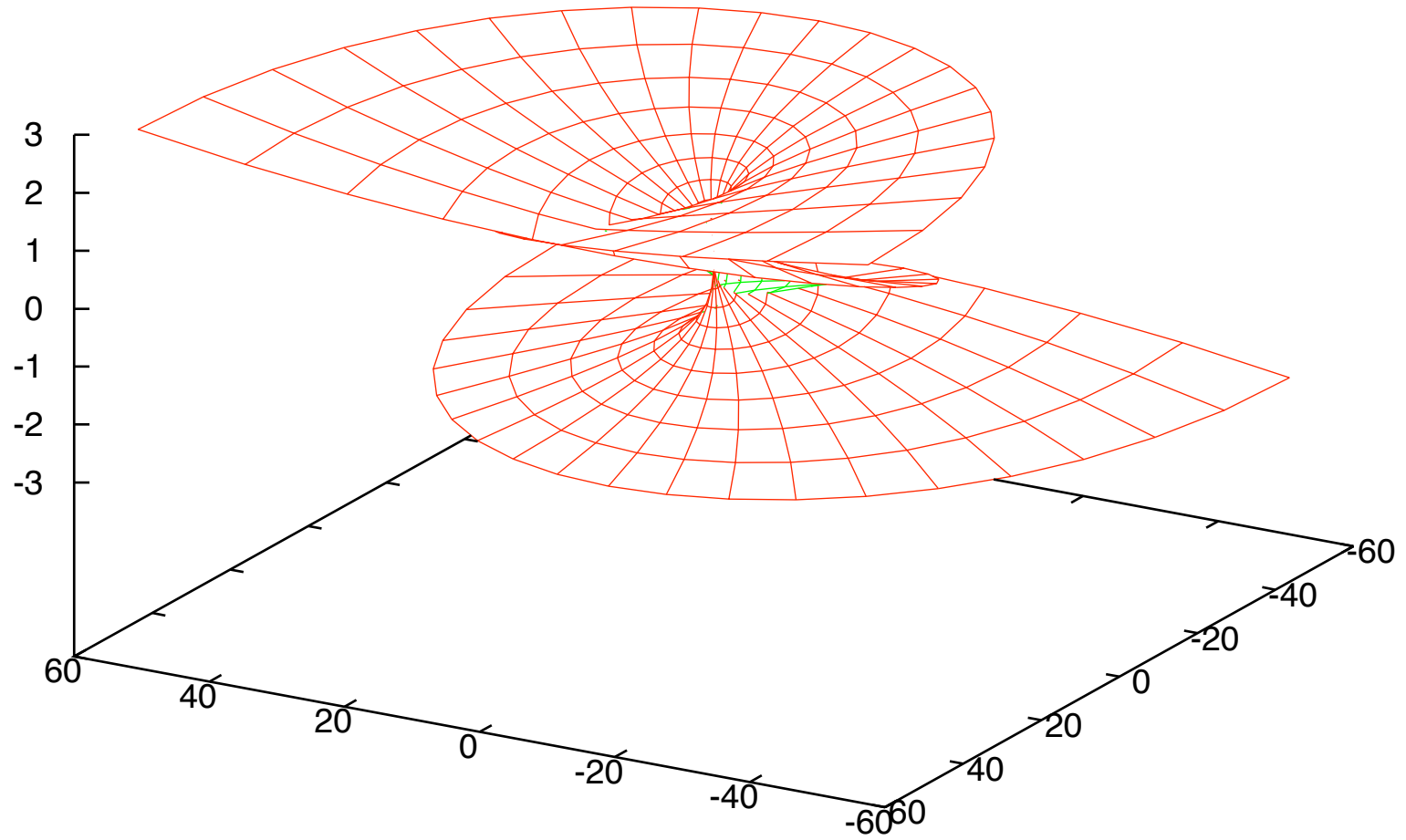
Imaginary part of complex cube root function

$$u^3 - 3uv^2, 3u^2v - v^3, v$$



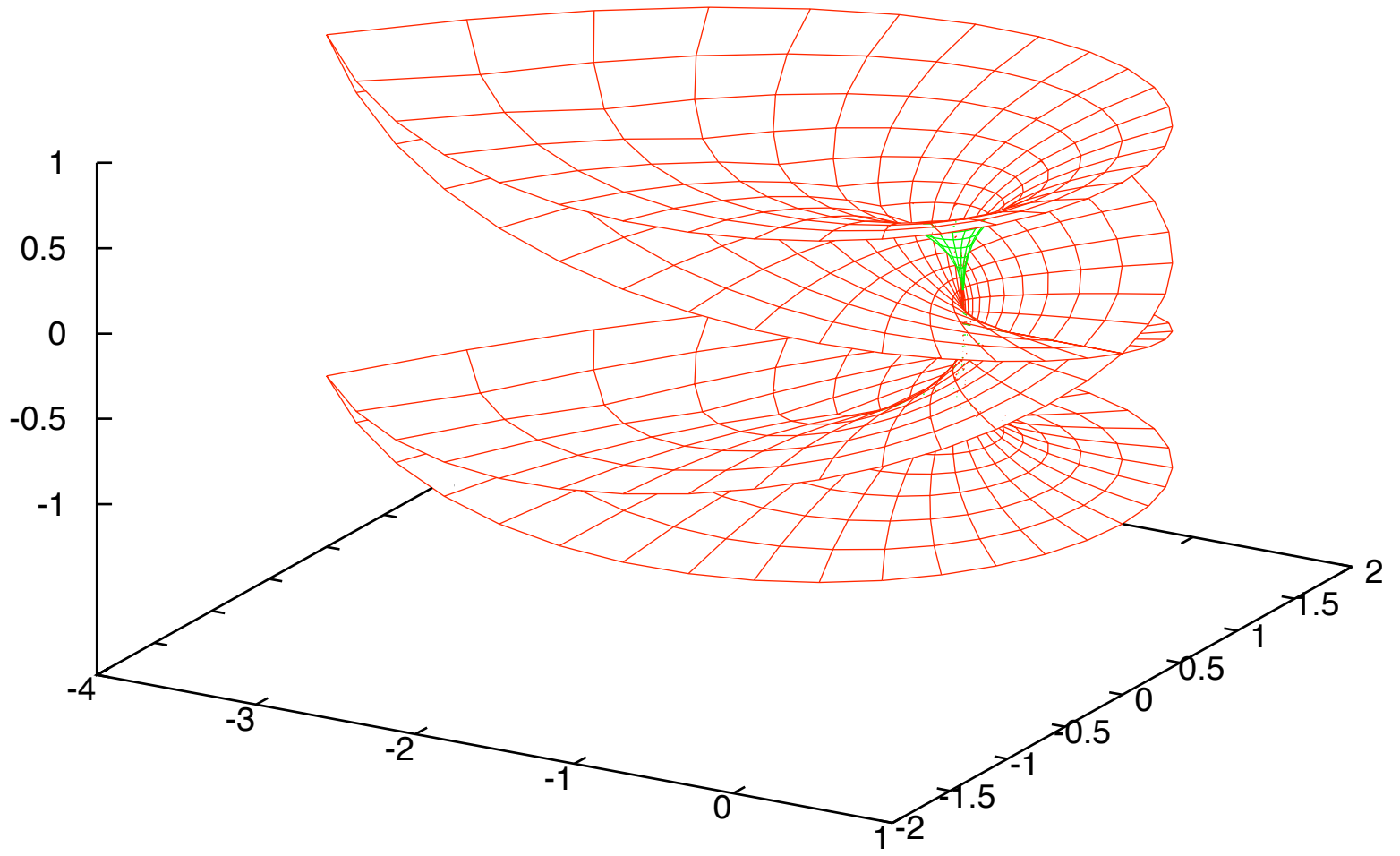
Imaginary part of complex cube root function (different view)

$$u^3 - 3uv^2, 3u^2v - v^3, v$$



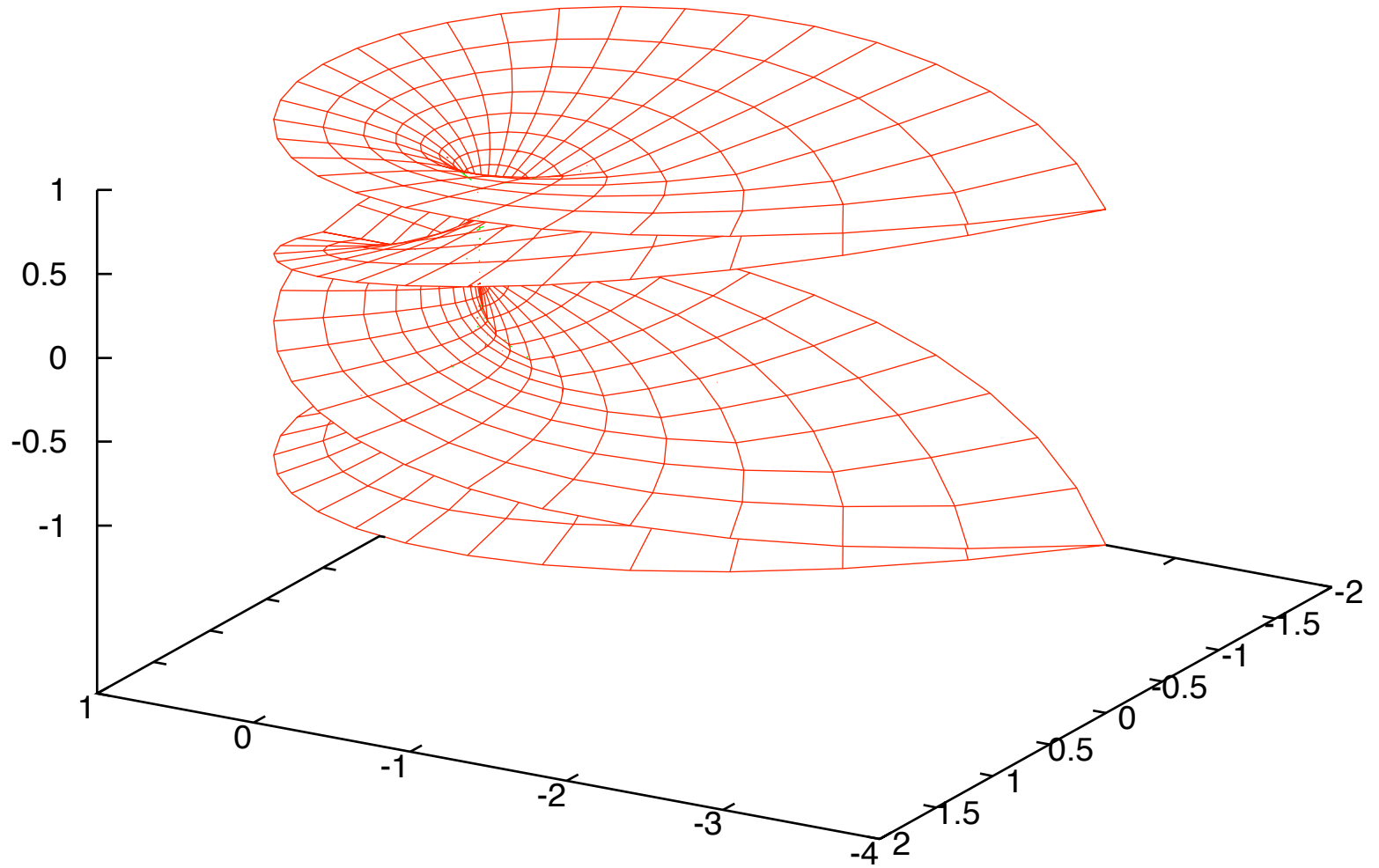
Real part of complex 4th root function

$$u^4 - 6u^2v^2 + v^4, 4u^3v - 4uv^3, u$$



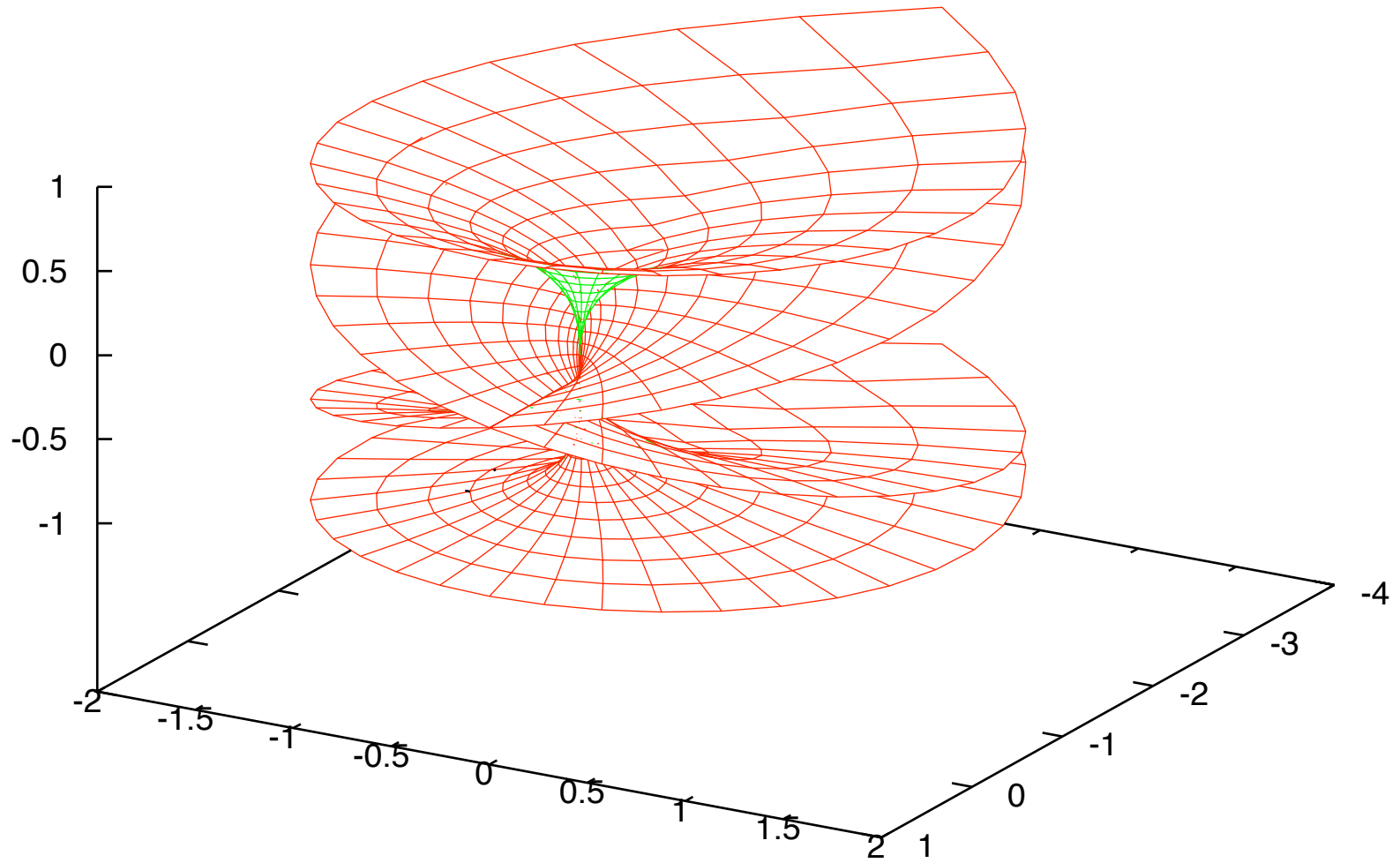
Real part of complex 4th root function (different view)

$$u^4 - 6u^2v^2 + v^4, 4u^3v - 4uv^3, u$$



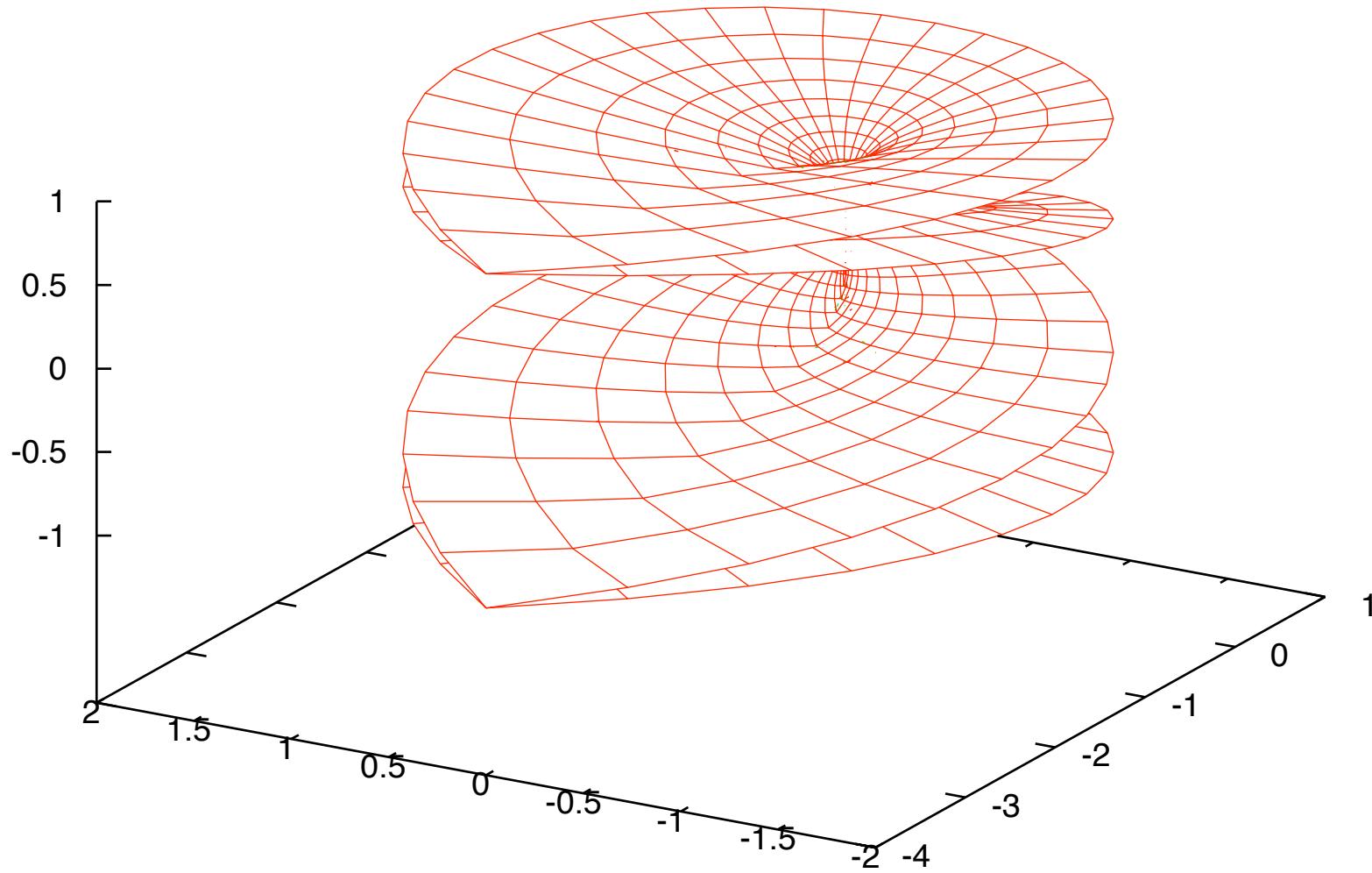
Imaginary part of complex 4th root function

$$u^{**4}-6*u^{**2}*v^{**2}+v^{**4}, 4*u^{**3}*v-4*u*v^{**3}, v$$



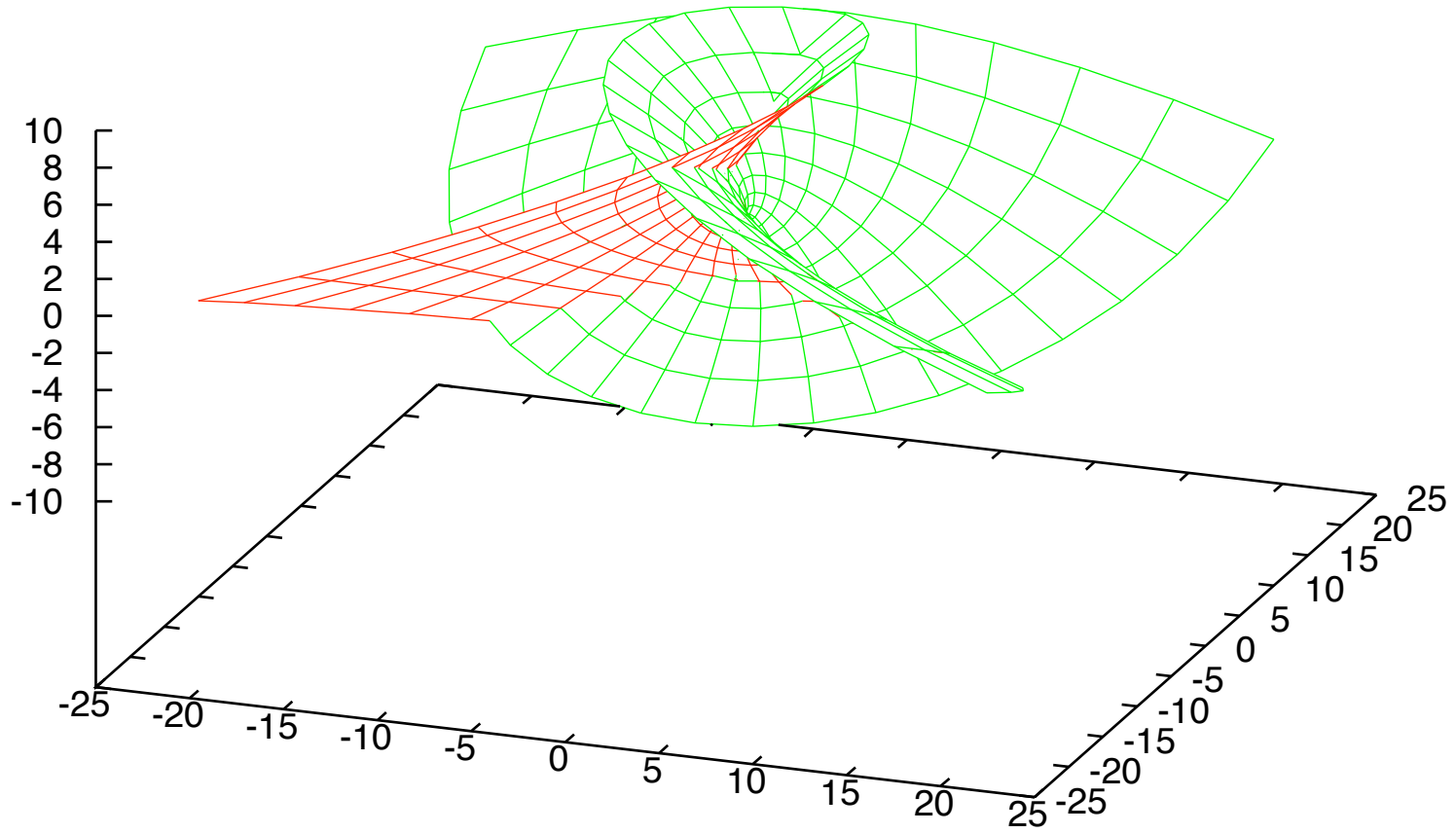
Imaginary part of complex 4th root function (different view)

$$u^{**4}-6*u^{**2}*v^{**2}+v^{**4}, 4*u^{**3}*v-4*u*v^{**3}, v$$



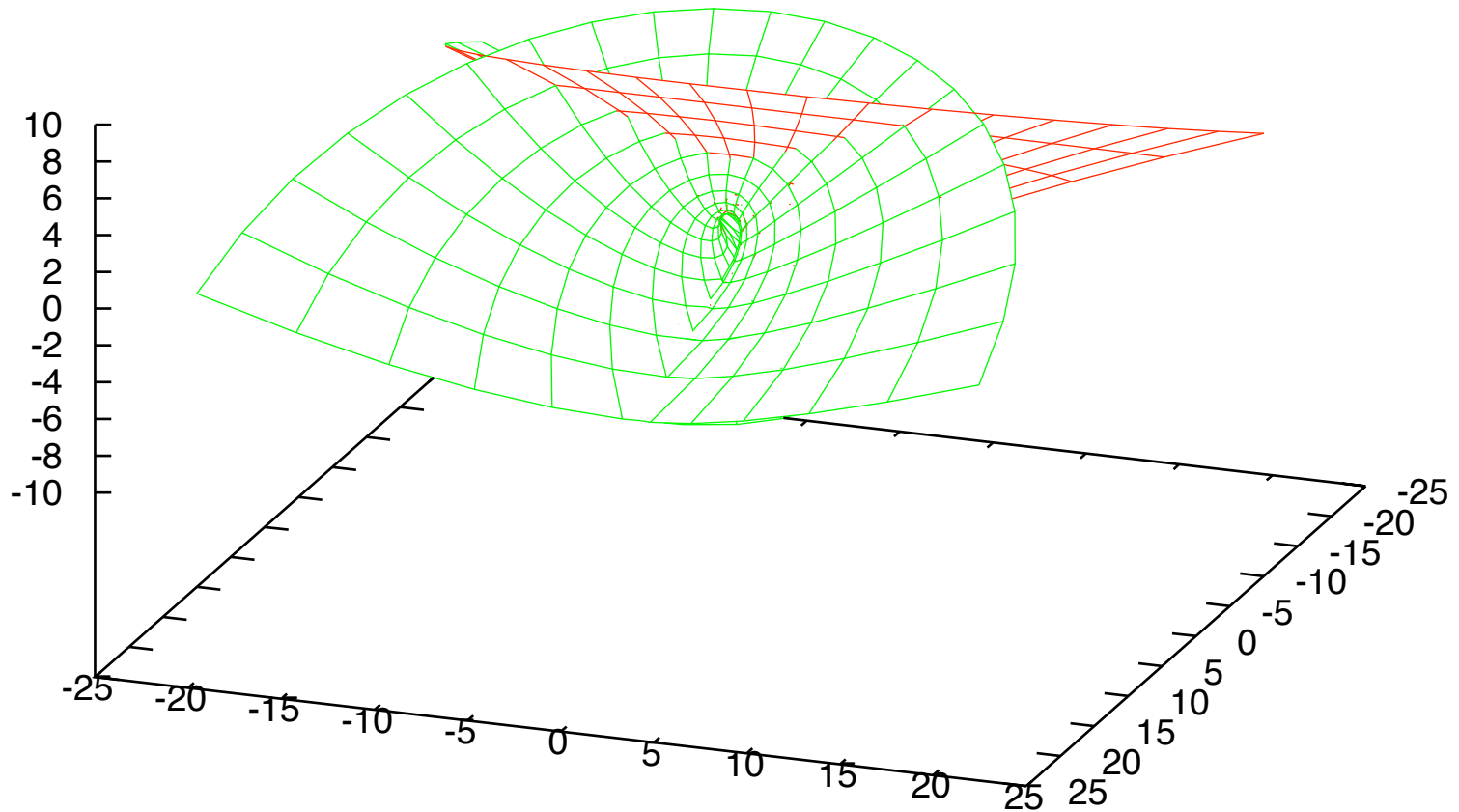
Enneper's surface

$$u - \frac{u^3}{3} + u \cdot v^2, \quad v - \frac{v^3}{3} + v \cdot u^2, \quad u^2 - v^2$$



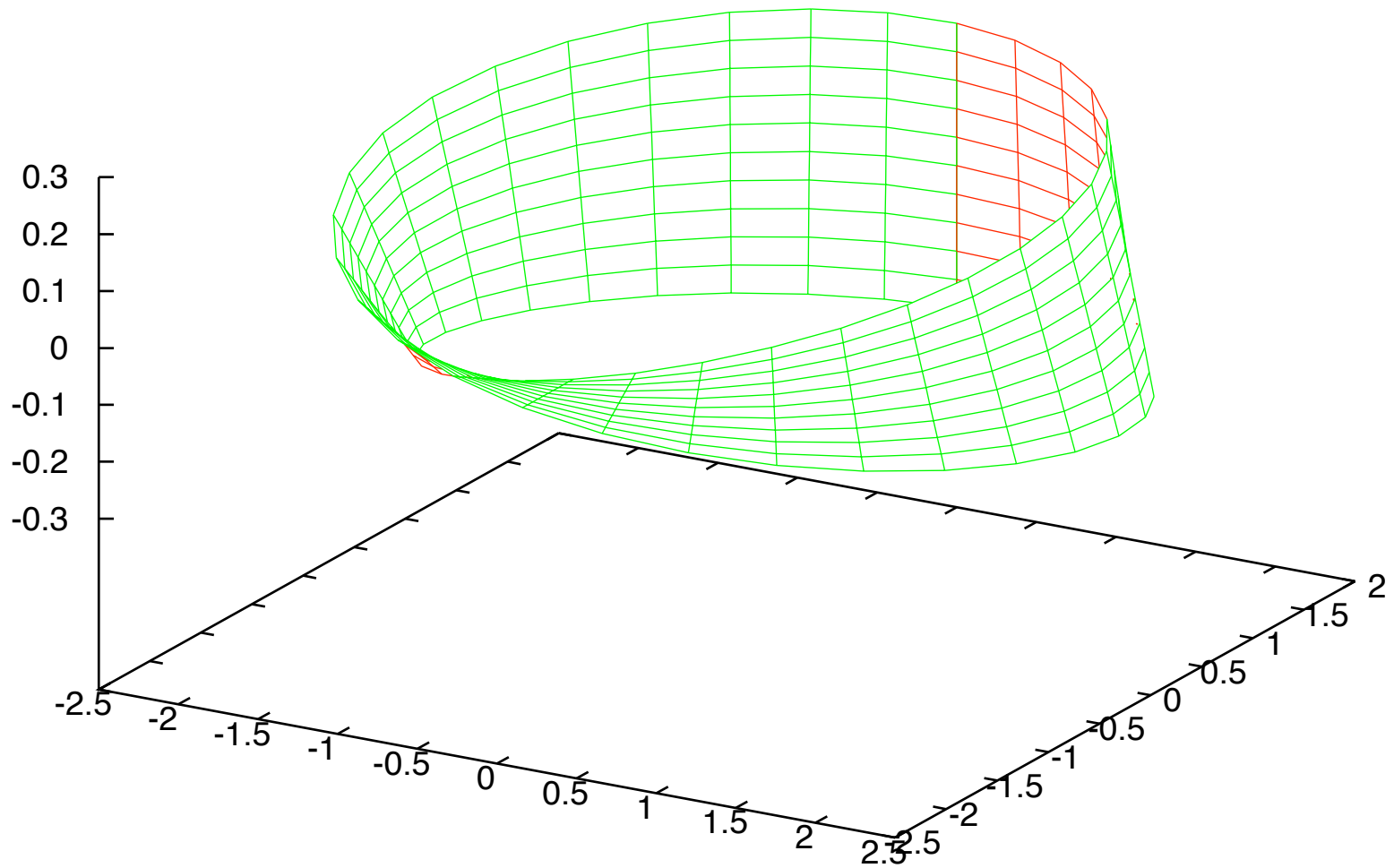
Enneper's surface (different view)

$$u - \frac{u^3}{3} + u \cdot v^2, \quad v - \frac{v^3}{3} + v \cdot u^2, \quad u^2 - v^2$$



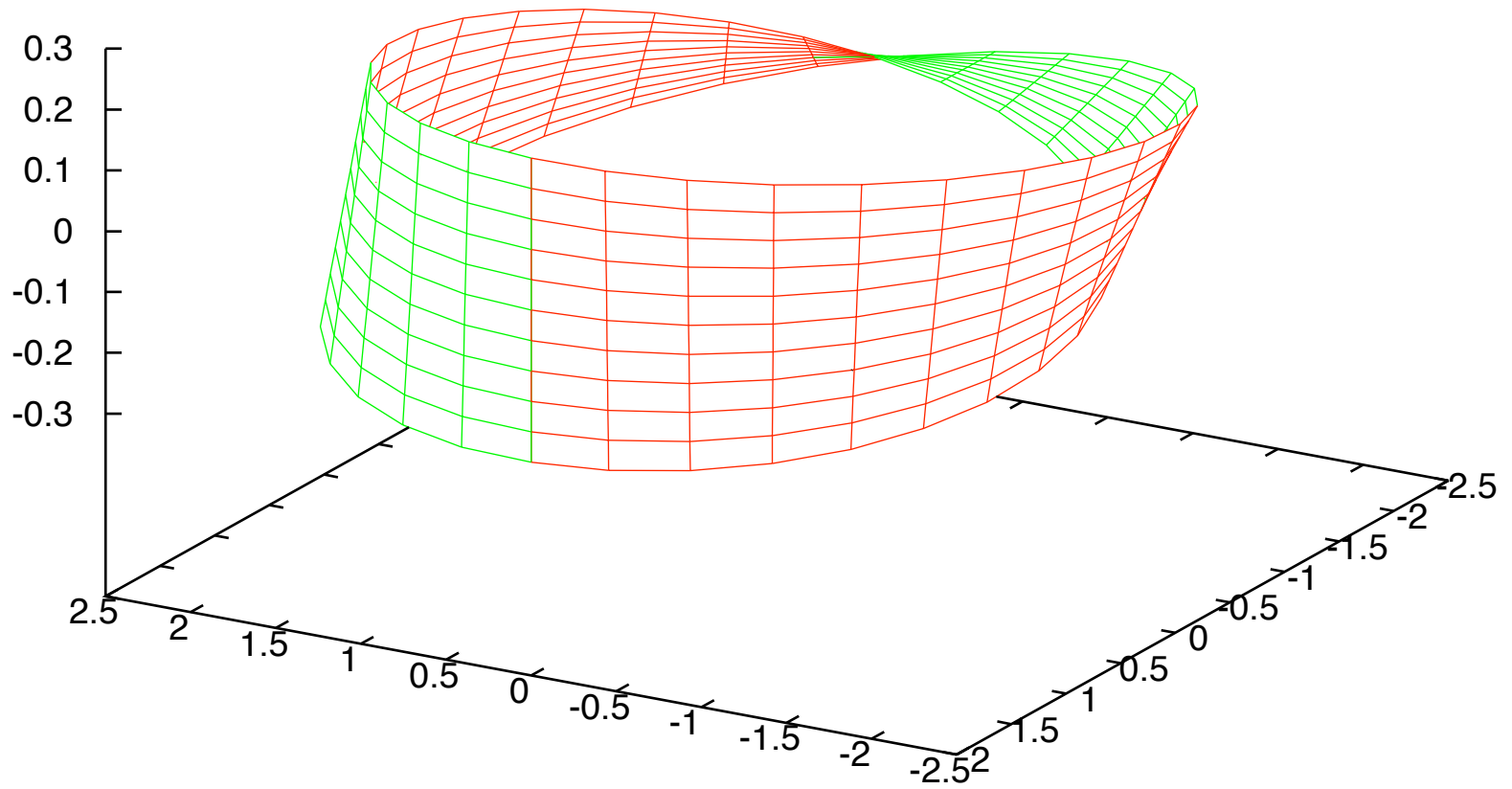
Moebius strip

$$(2-v*\sin(u/2))*\sin(u), (2-v*\sin(u/2))*\cos(u), v*\cos(u/2)$$

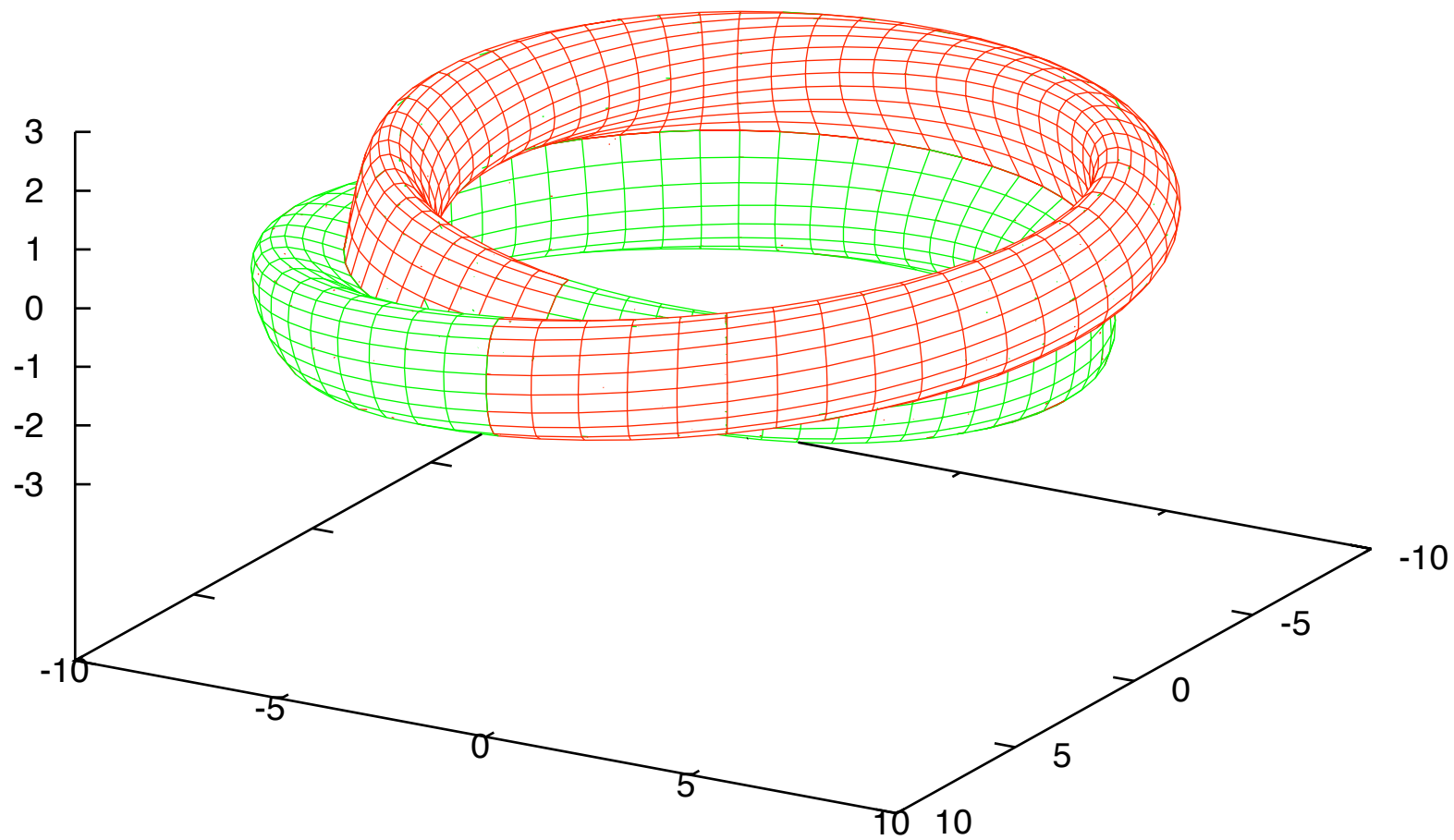


Moebius strip (view from opposite side)

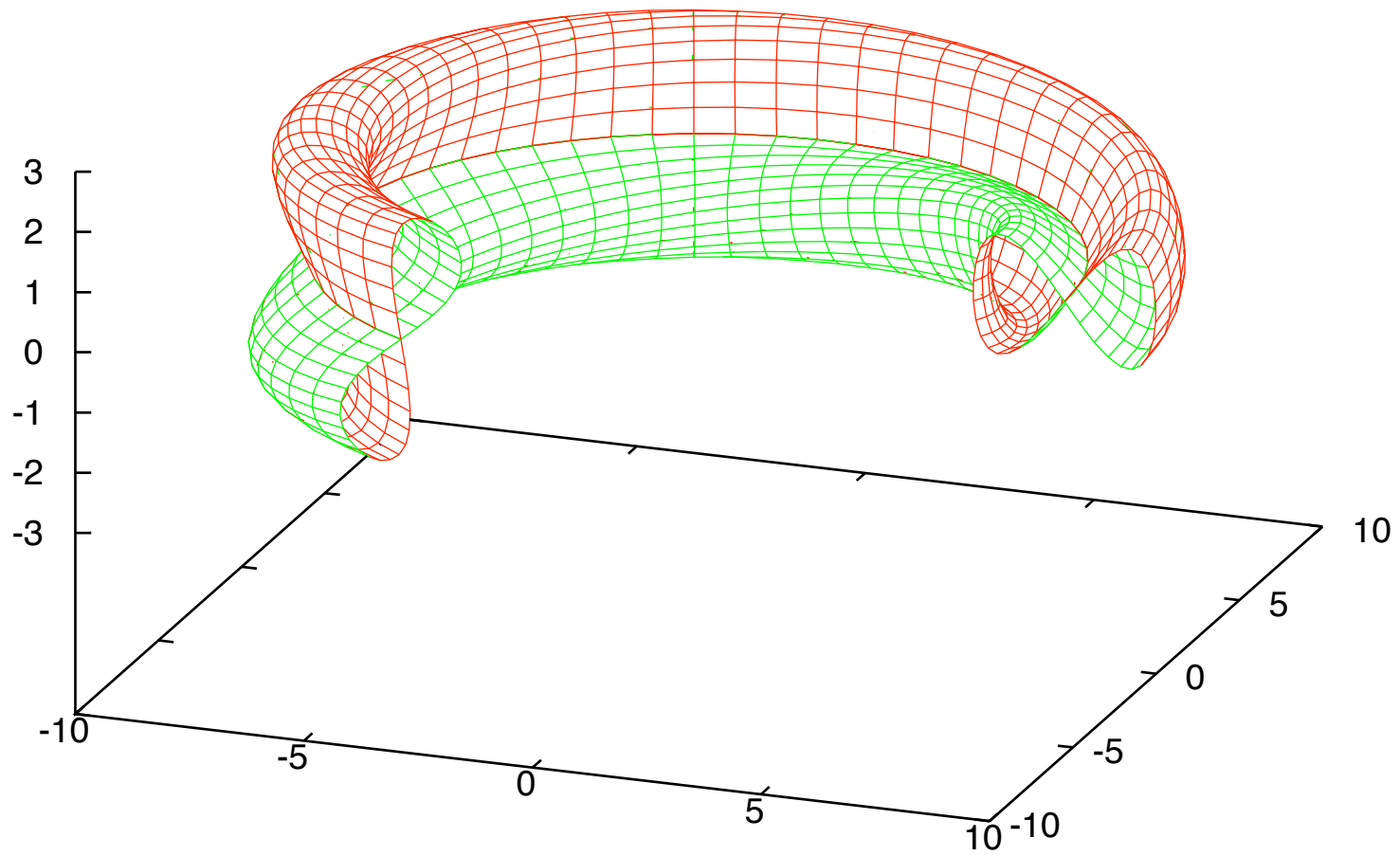
$$(2-v*\sin(u/2))*\sin(u), (2-v*\sin(u/2))*\cos(u), v*\cos(u/2)$$



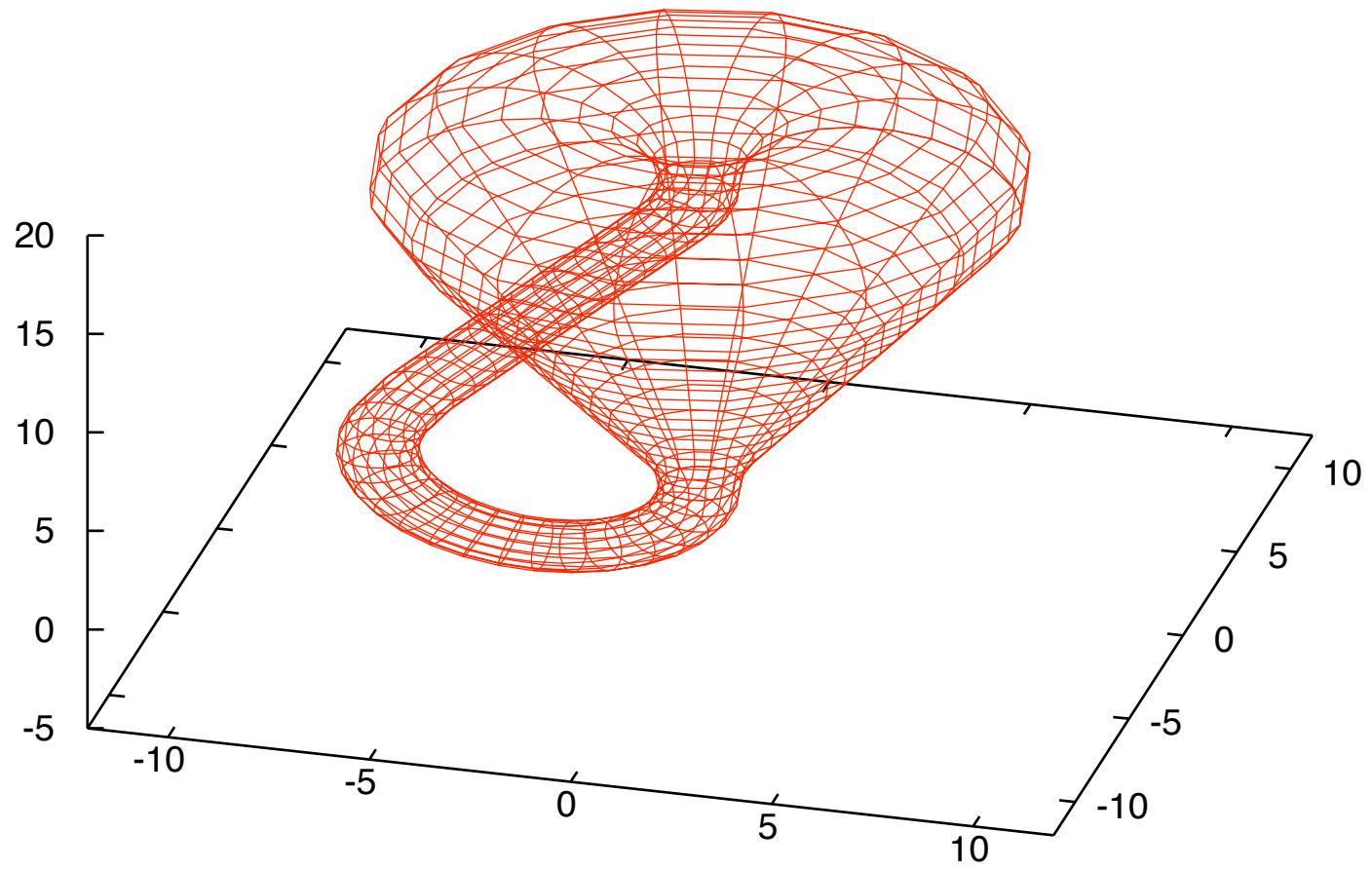
Klein bottle



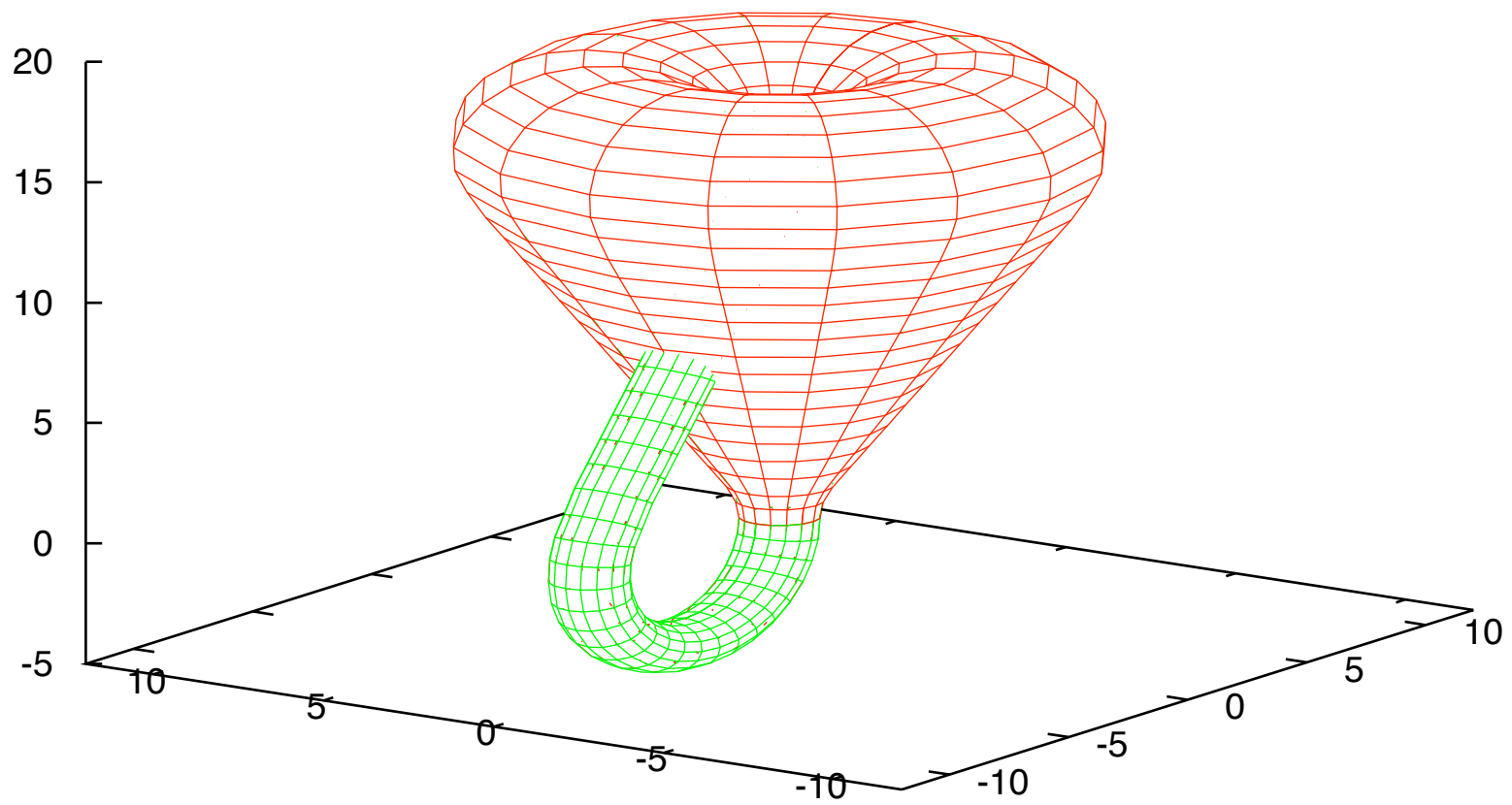
Klein bottle with look at the 'inside'



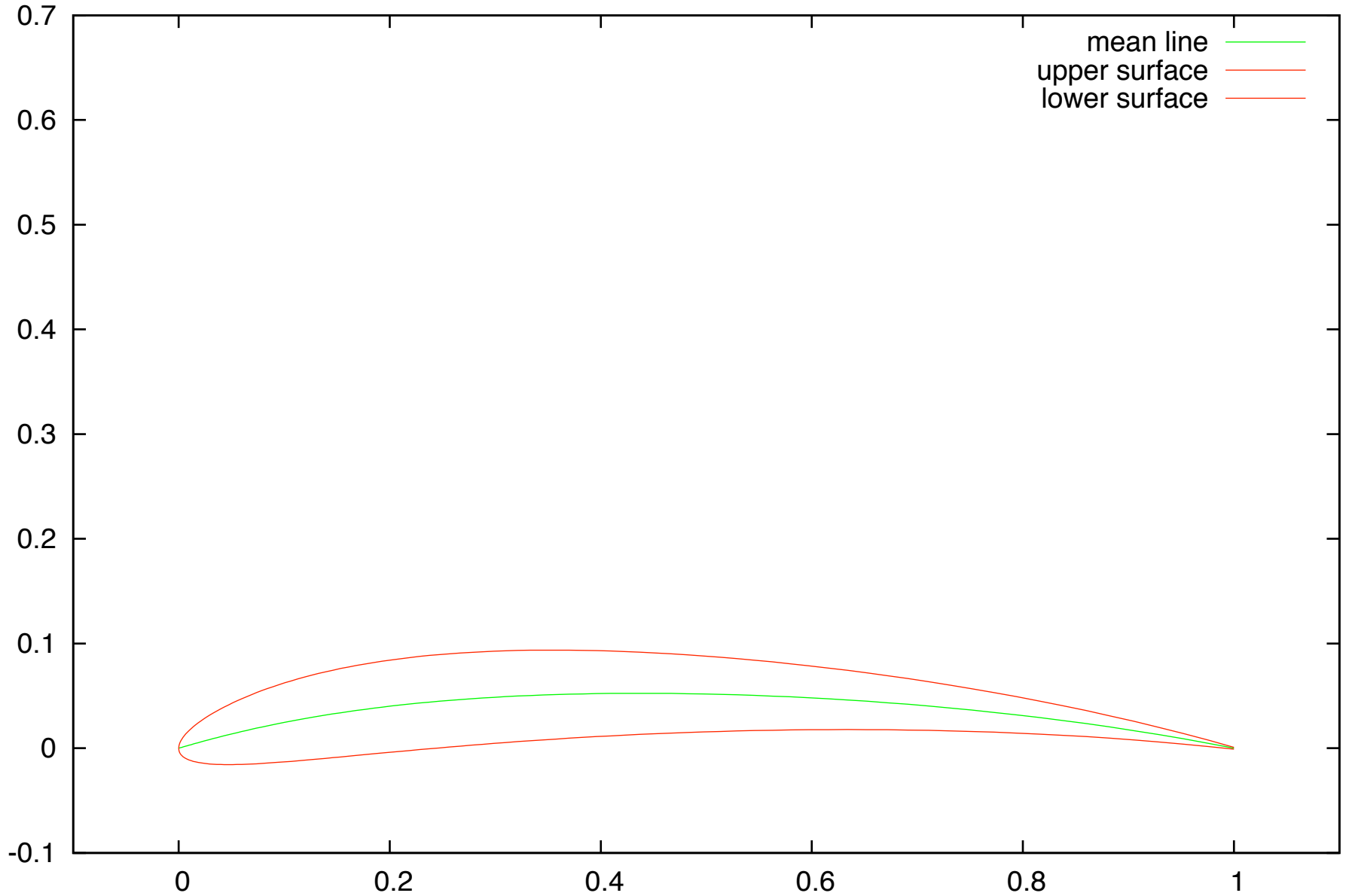
Klein bottle, glassblowers' version (look-through)



Klein bottle, glassblowers' version (solid)

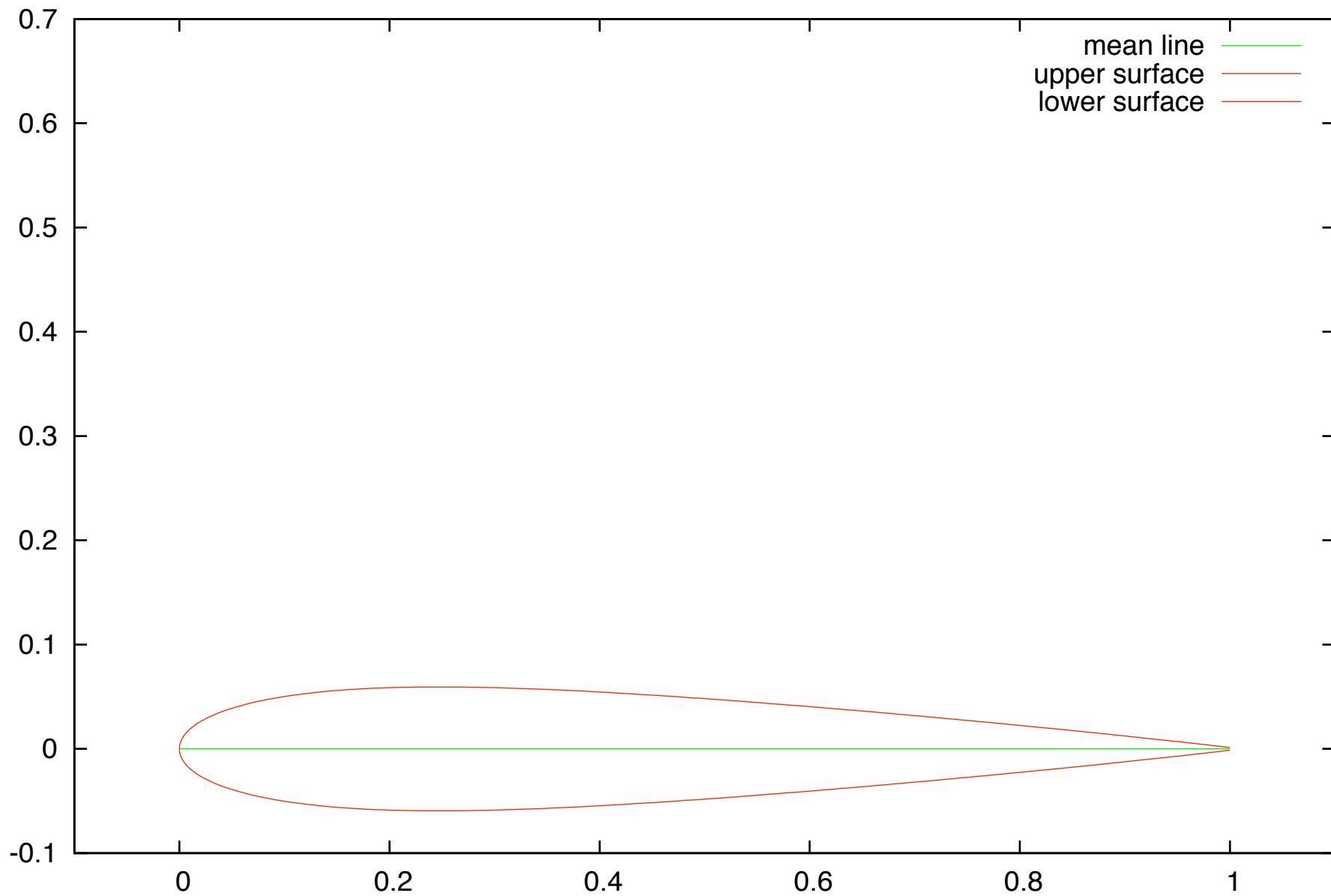


NACA6409 Airfoil



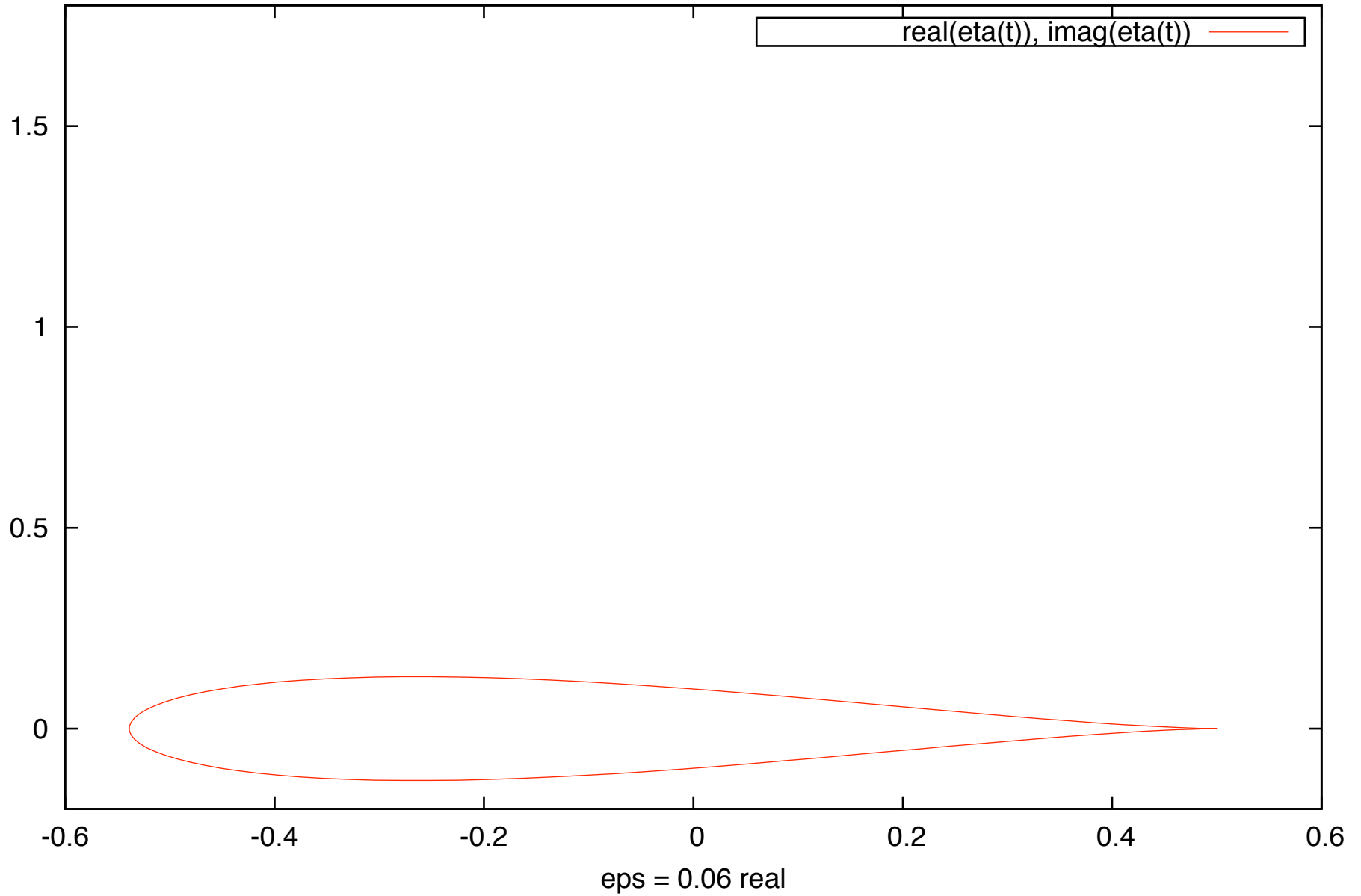
NACA6409 -- 9% thick, 40% max camber, 6% camber

NACA0012 Airfoil



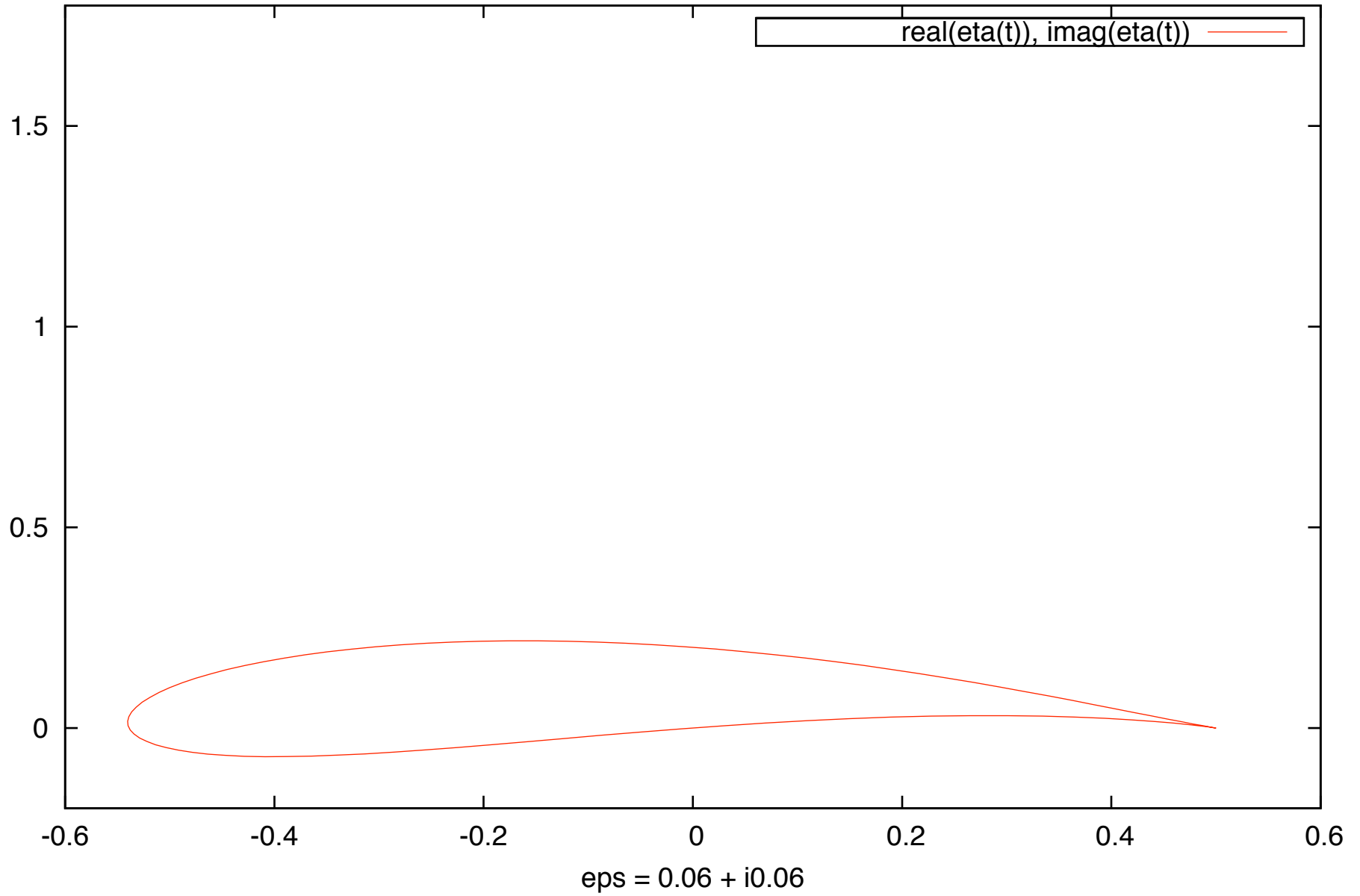
12% thick, no camber -- classical test case

Joukowski Airfoil using Complex Variables



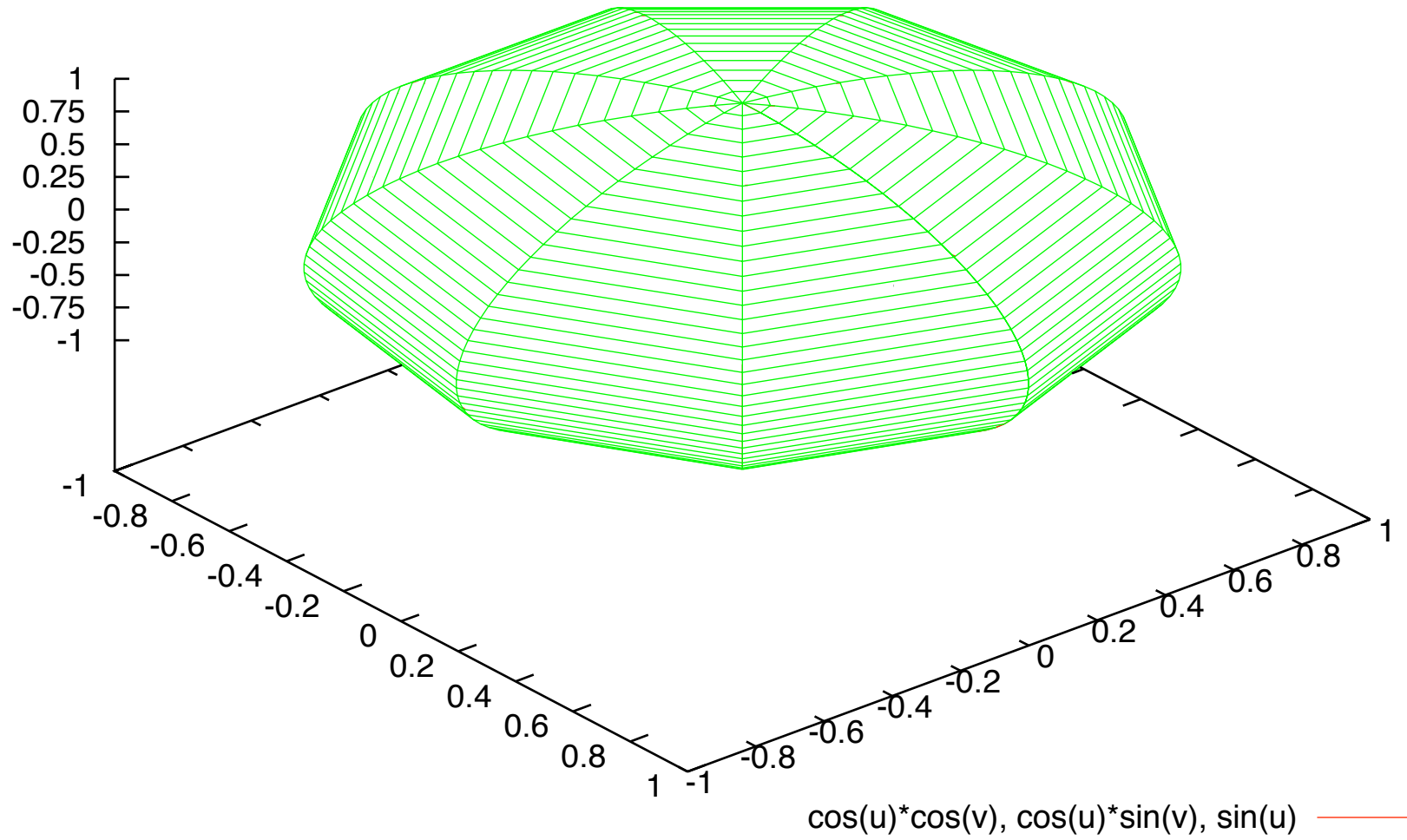
Wed Feb 04 12:18:51 2009

Joukowski Airfoil using Complex Variables

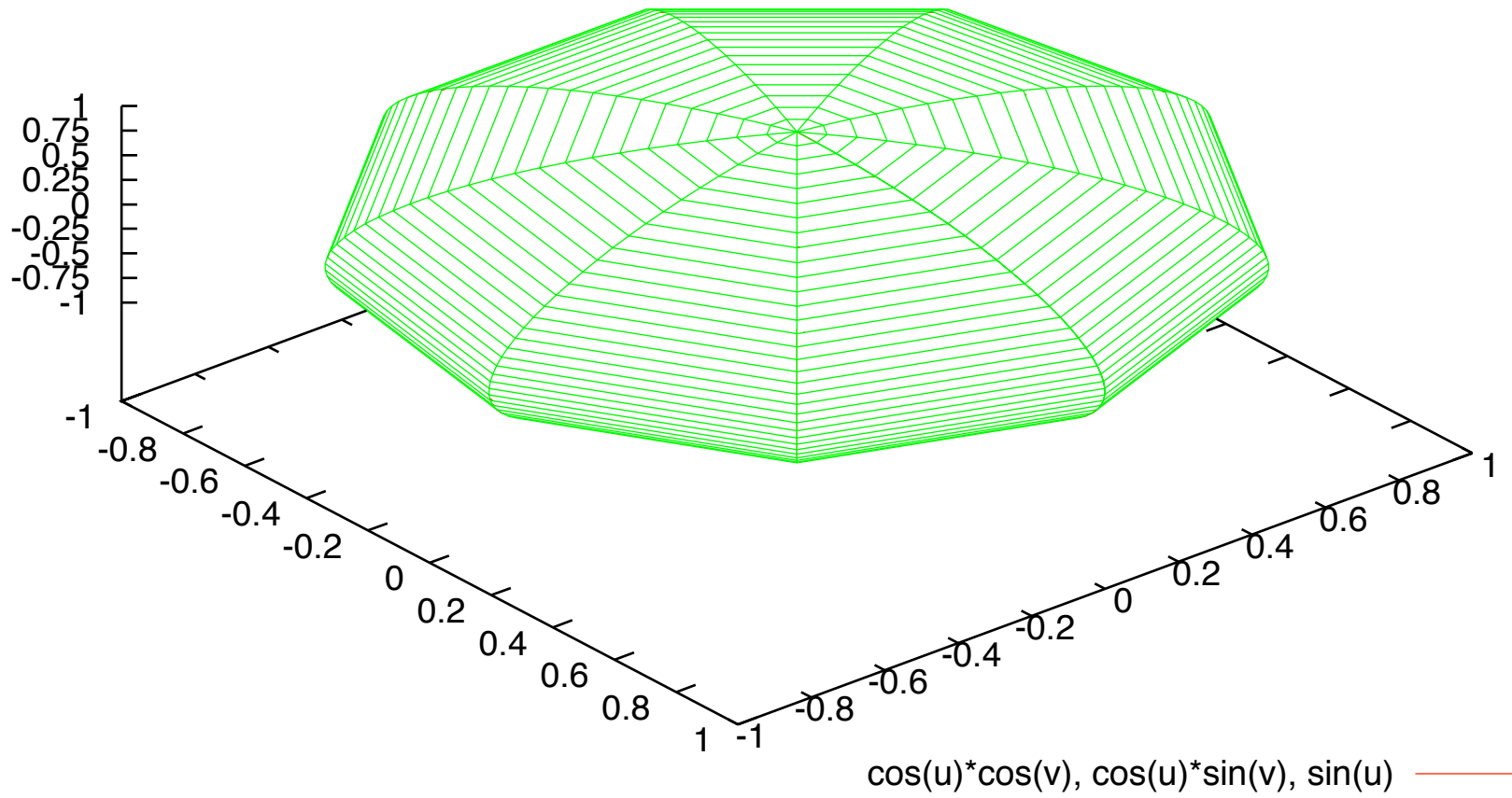


Wed Feb 04 12:18:51 2009

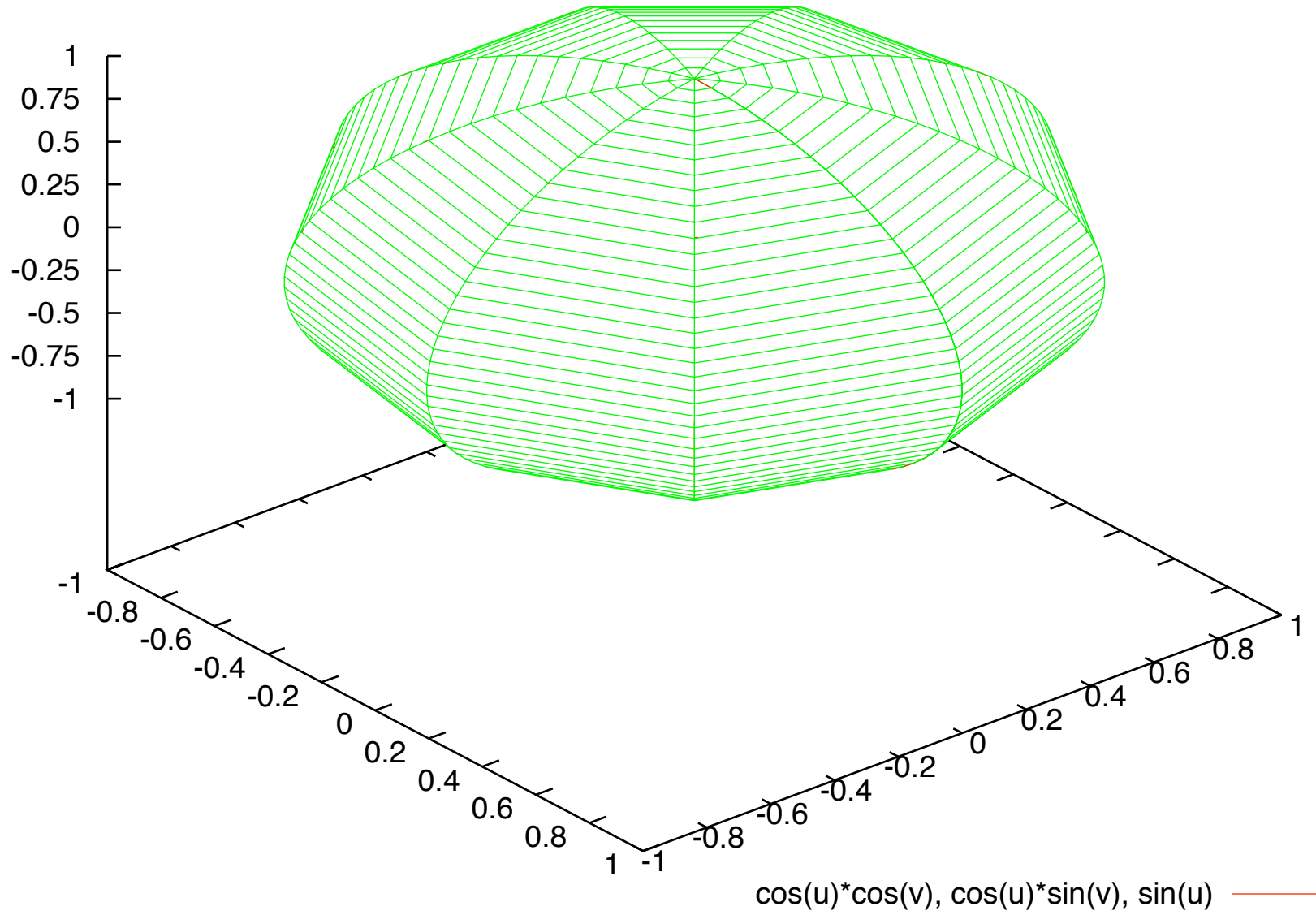
Parametric Sphere



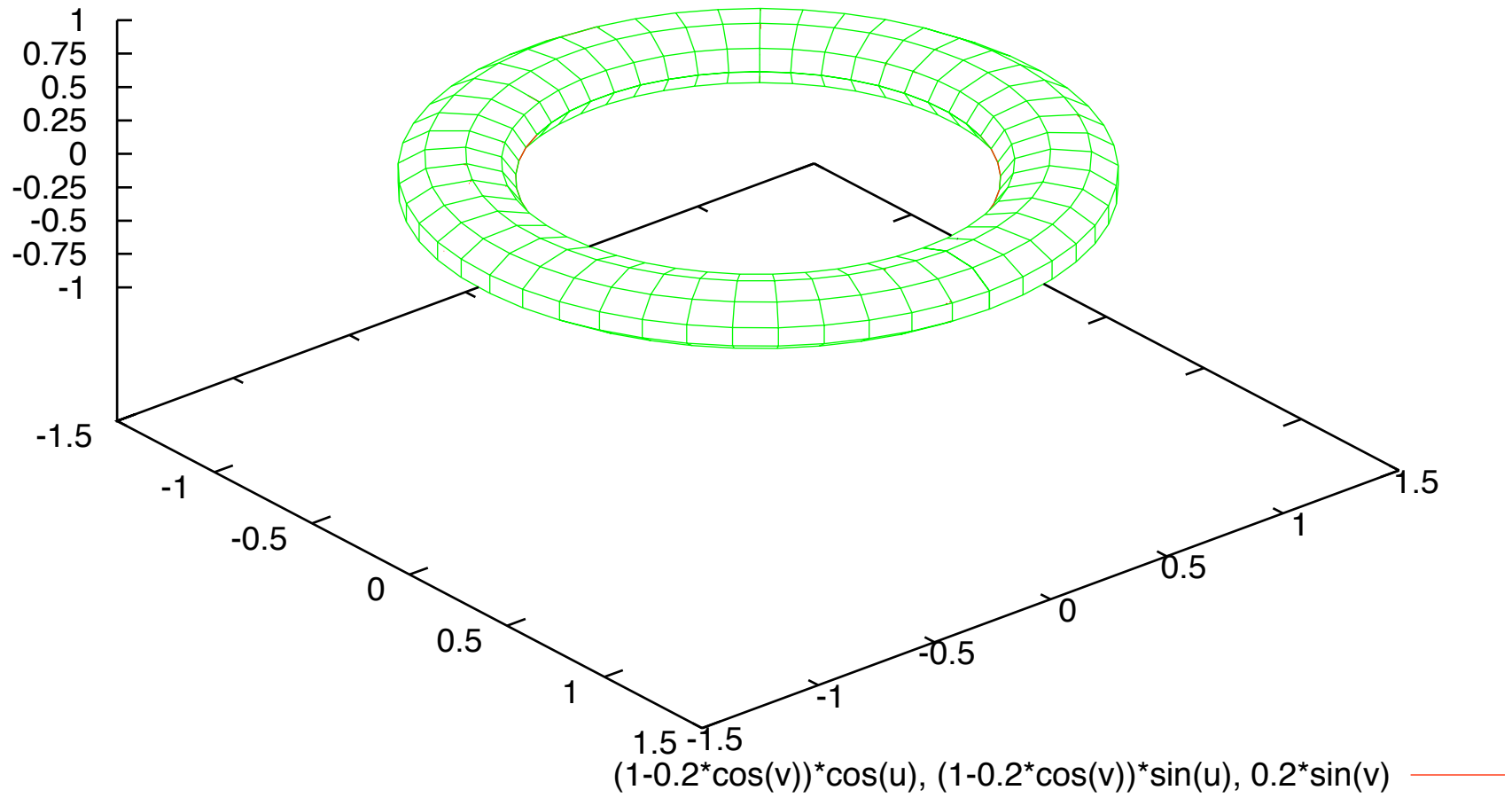
Parametric Sphere, crunched z axis



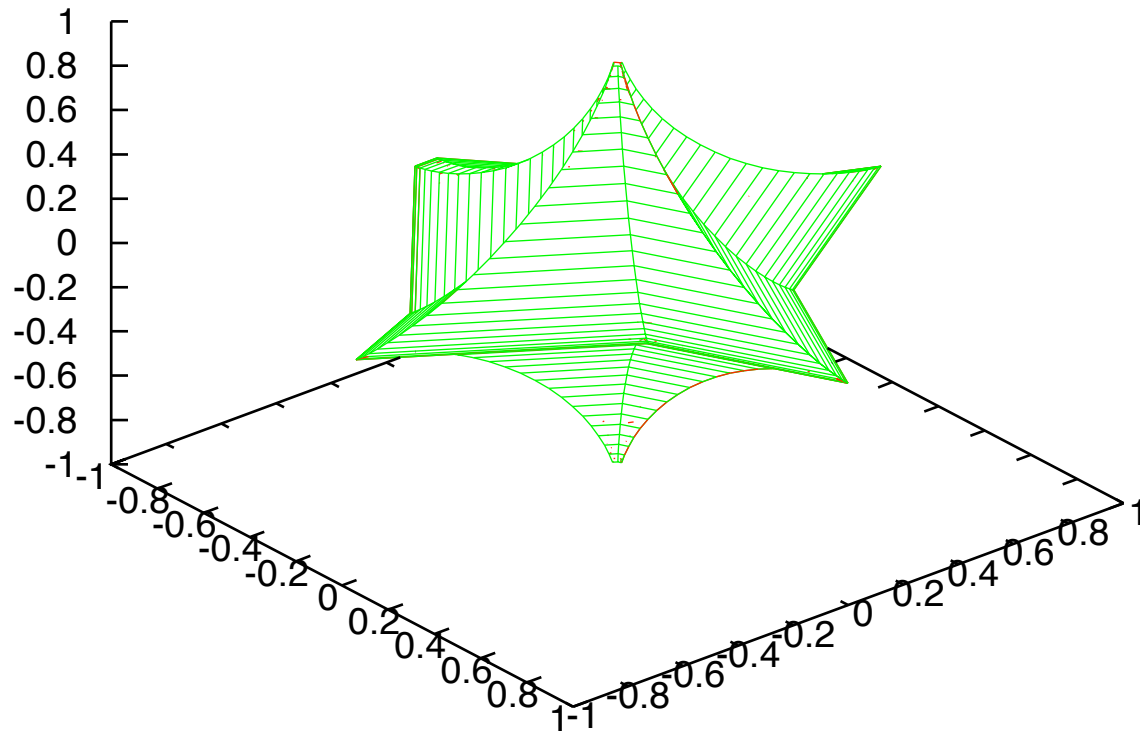
Parametric Sphere, enlarged z axis



Parametric Torus

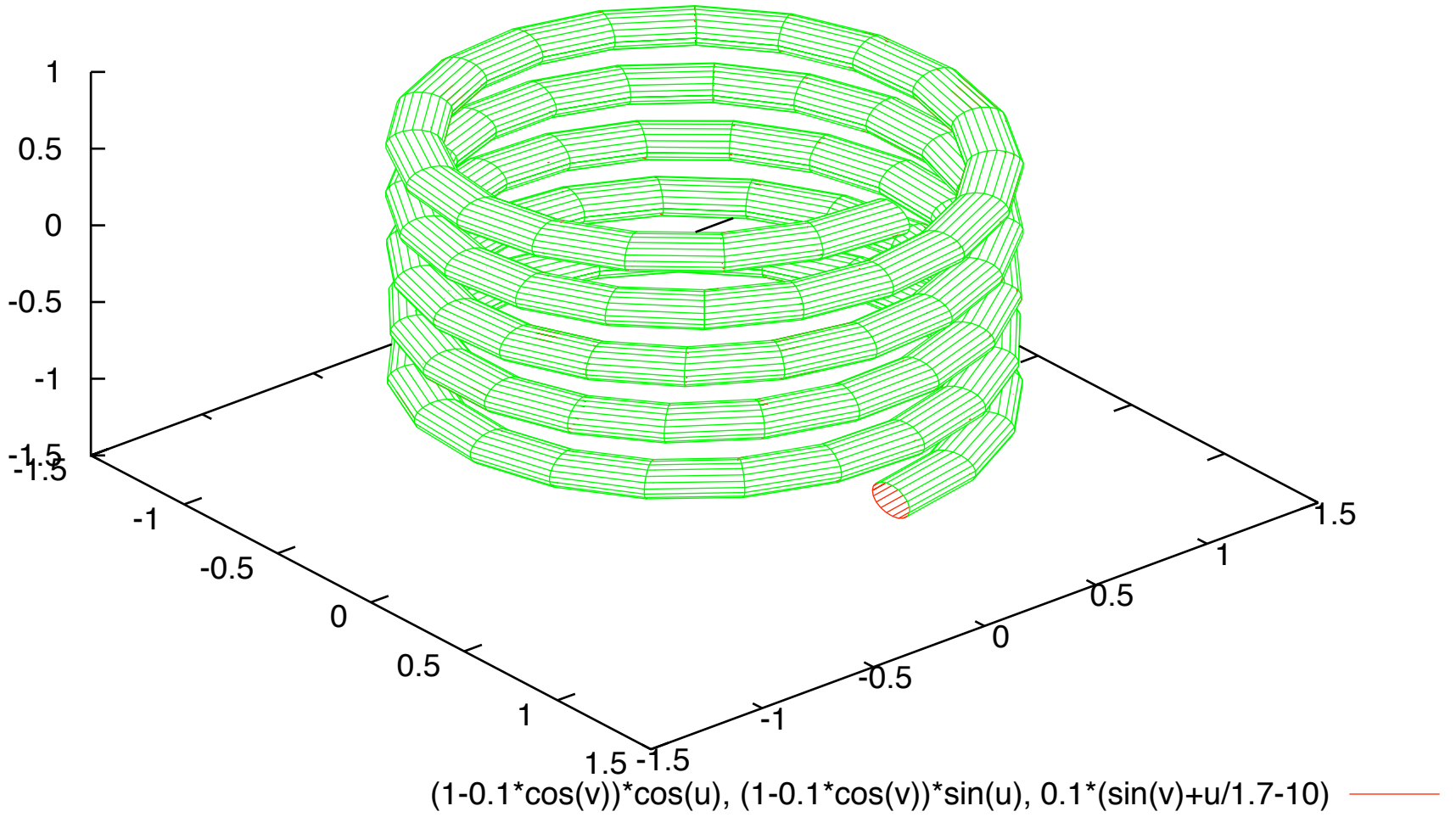


Parametric Hexagon

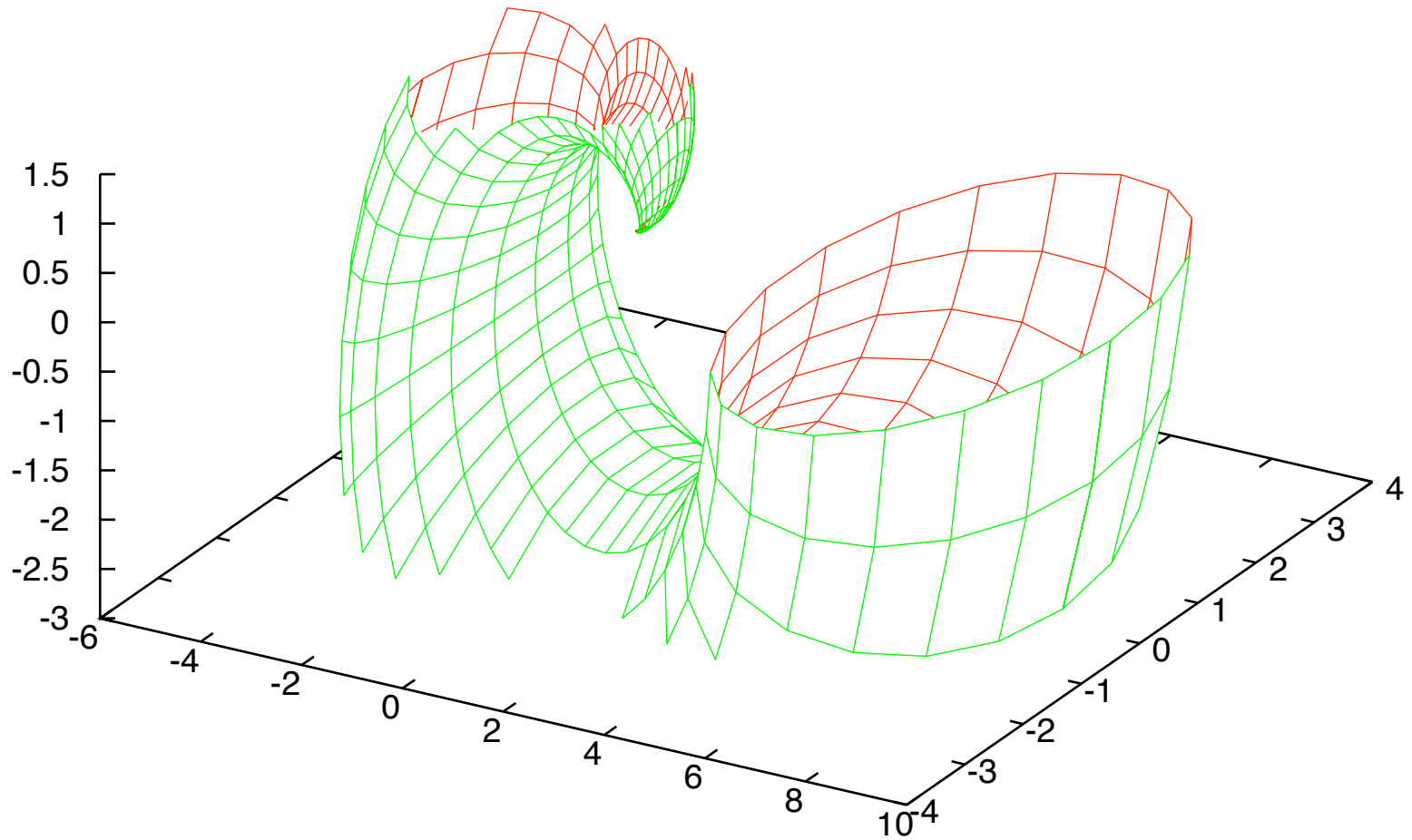


$$\cos(v)^3 \cos(u)^3, \sin(v)^3 \cos(u)^3, \sin(u)^3$$

Parametric Helix

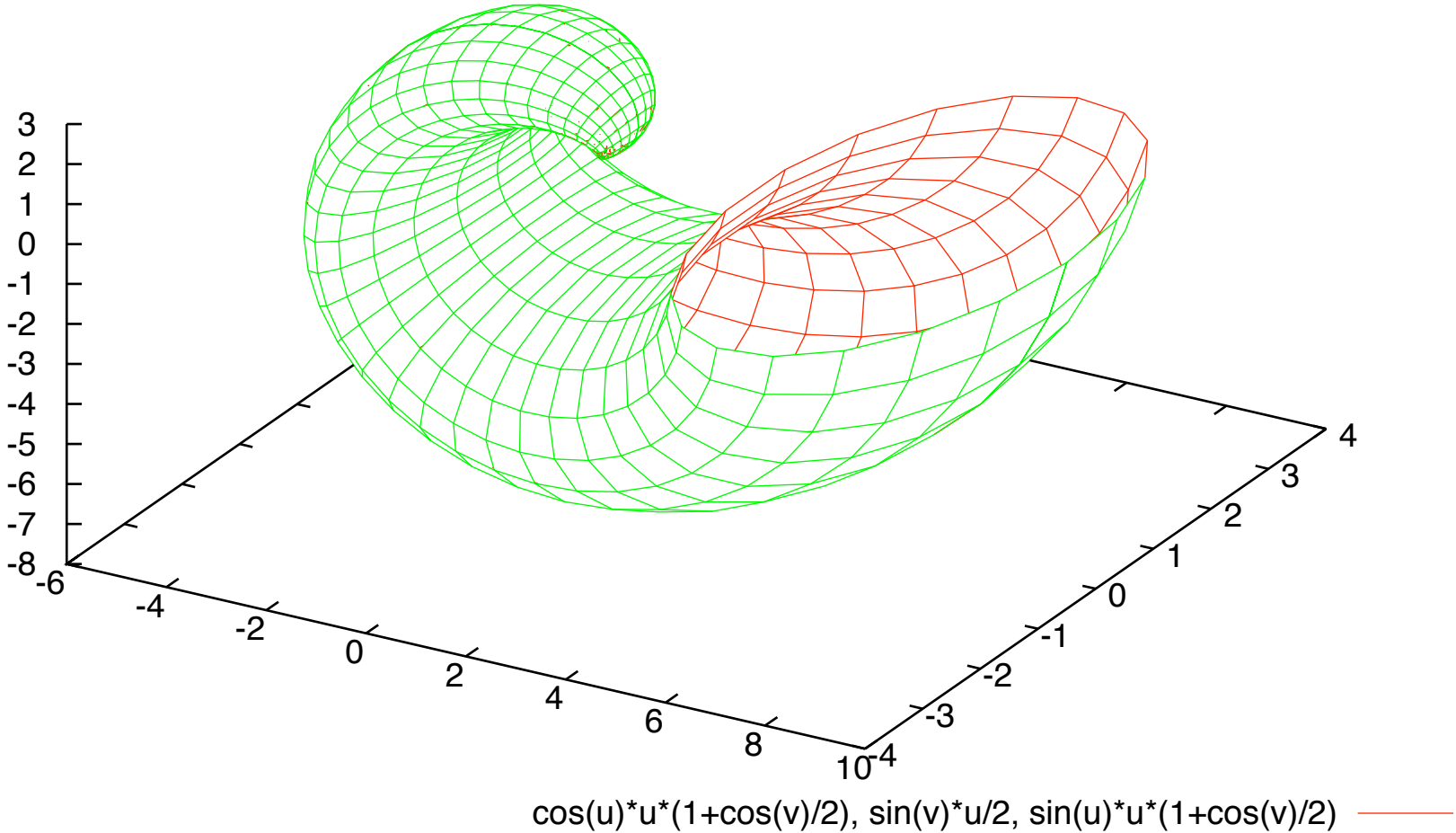


Parametric Shell (clipped to limited z range)

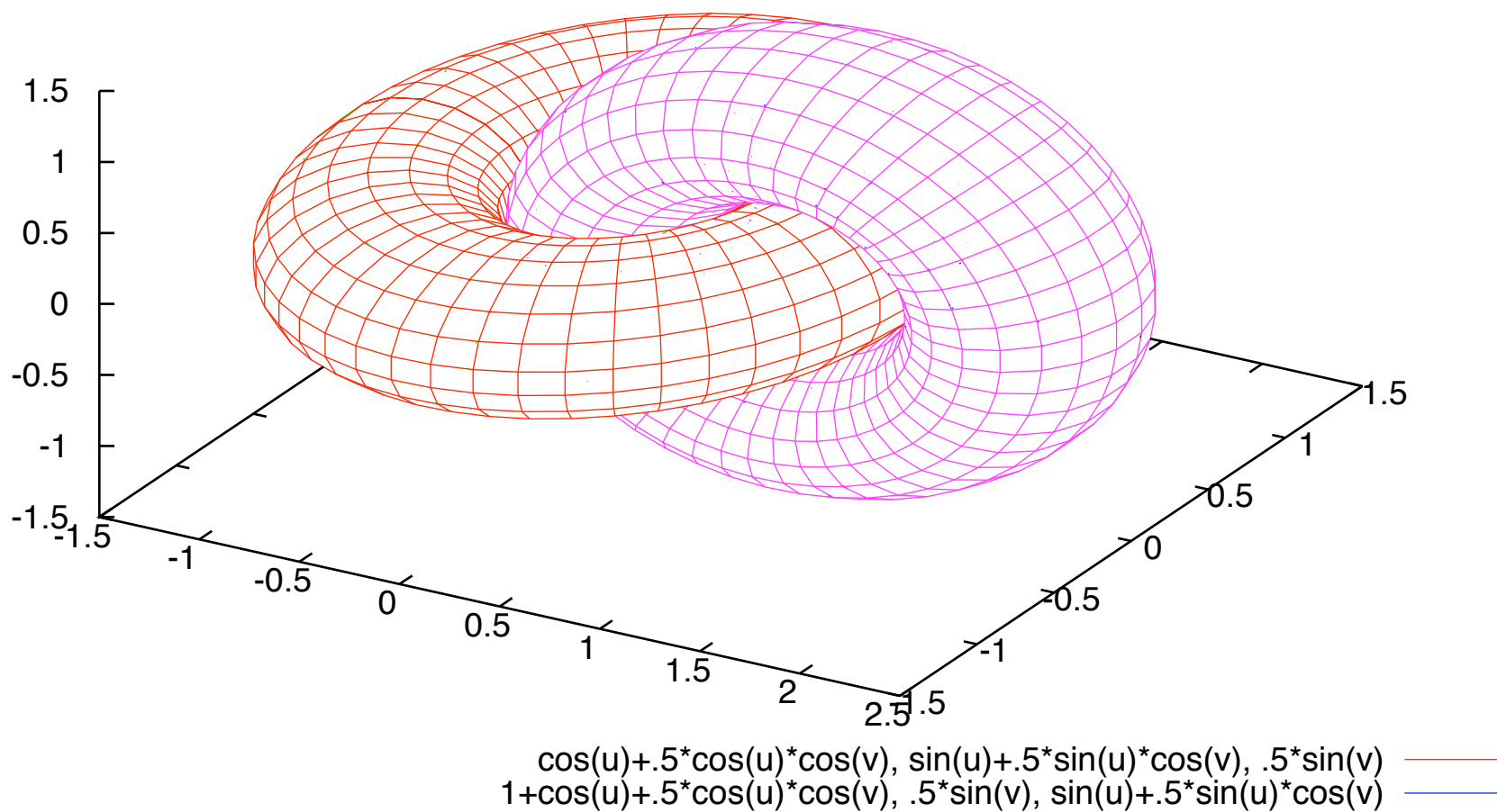


$\cos(u)*u*(1+\cos(v)/2), \sin(v)*u/2, \sin(u)*u*(1+\cos(v)/2)$ ———

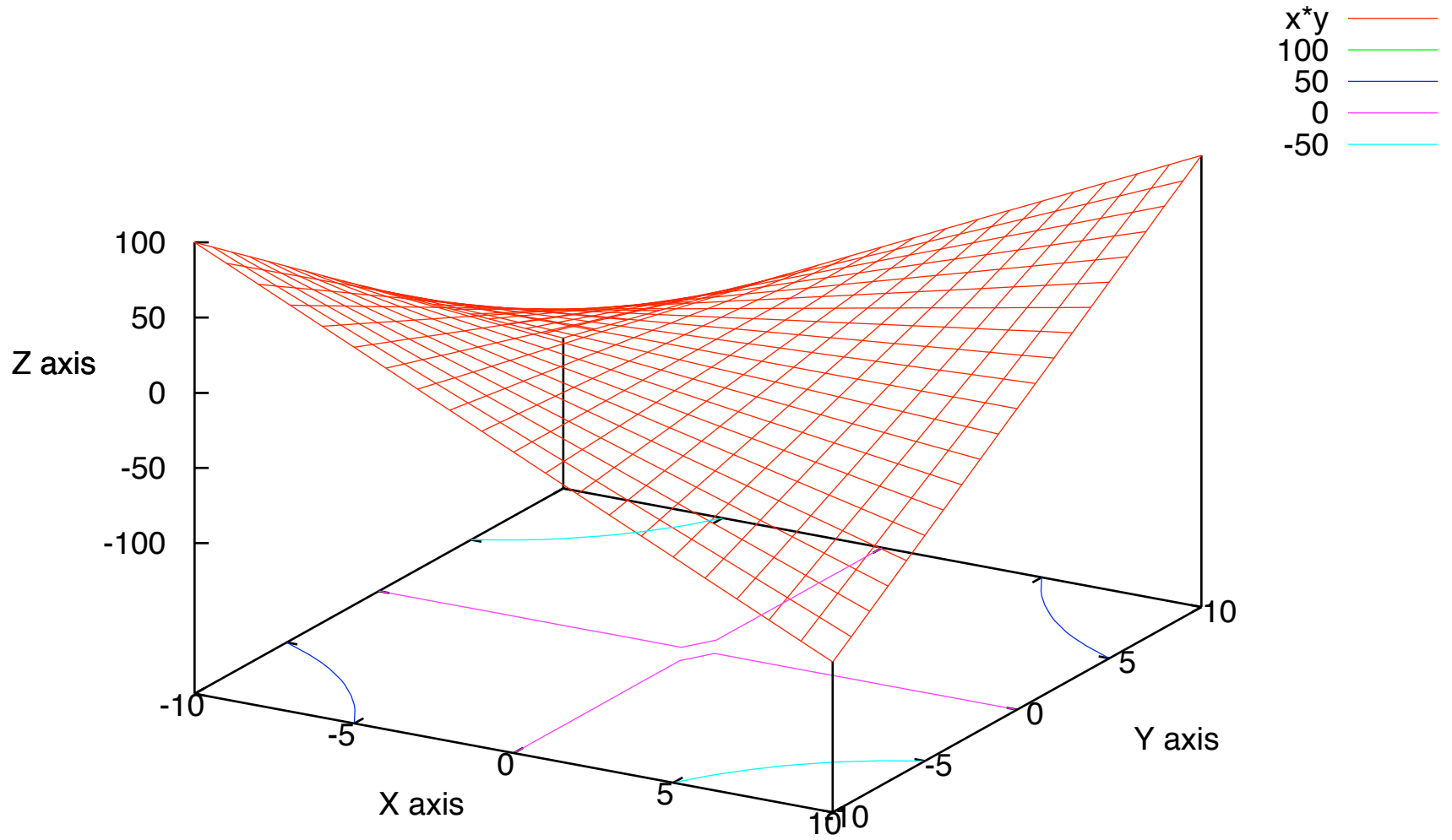
Parametric Shell (automatic z range)



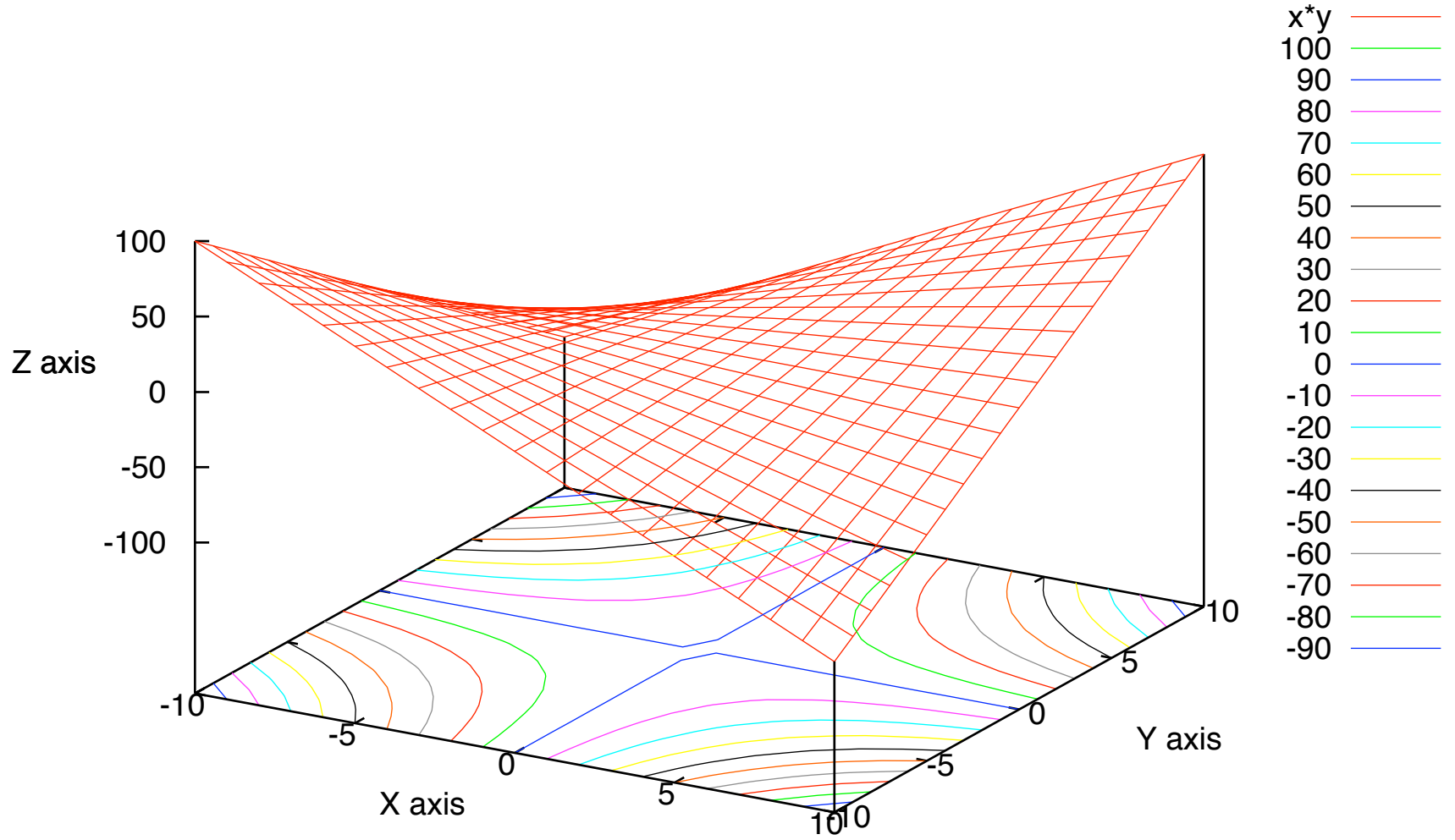
Interlocking Tori



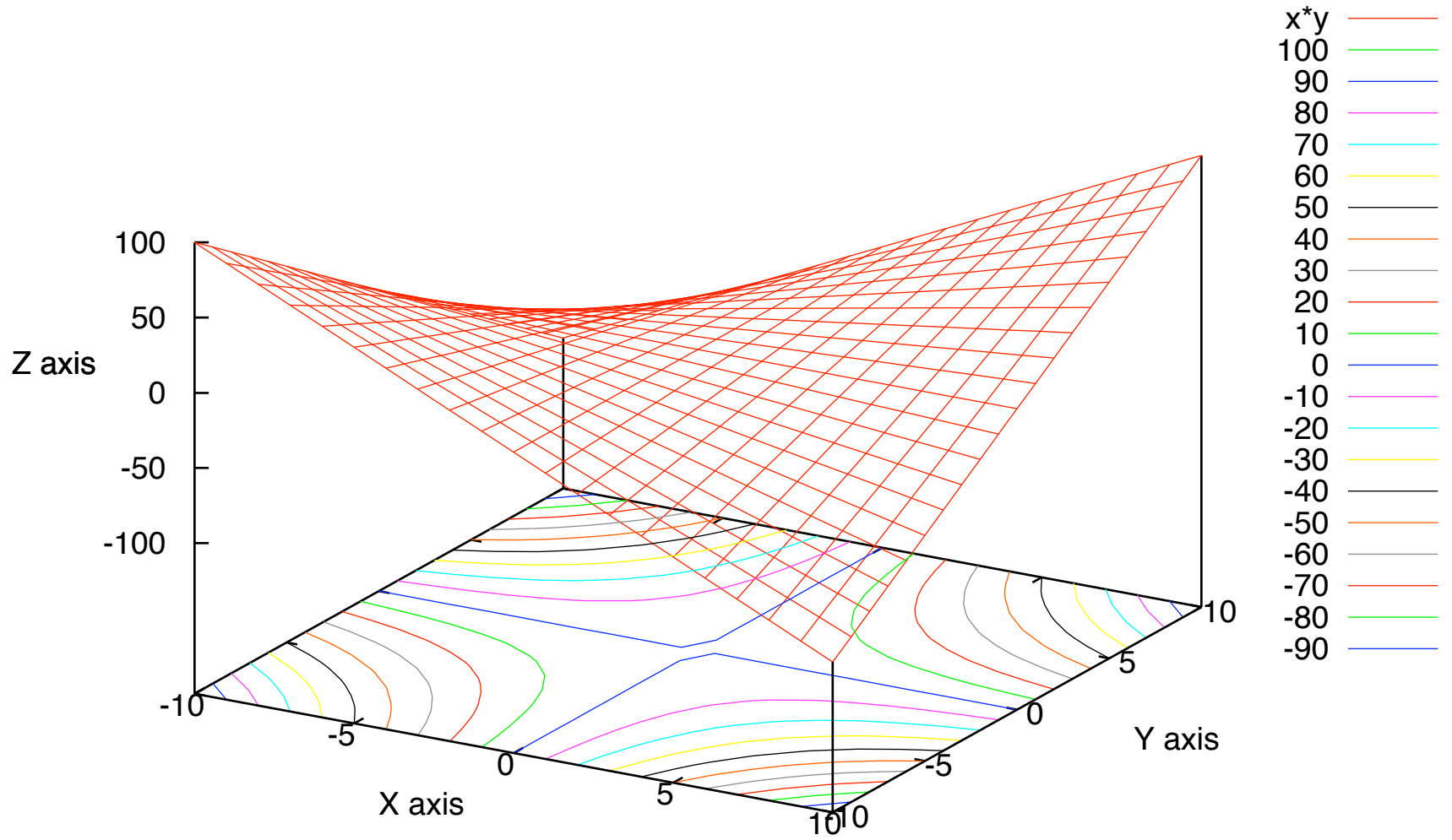
3D gnuplot demo - contour plot



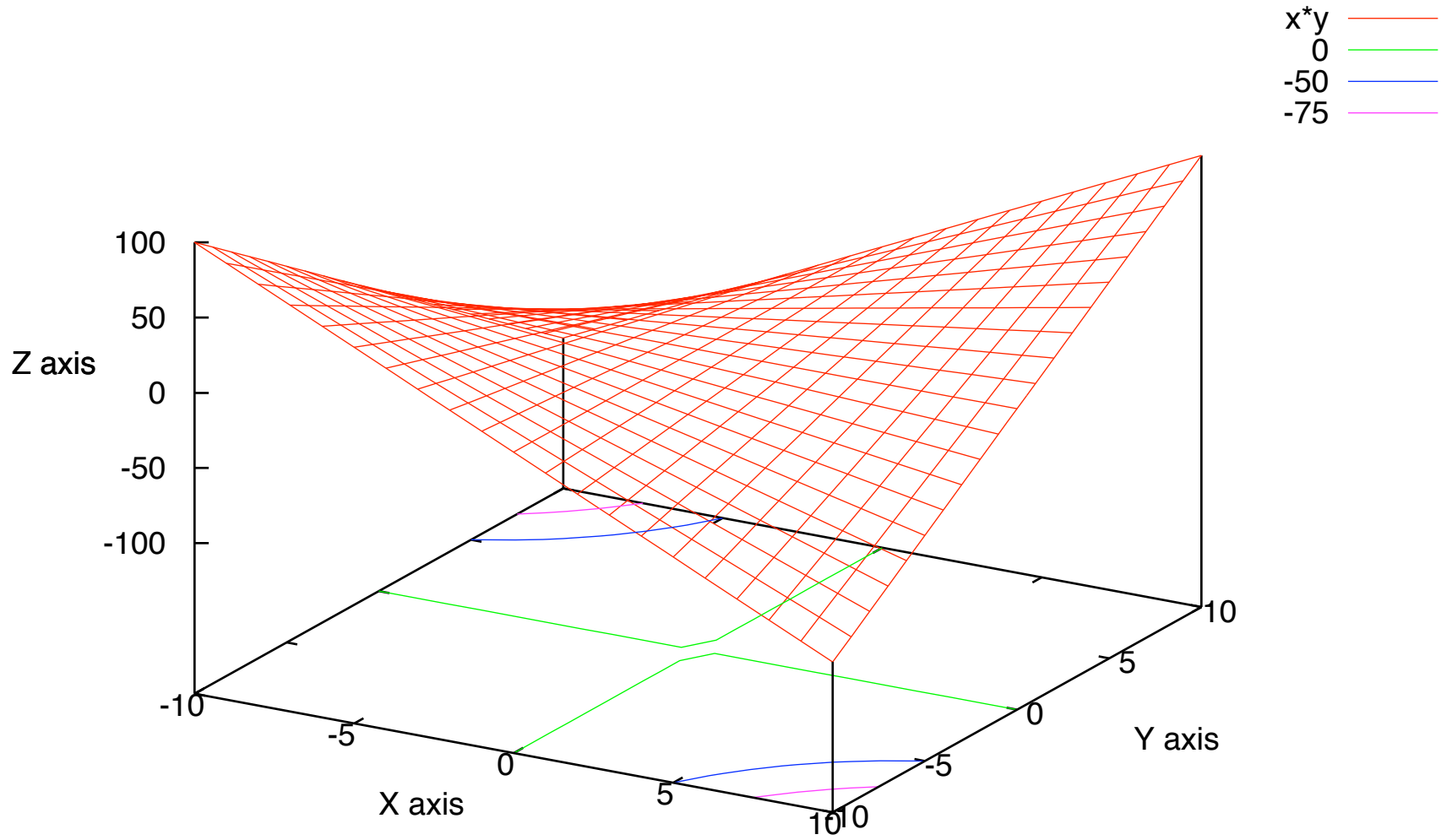
3D gnuplot demo - contour plot (more contours)



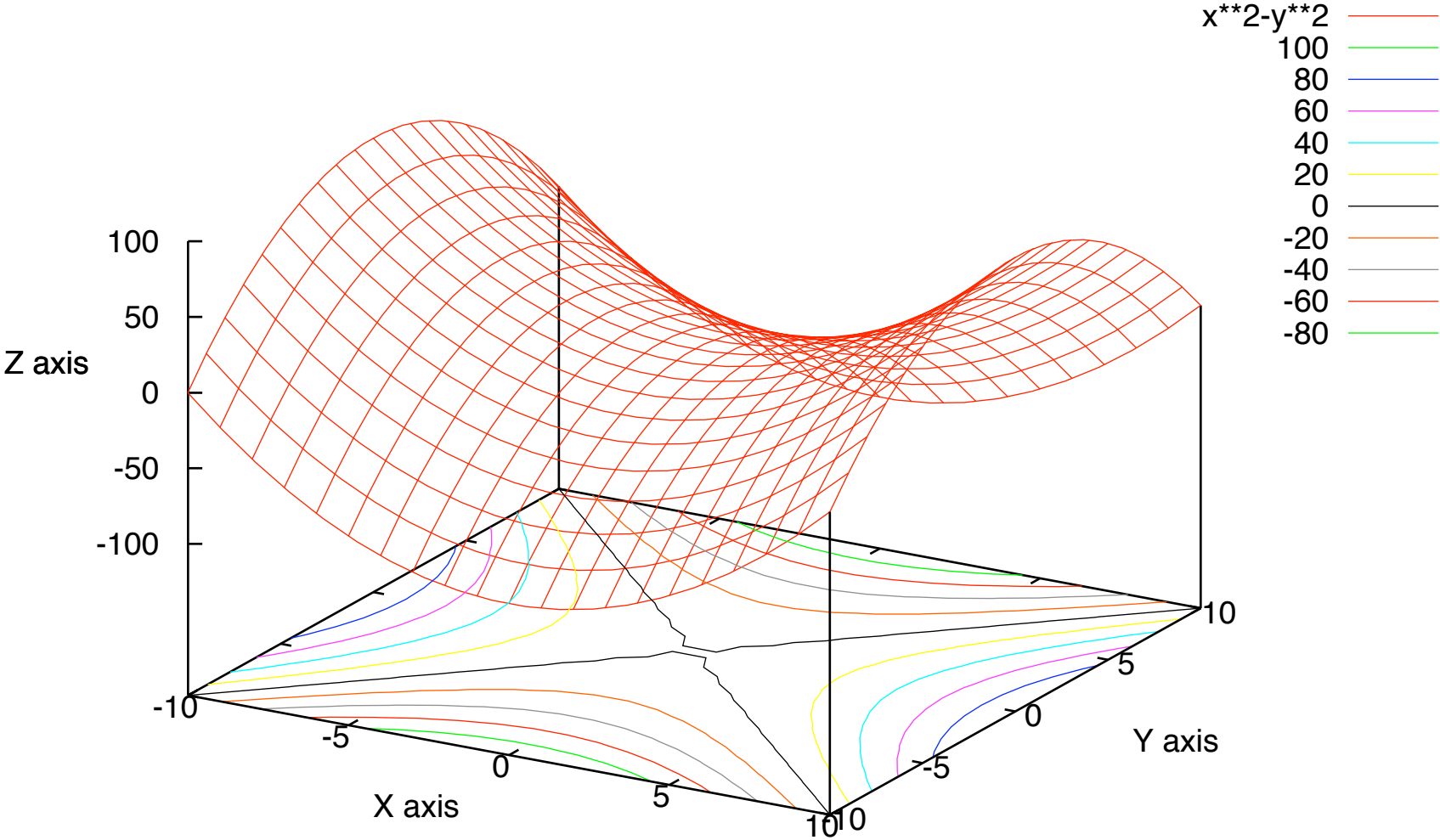
3D gnuplot demo - contour plot (every 10, starting at -100)



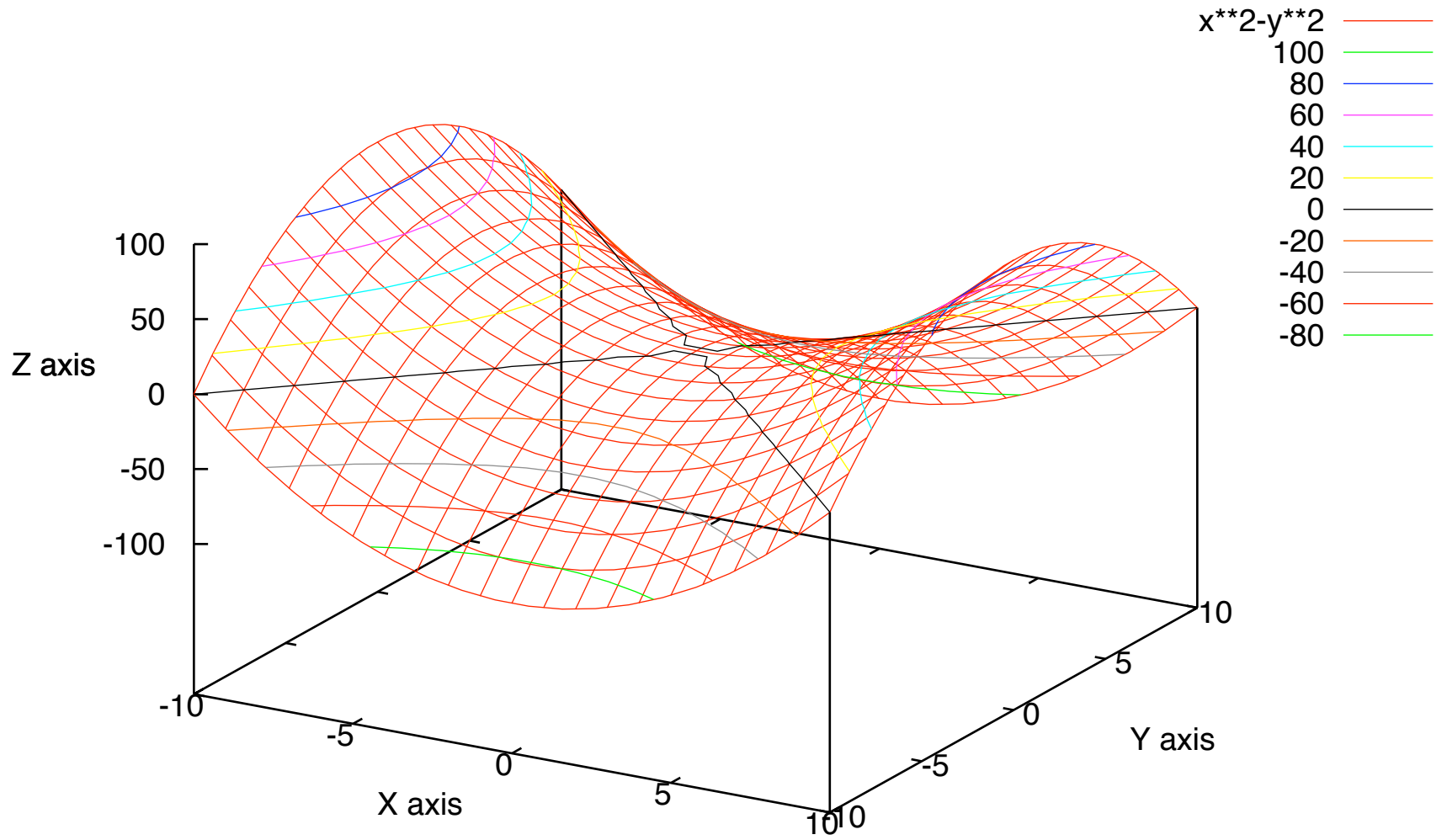
3D gnuplot demo - contour plot (at -75, -50, 0)



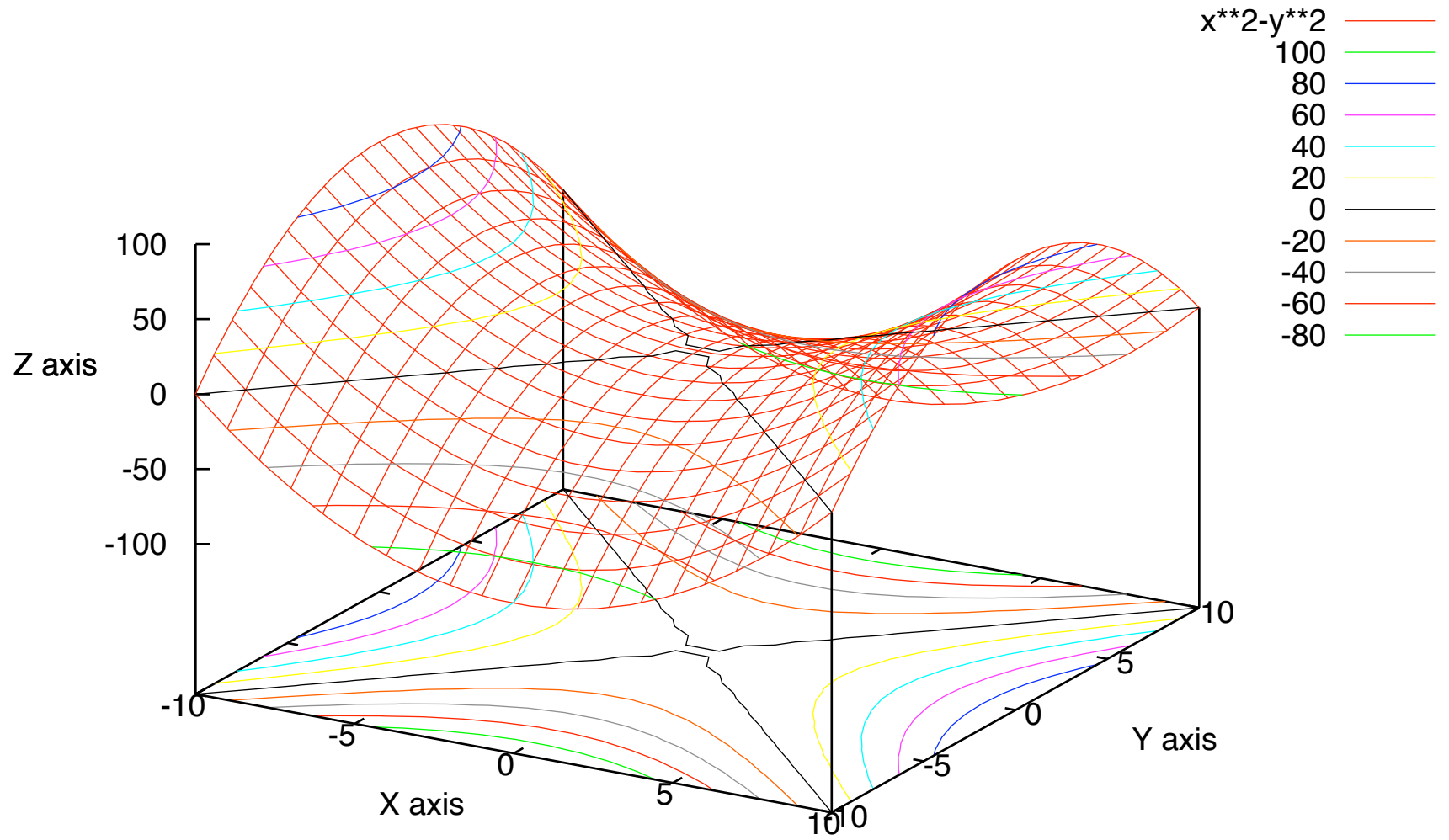
3D gnuplot demo - contour plot on base grid



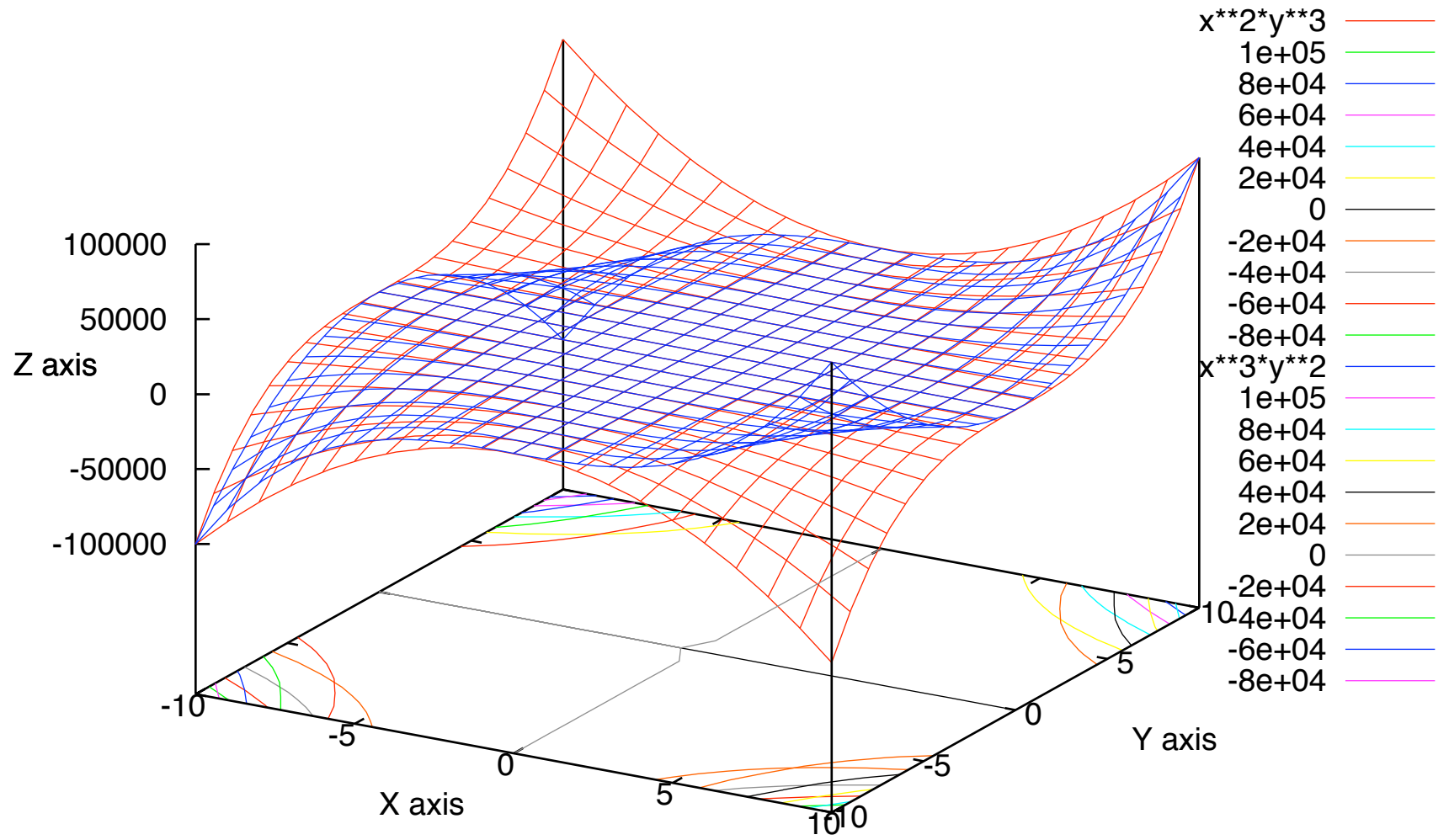
3D gnuplot demo - contour plot on surface



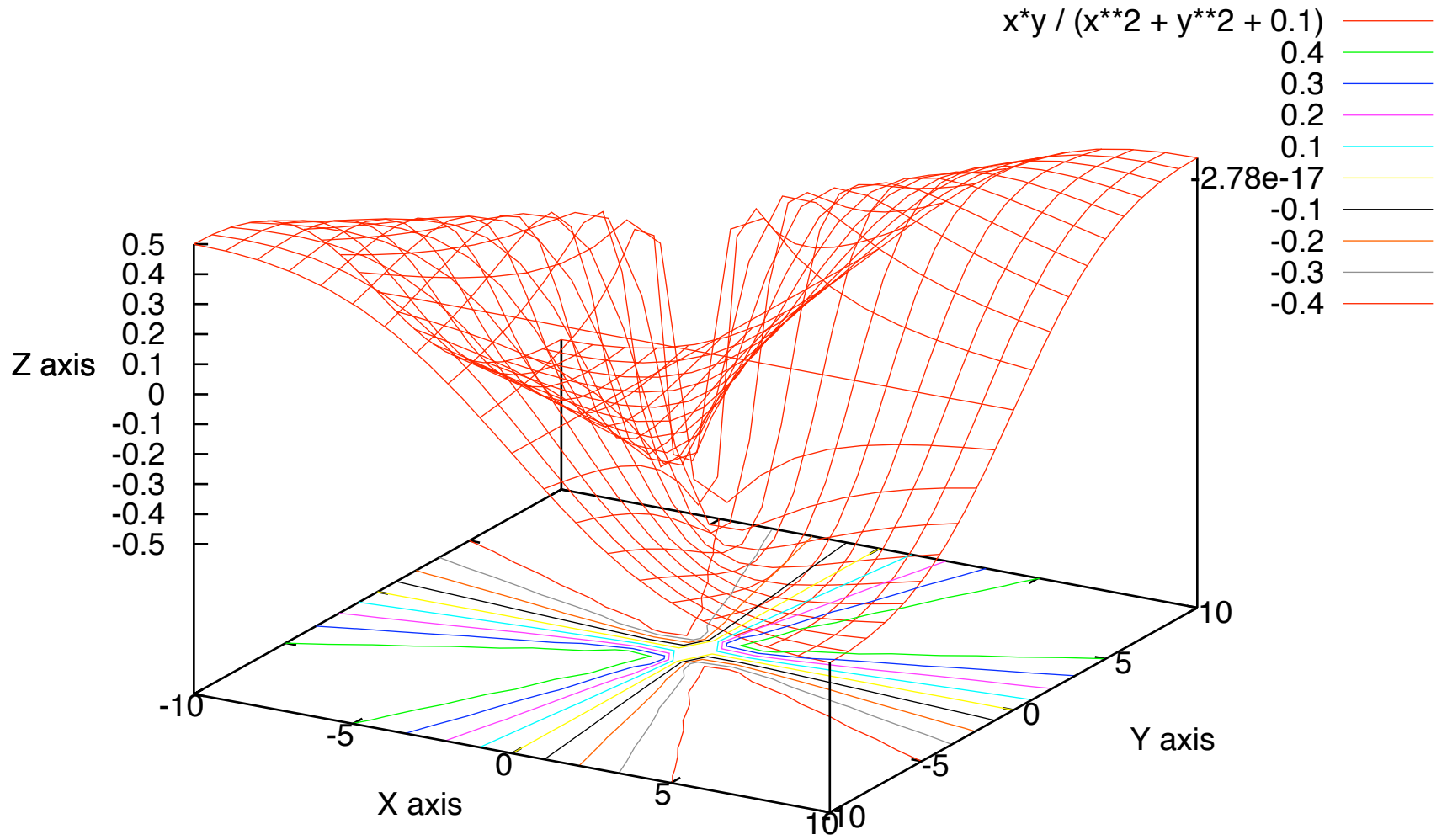
3D gnuplot demo - contour plot on both



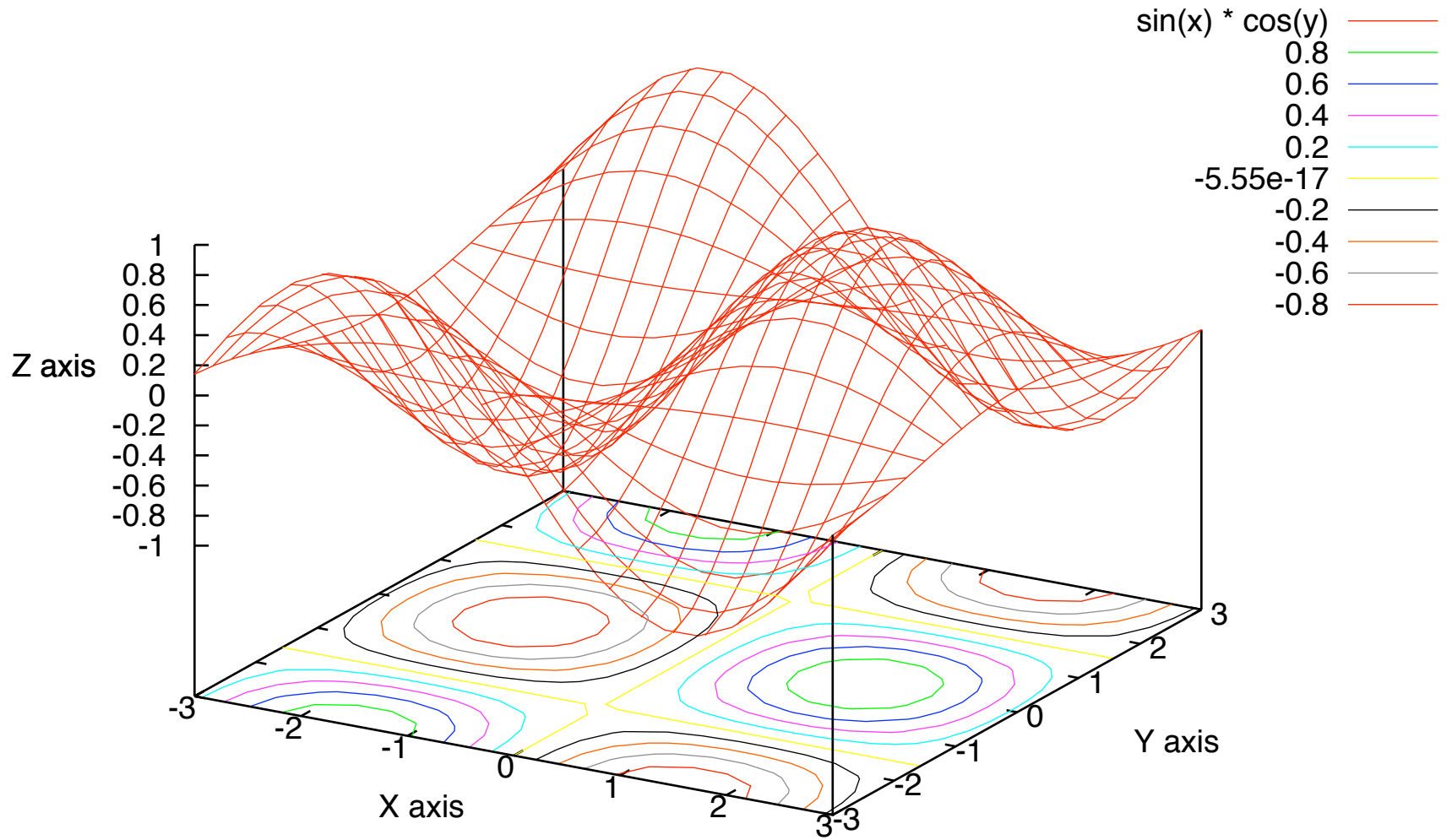
3D gnuplot demo - 2 surfaces



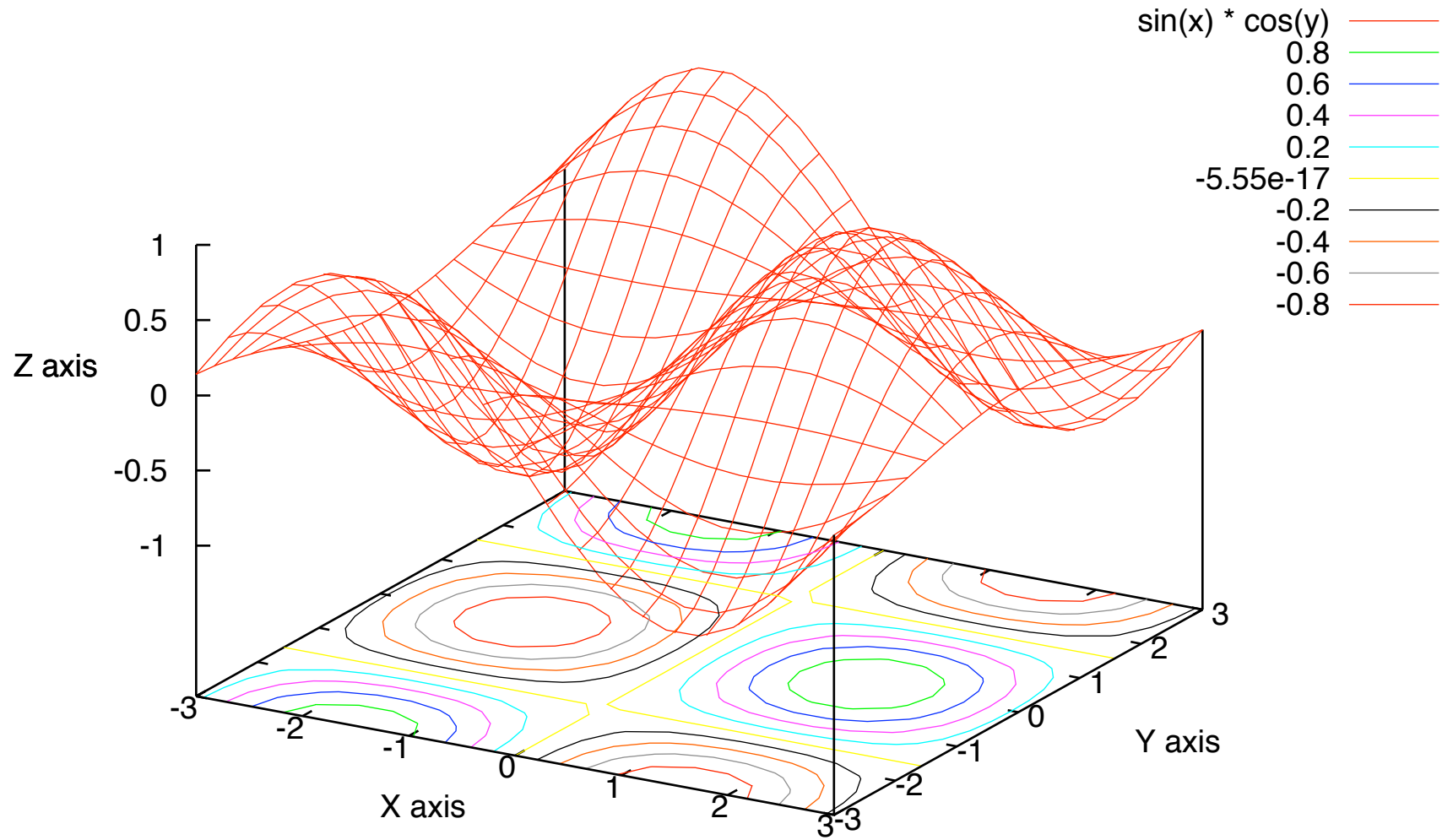
3D gnuplot demo - some more interesting contours



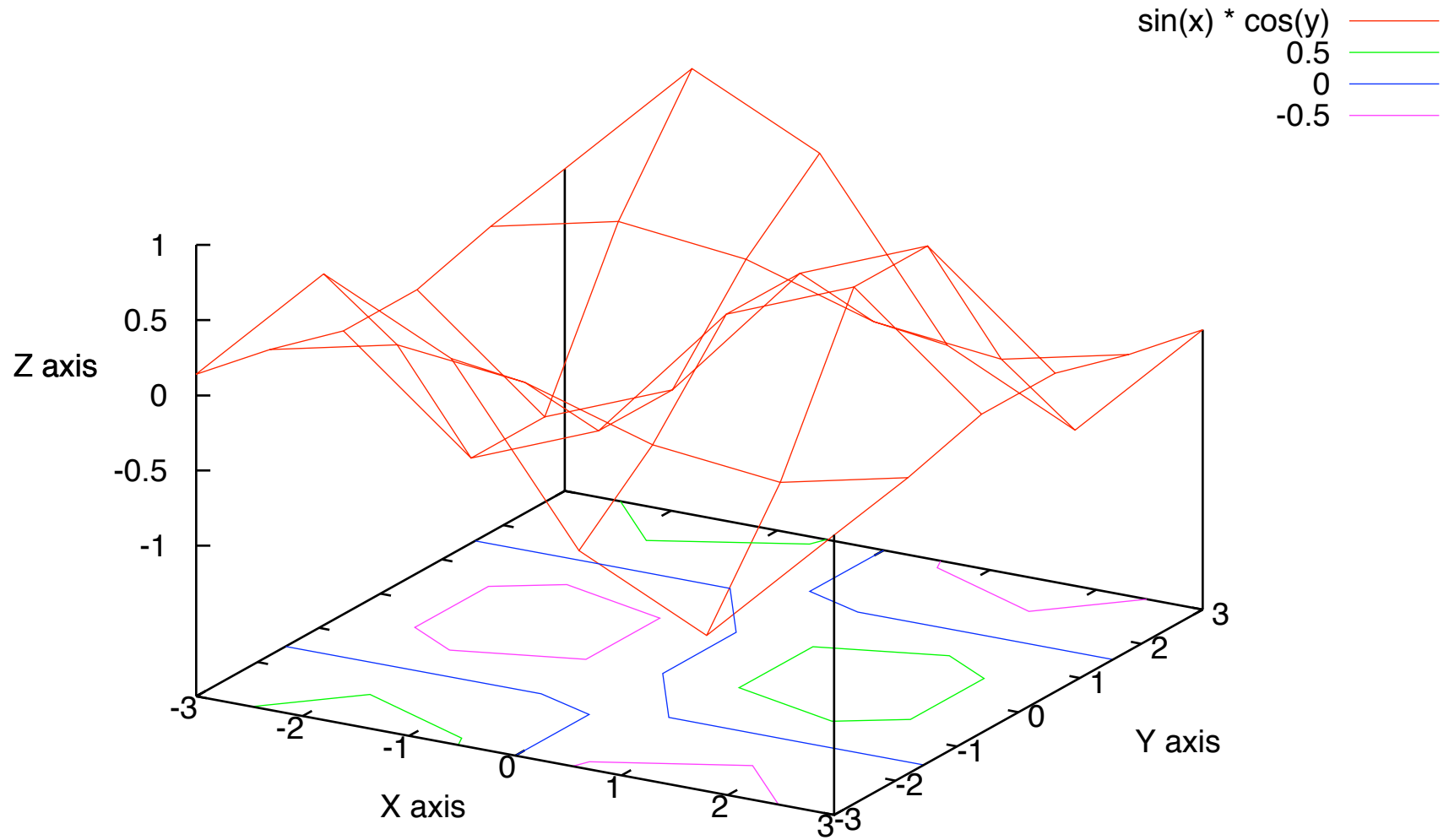
3D gnuplot demo - some more interesting contours



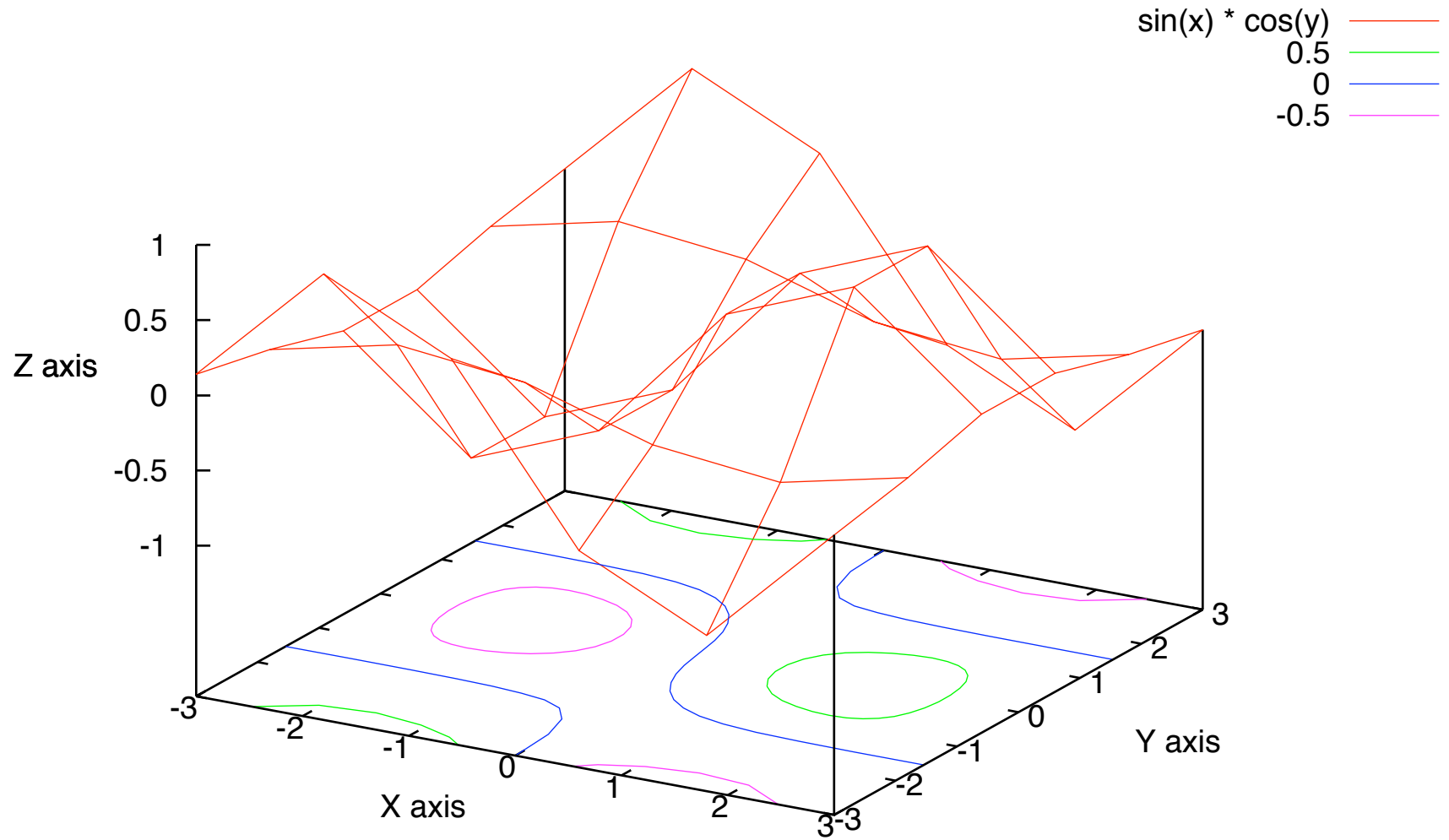
3D gnuplot demo - some more interesting contours



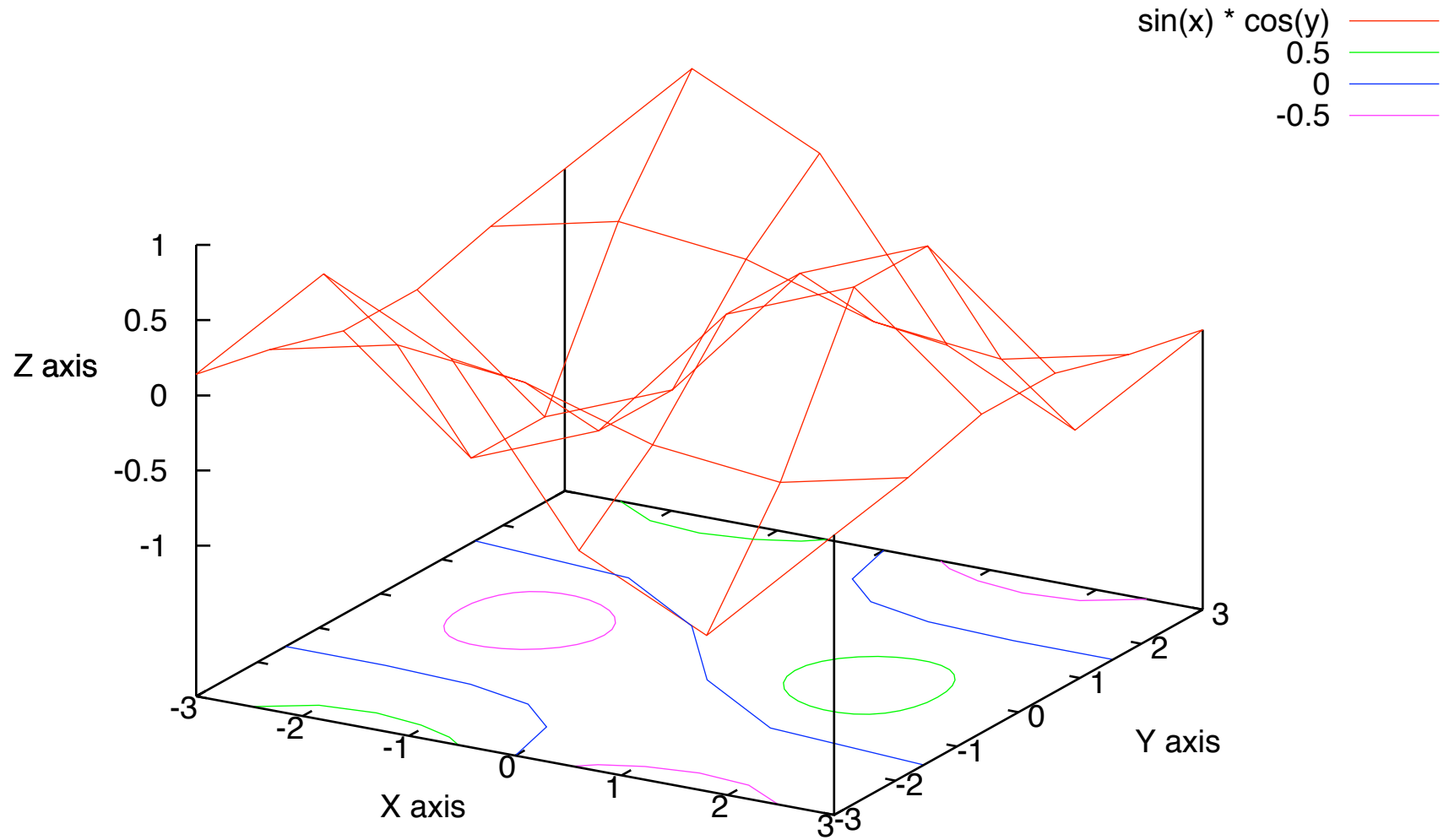
3D gnuplot demo - low resolution (6x6)



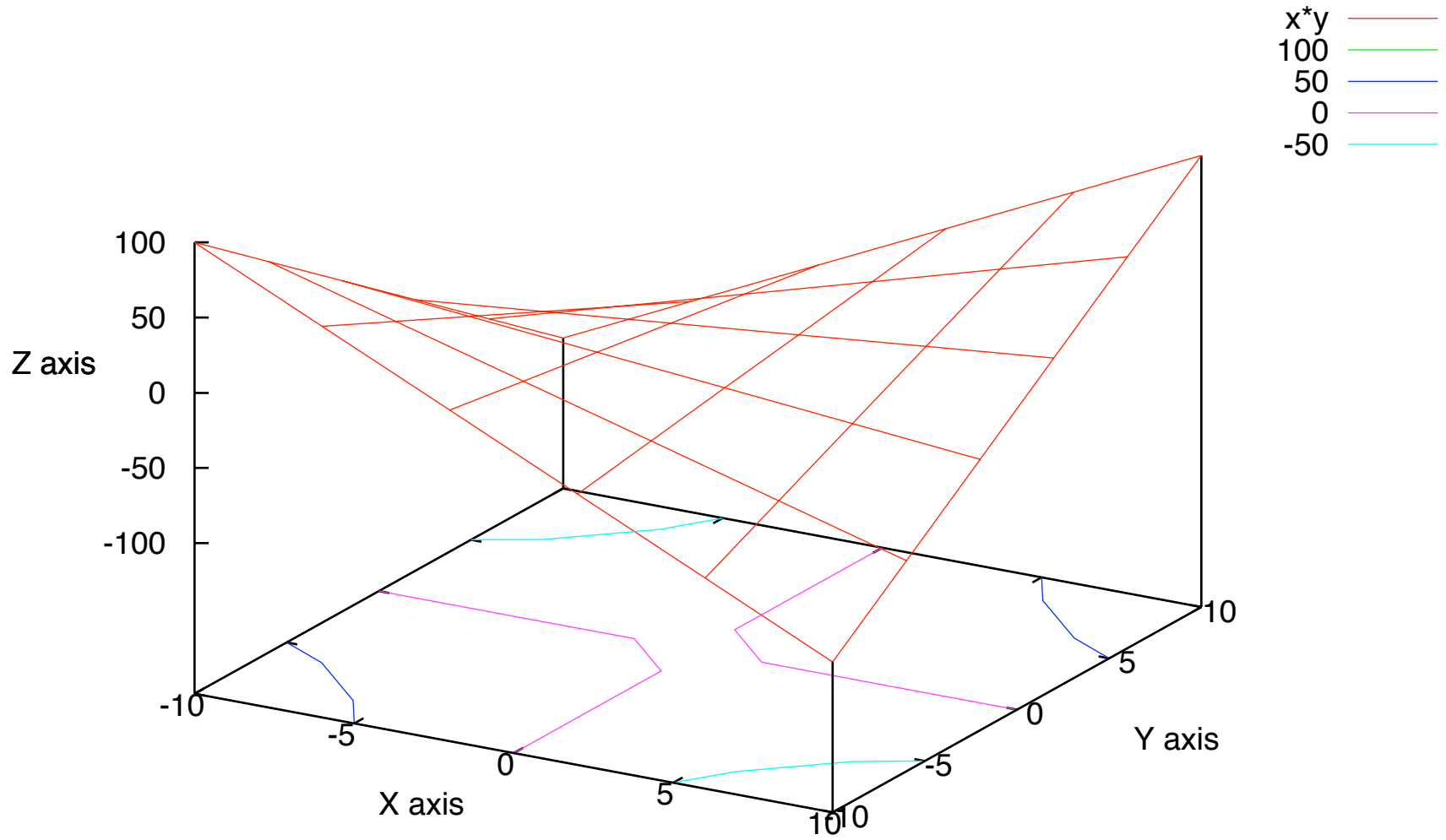
3D gnuplot demo - low resolution (6x6) using bspline approx.



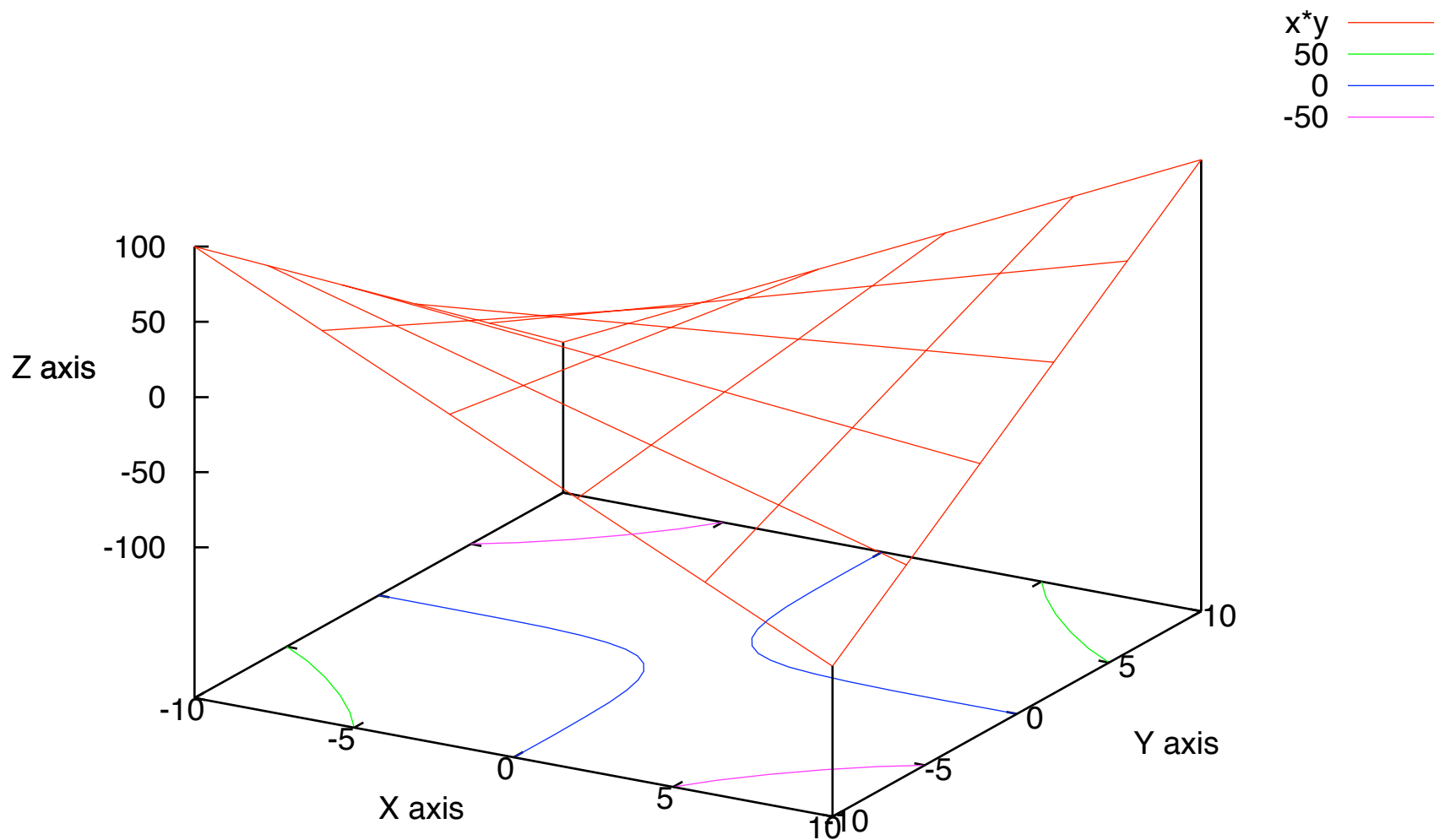
3D gnuplot demo - low resolution (6x6) raise bspline order.



3D gnuplot demo - low resolution (6x6) using linear contours.

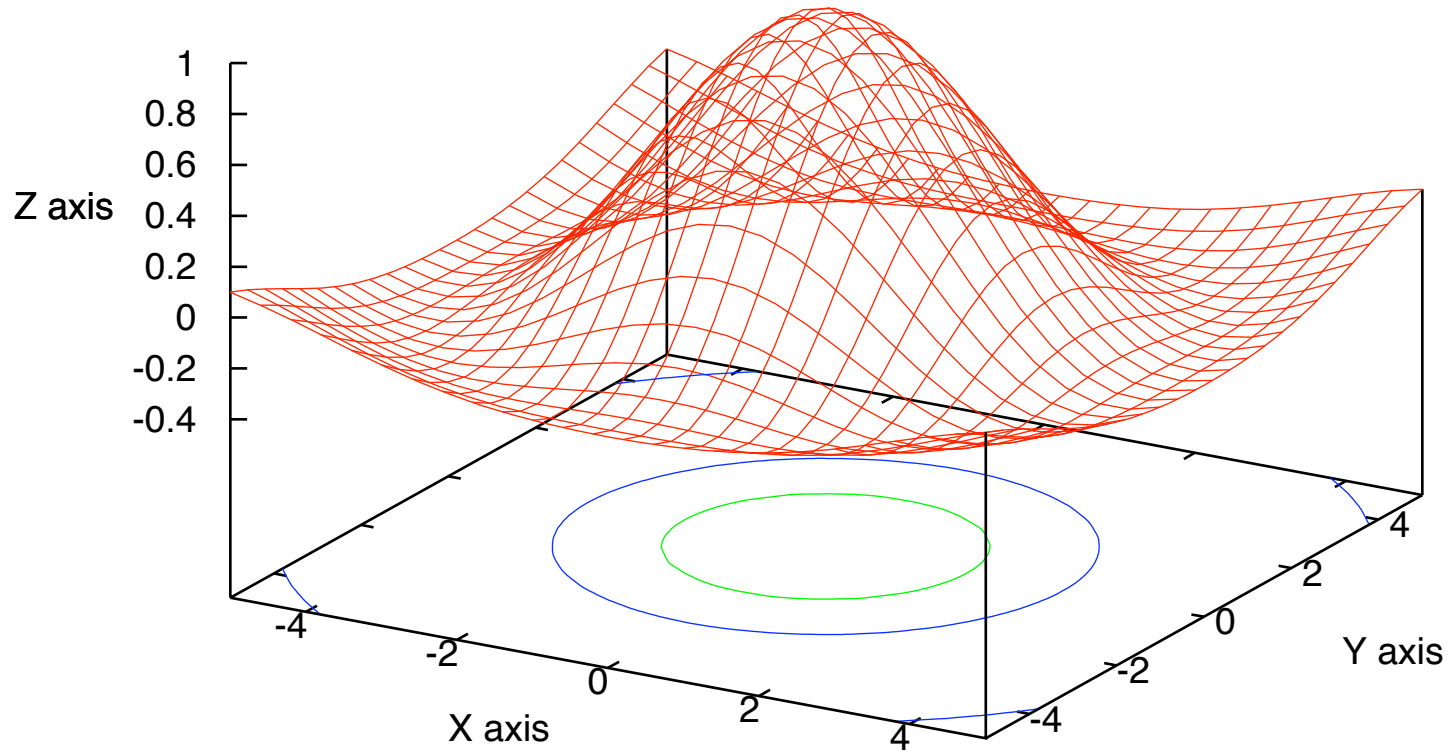


3D gnuplot demo - low resolution (6x6) using bspline approx.

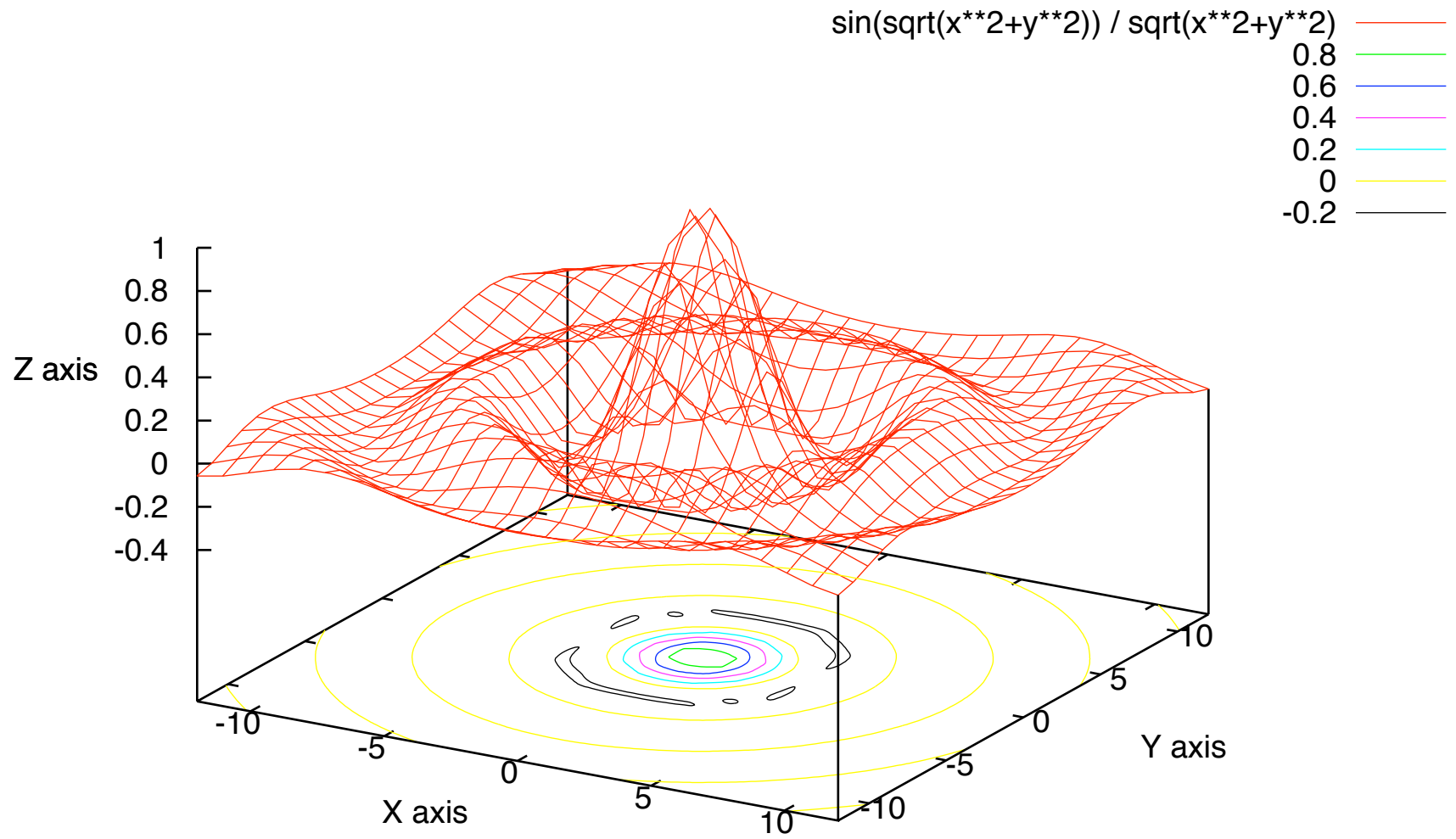


3D gnuplot demo - contour of Sinc function

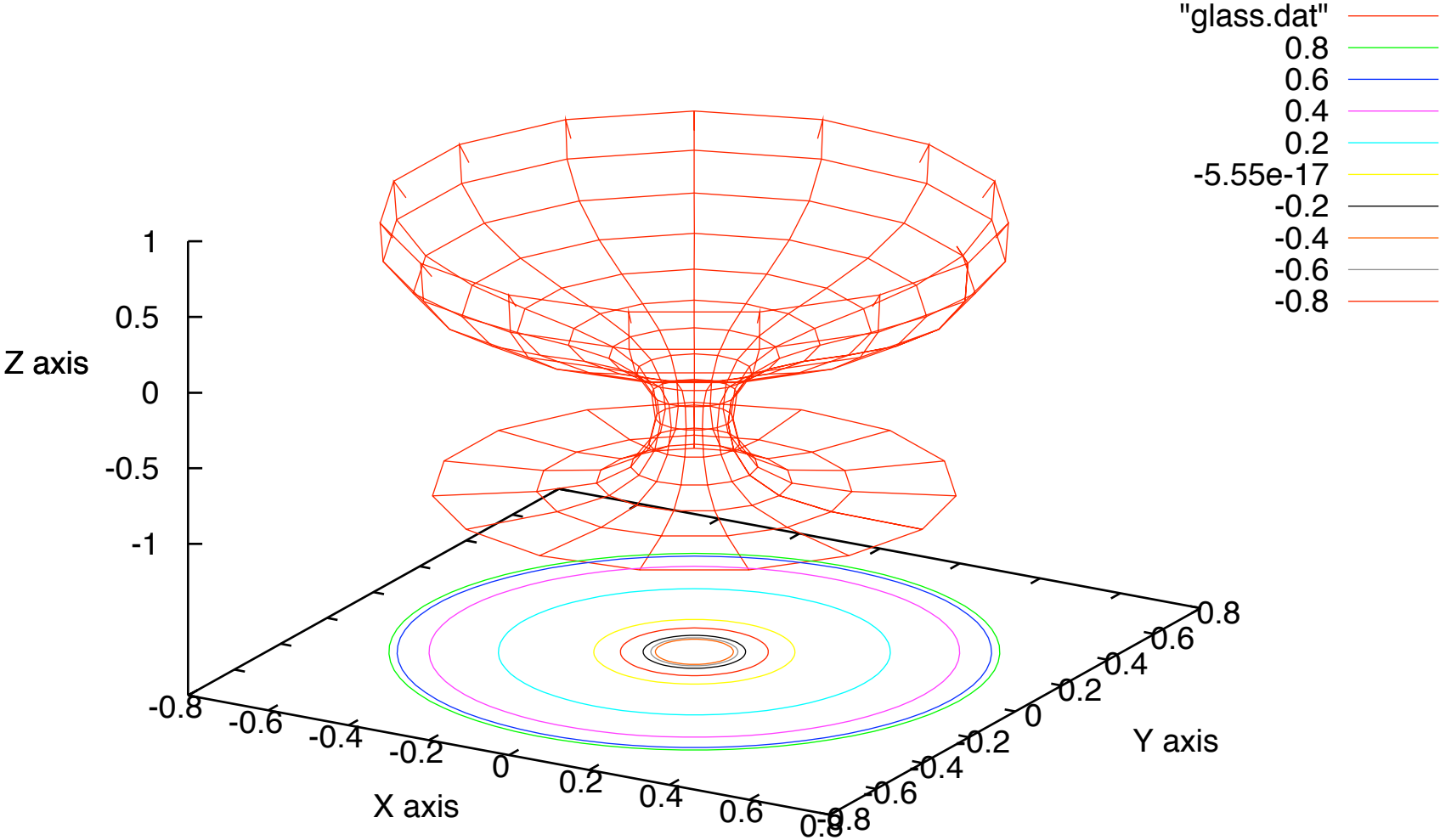
$\frac{\sin(\sqrt{x^2+y^2})}{\sqrt{x^2+y^2}}$ ————
0.5 ————
0 ————



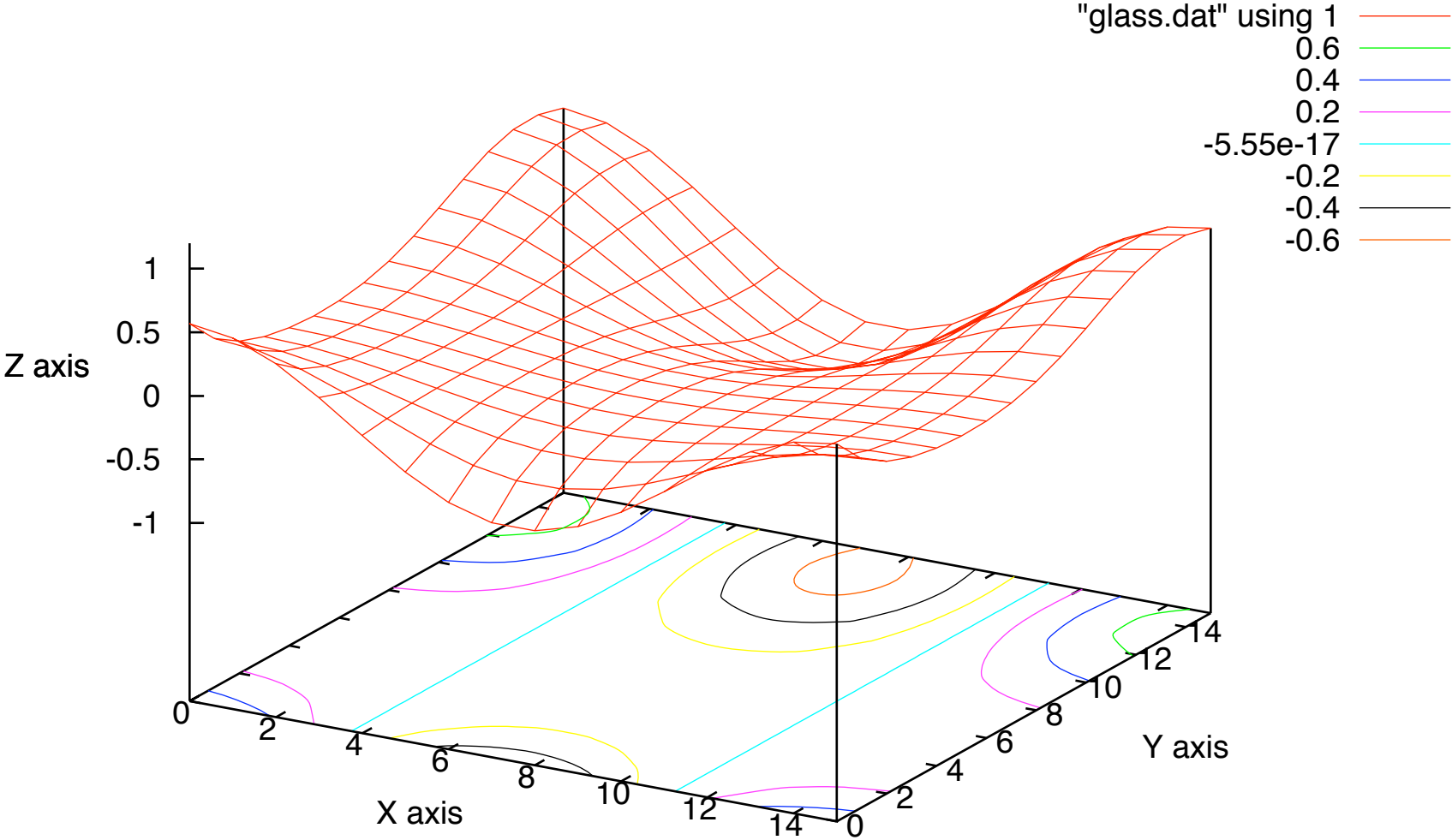
3D gnuplot demo - contour of Sinc function



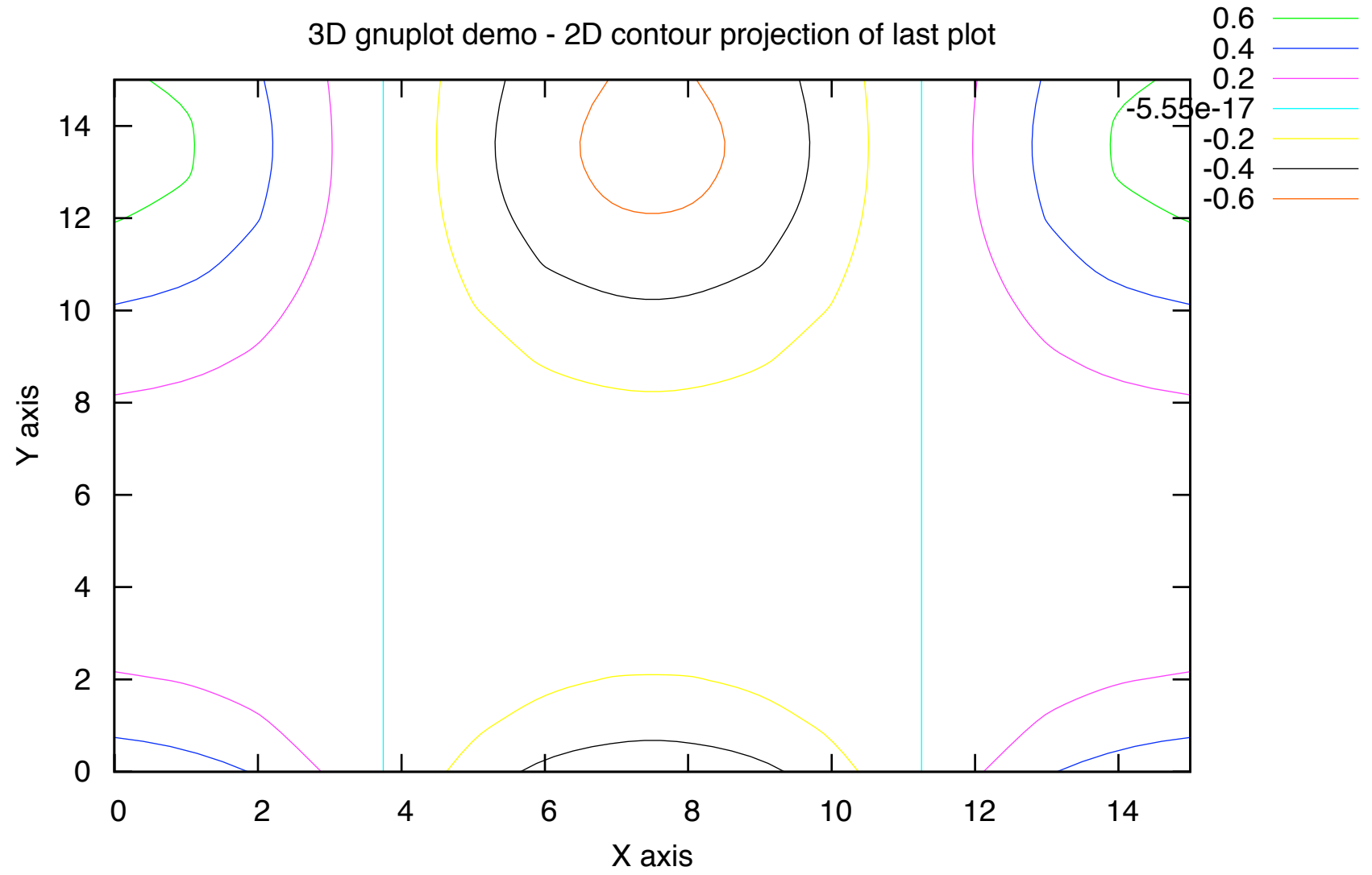
3D gnuplot demo - contour of data grid plotting



3D gnuplot demo - contour of data grid plotting

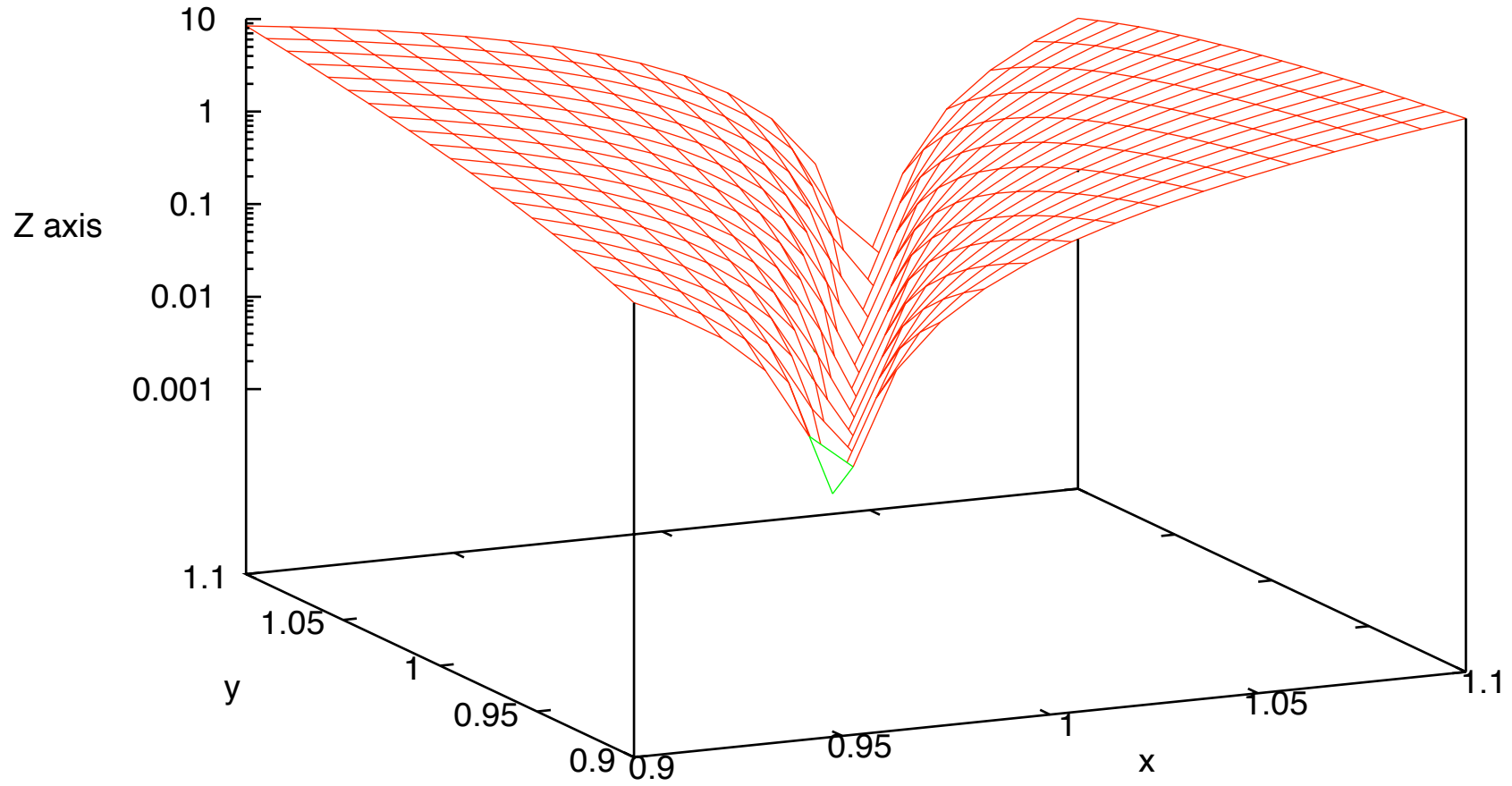


3D gnuplot demo - 2D contour projection of last plot



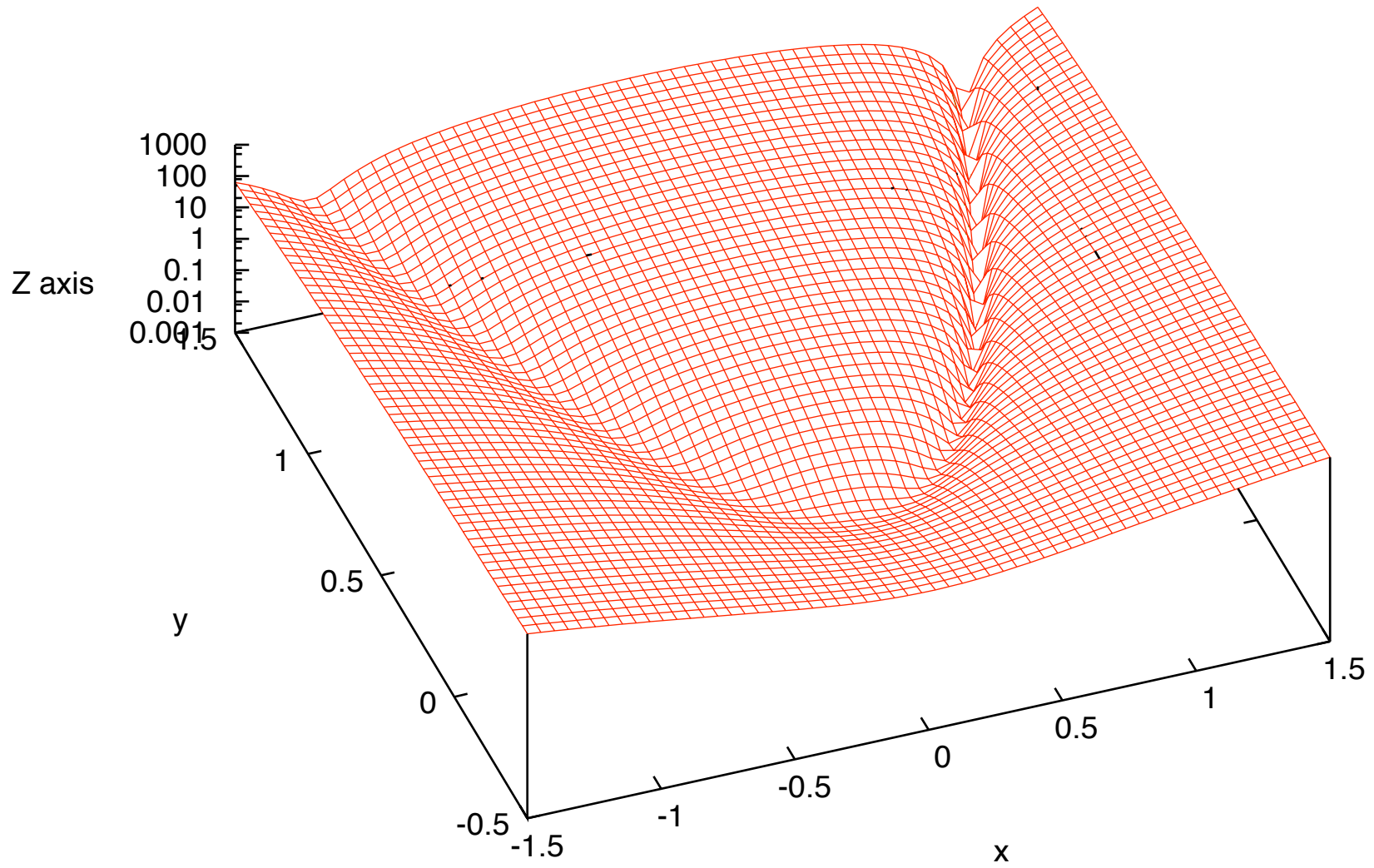
Rosenbrock Function

$$(1-x)^2 + 100(y - x^2)^2$$

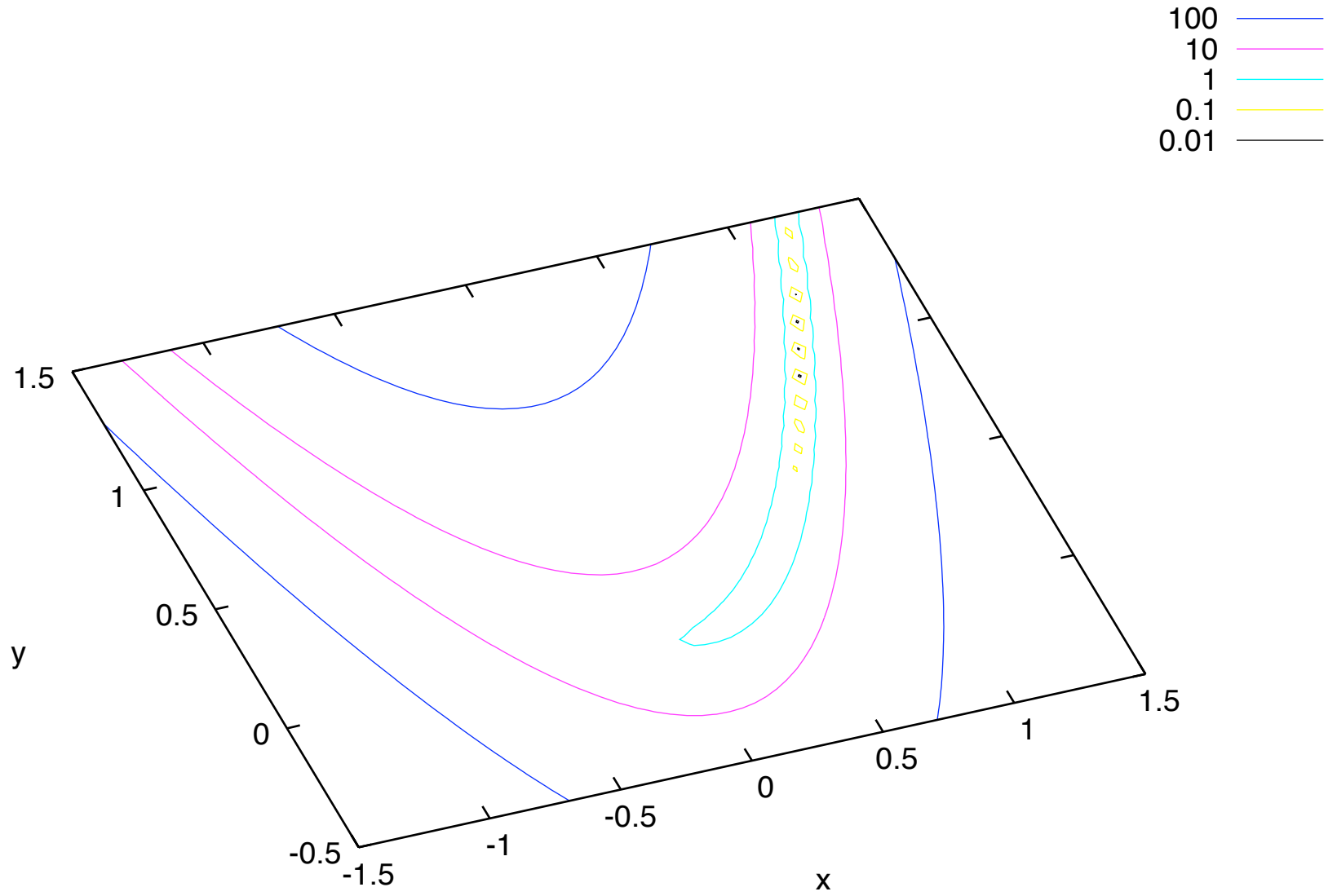


Rosenbrock Function

$$(1-x)^2 + 100(y - x^2)^2$$

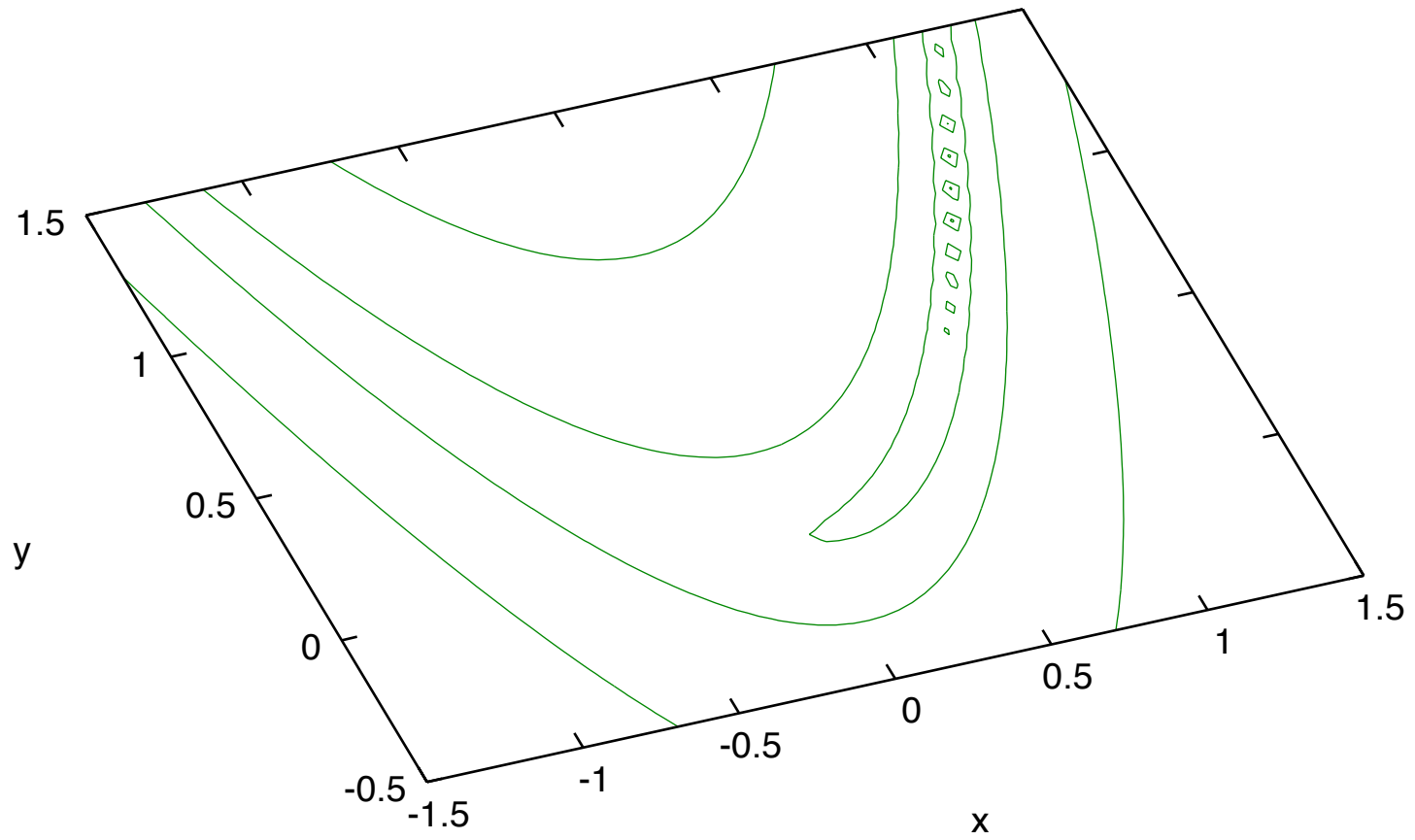


Rosenbrock Function

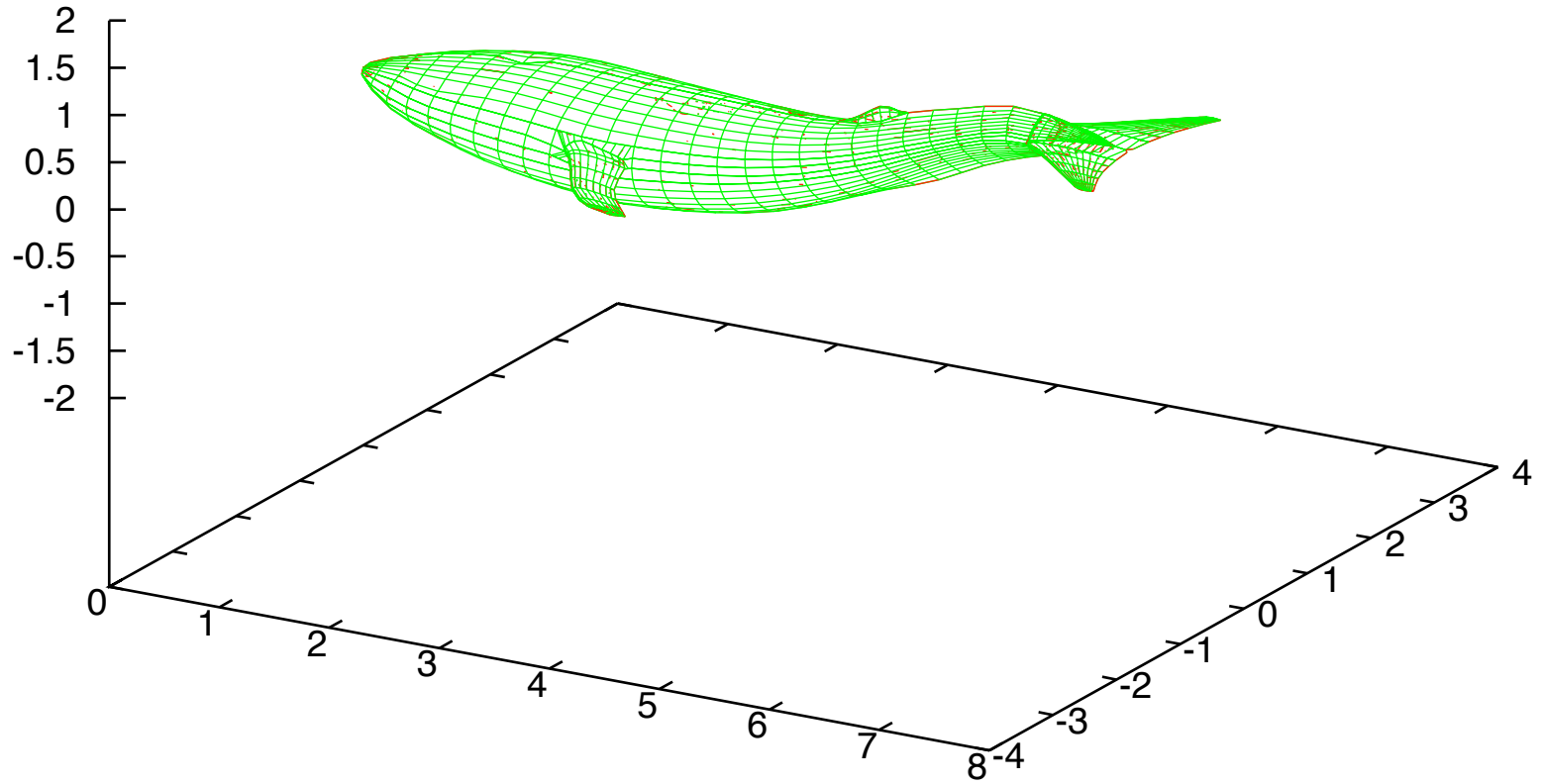


All contours drawn in a single color

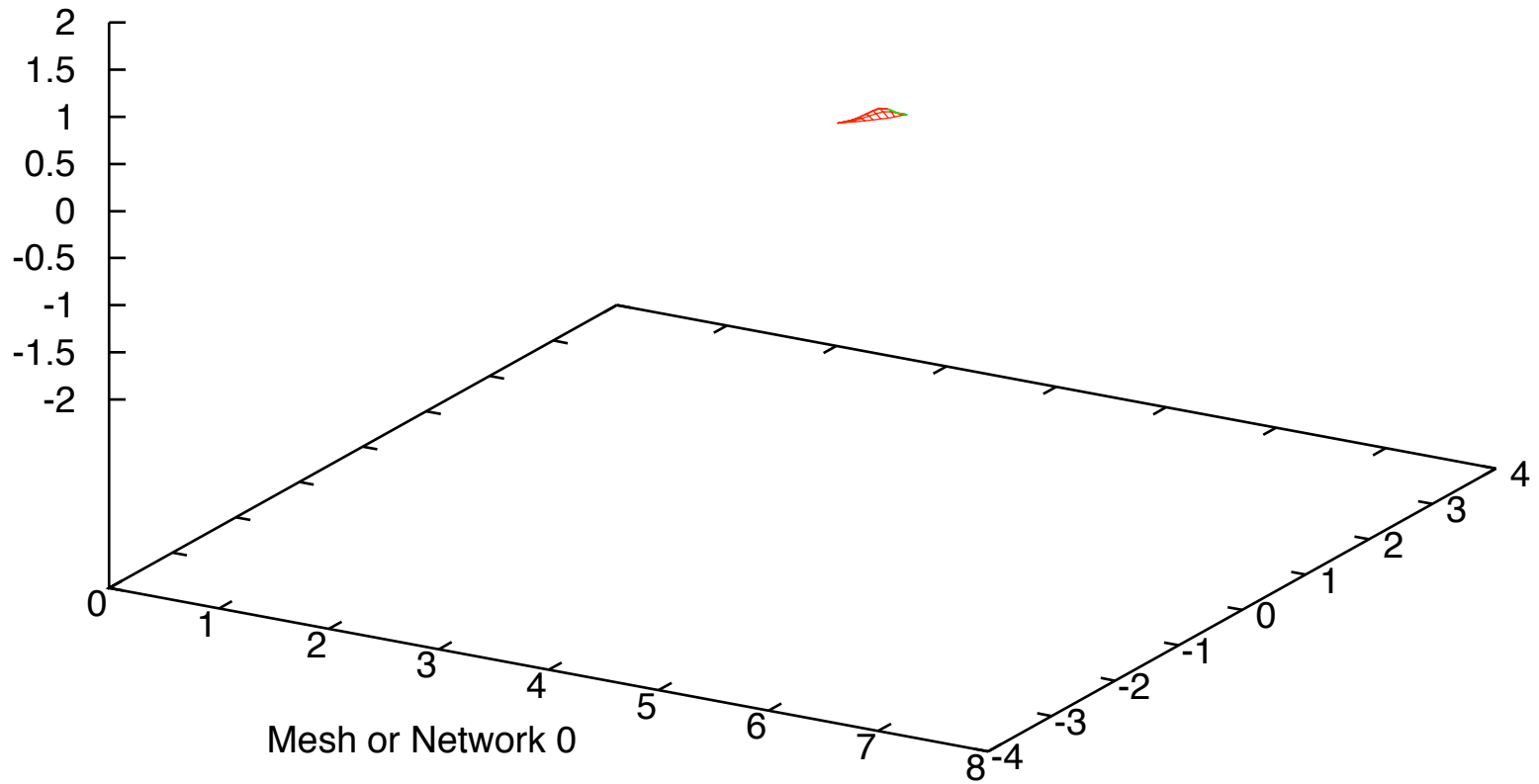
$$(1-x)^{**2} + 100*(y - x^{**2})^{**2} \text{ ———}$$



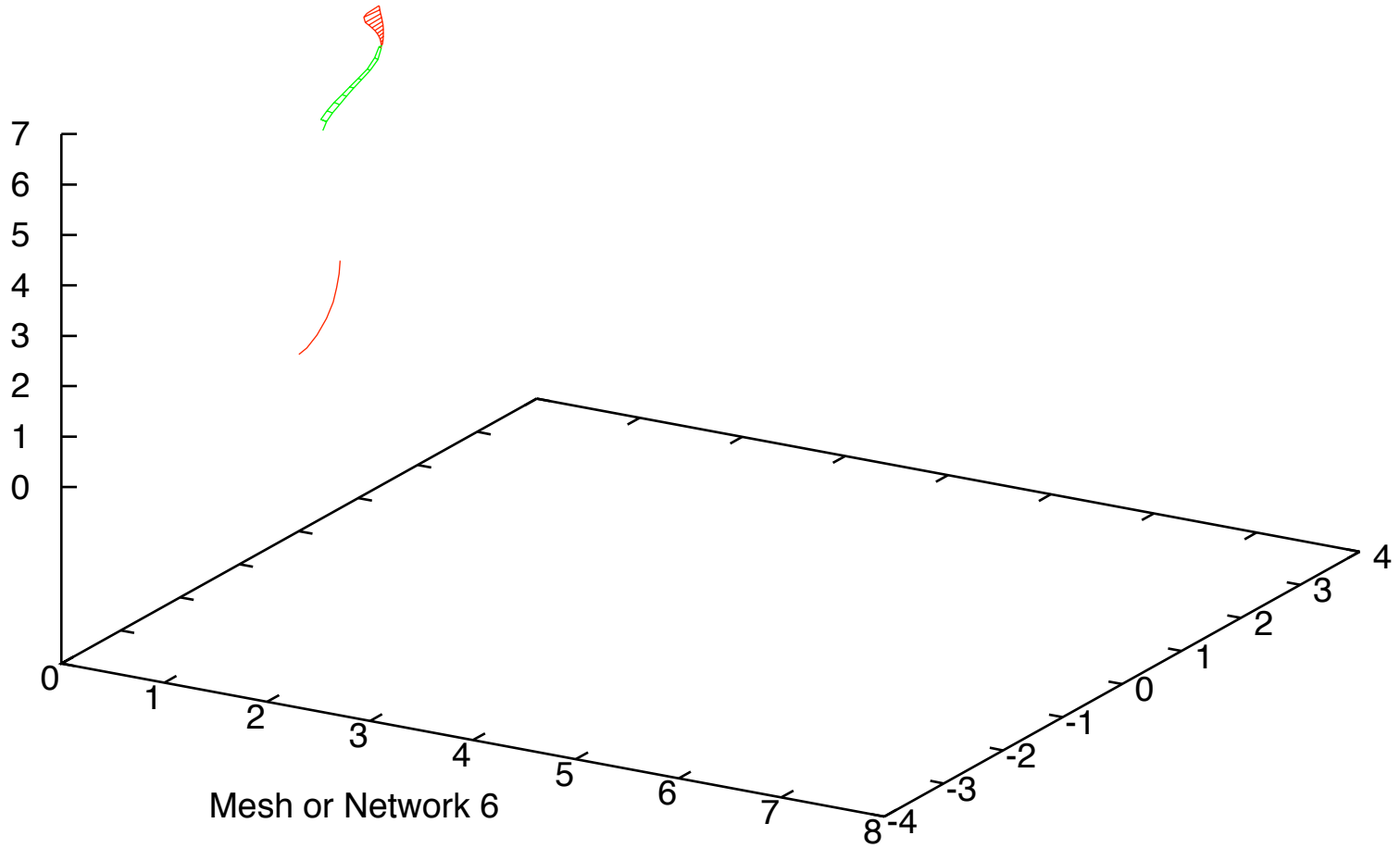
Demo of multiple mesh per file capability - Digitized Blue Whale



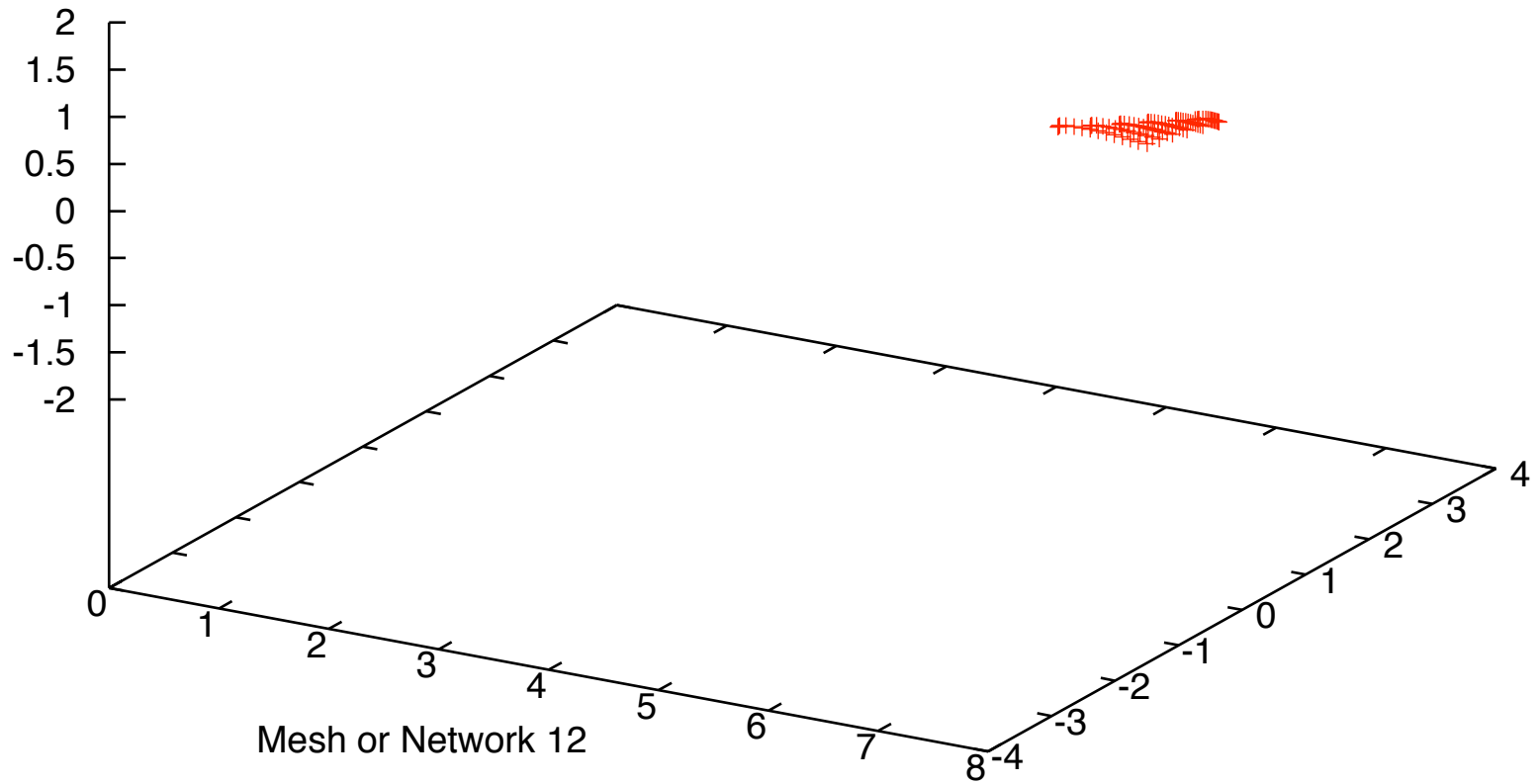
Demo of multiple mesh per file capability - Digitized Blue Whale



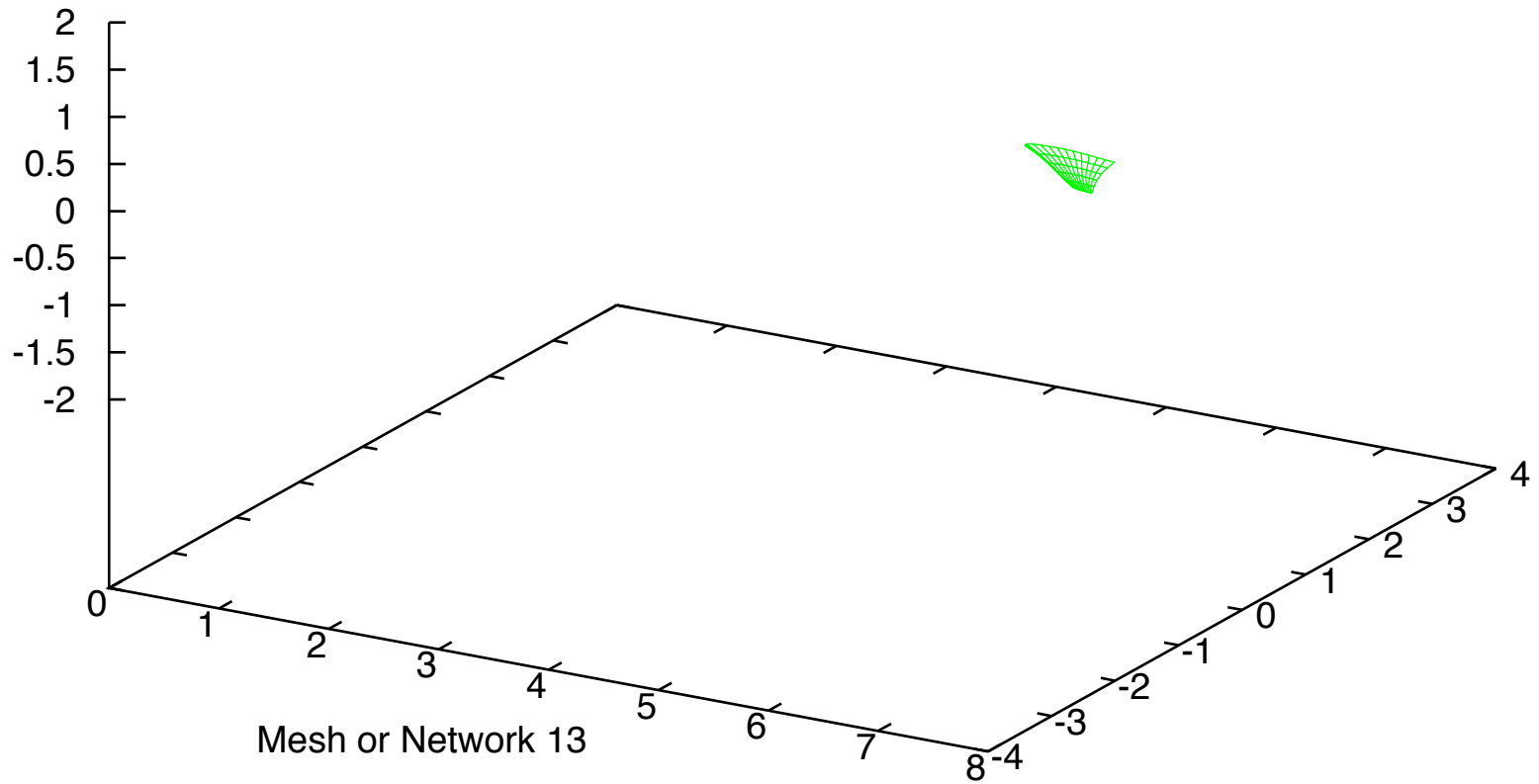
Demo of multiple mesh per file capability - Digitized Blue Whale



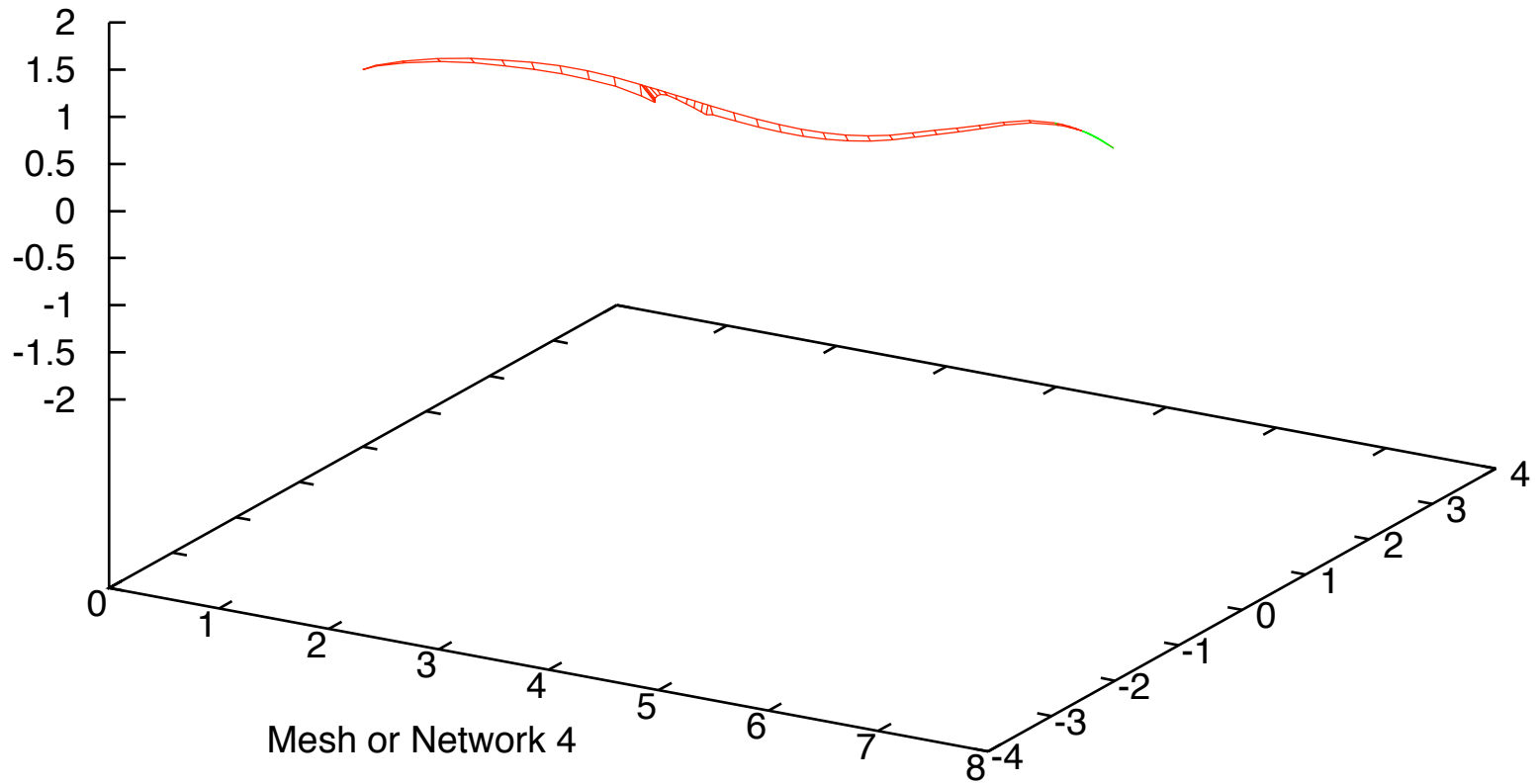
Demo of multiple mesh per file capability - Digitized Blue Whale



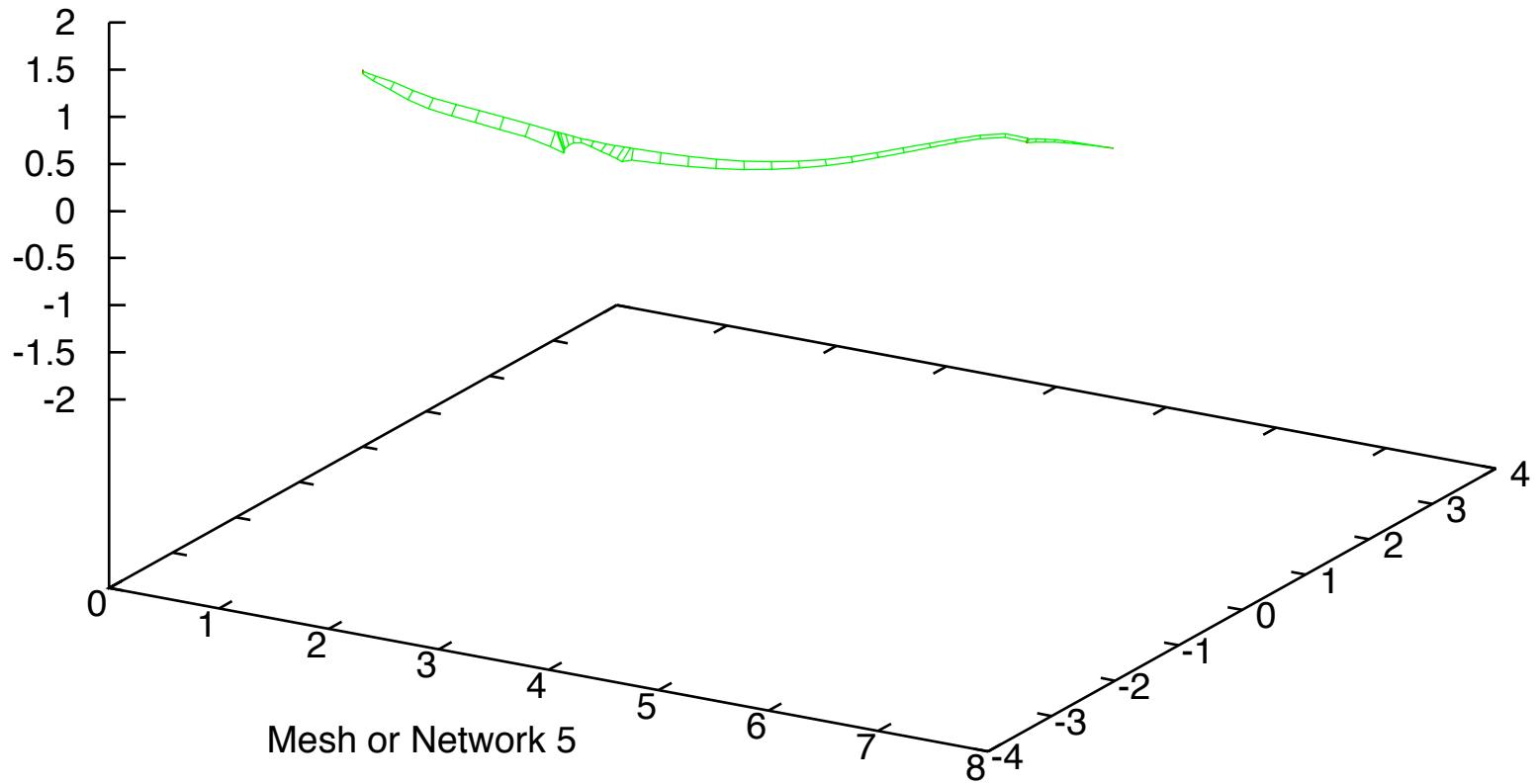
Demo of multiple mesh per file capability - Digitized Blue Whale



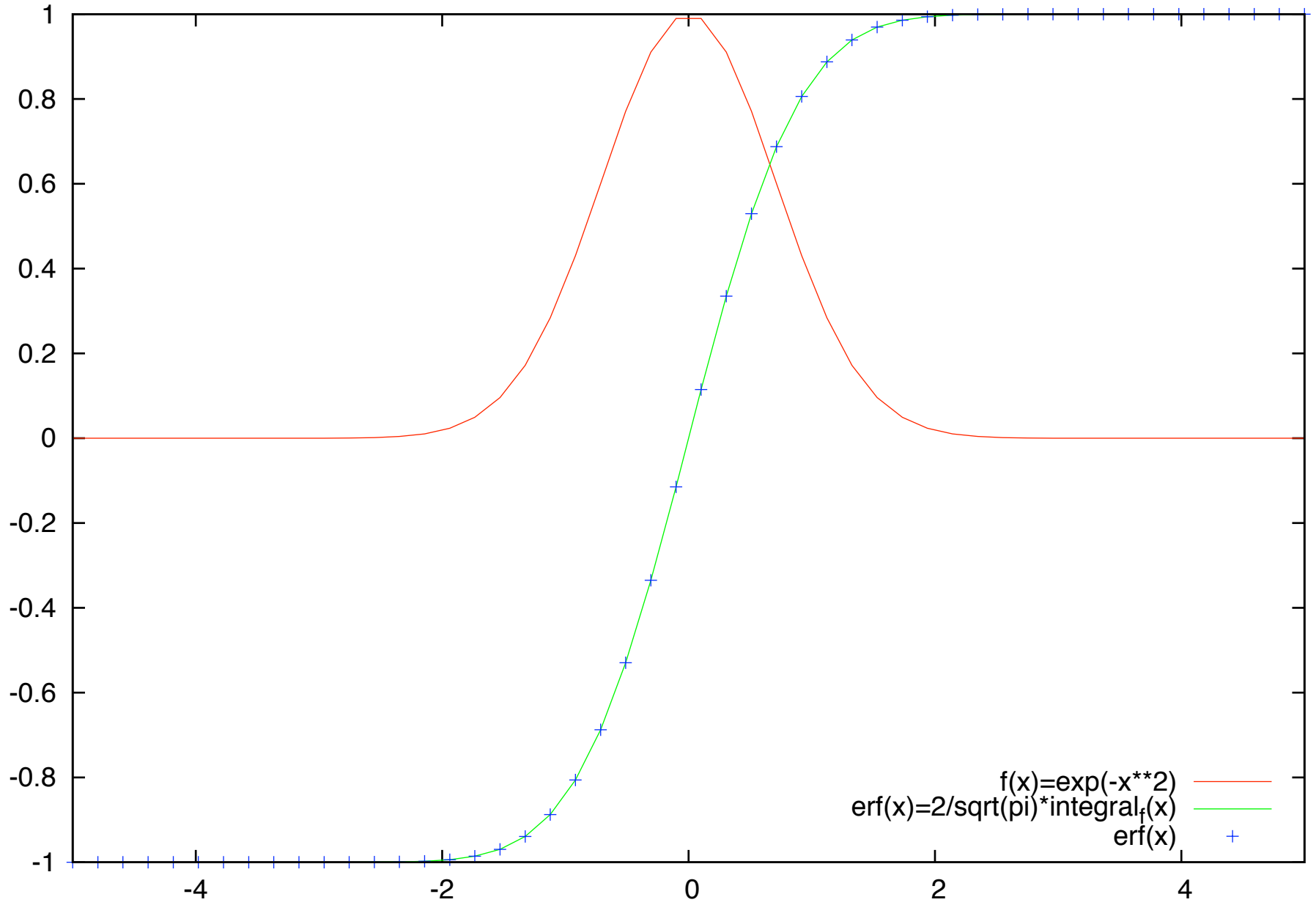
Demo of multiple mesh per file capability - Digitized Blue Whale



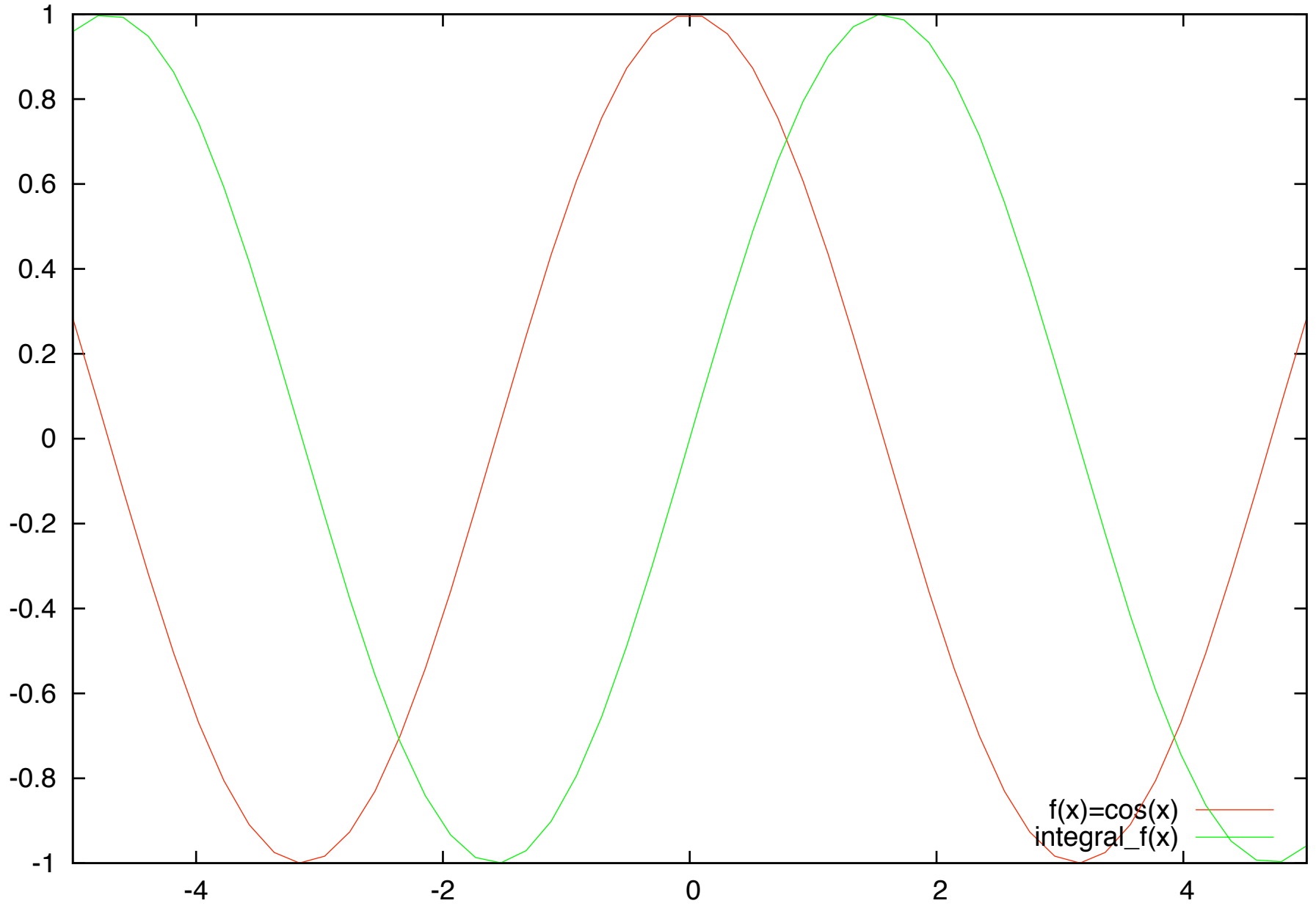
Demo of multiple mesh per file capability - Digitized Blue Whale



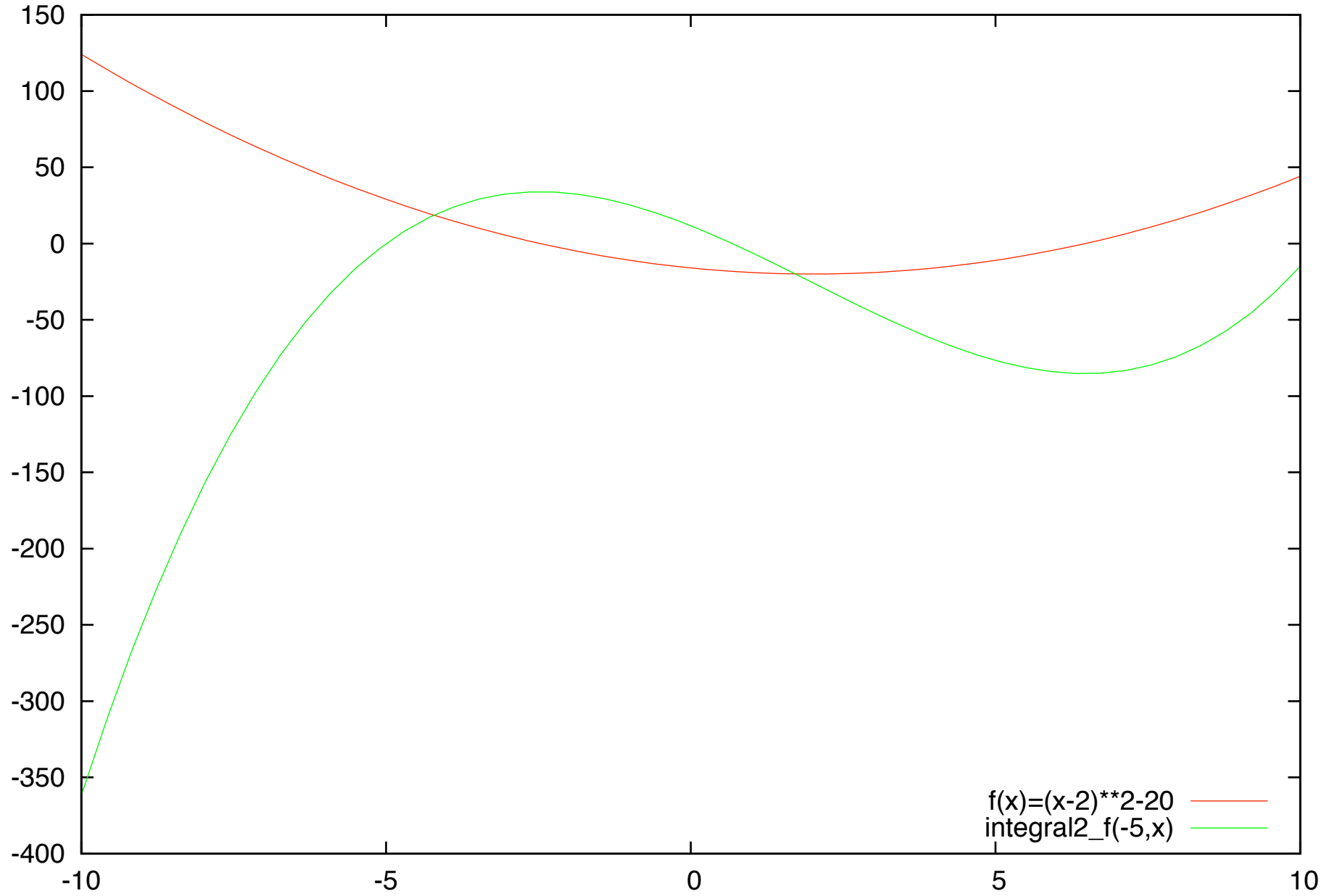
approximate the integral of functions



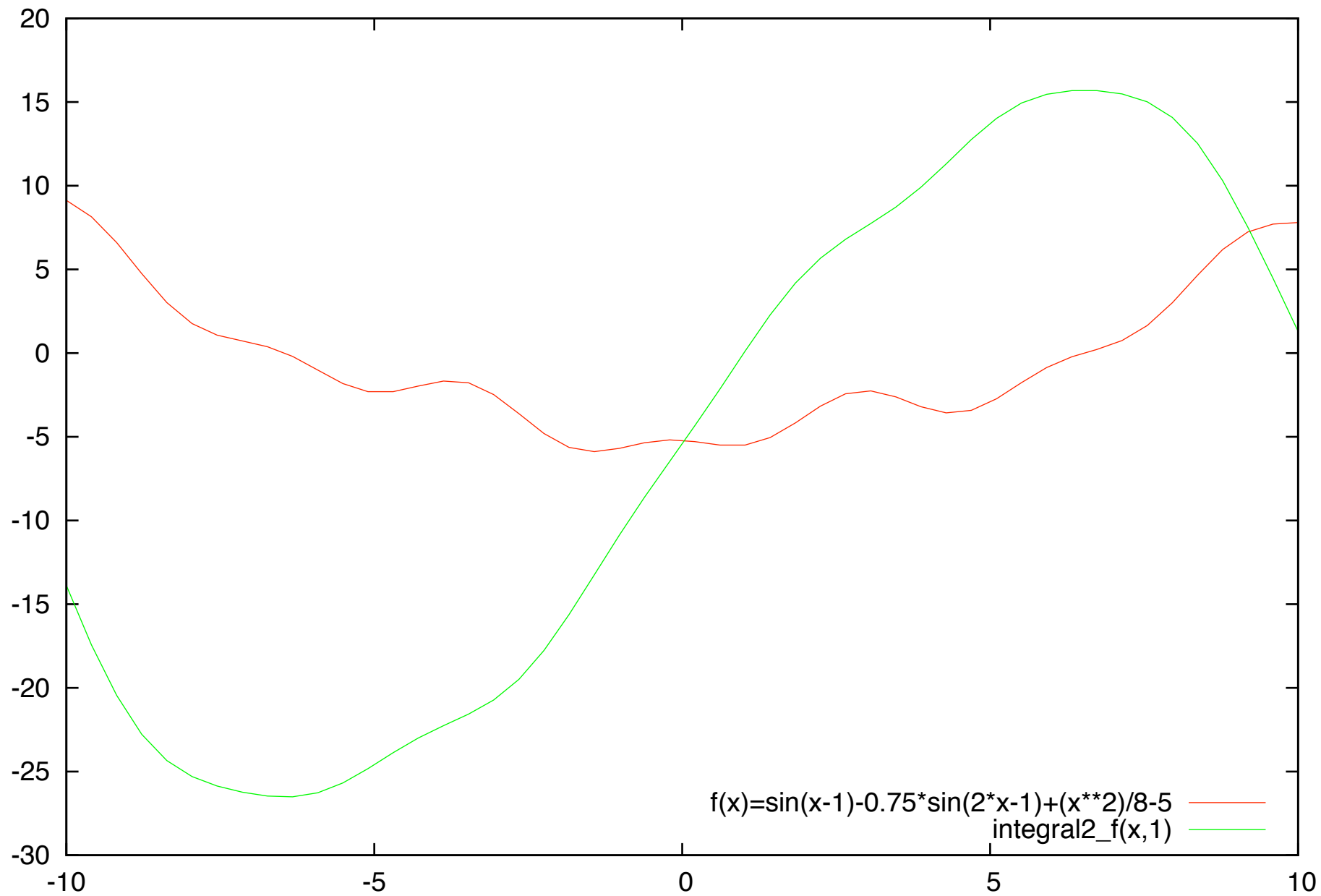
approximate the integral of functions



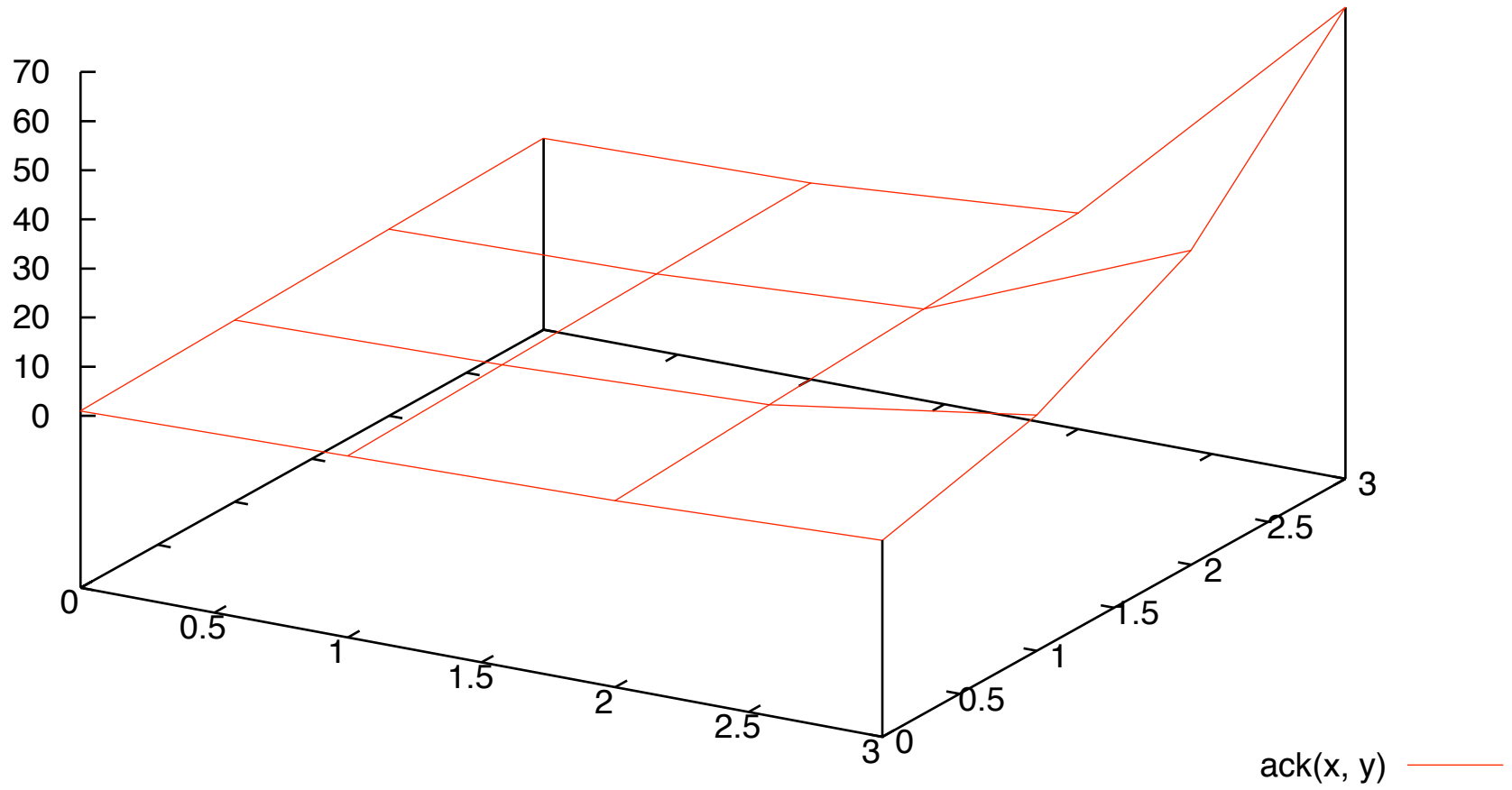
approximate the integral of functions (upper and lower limits)



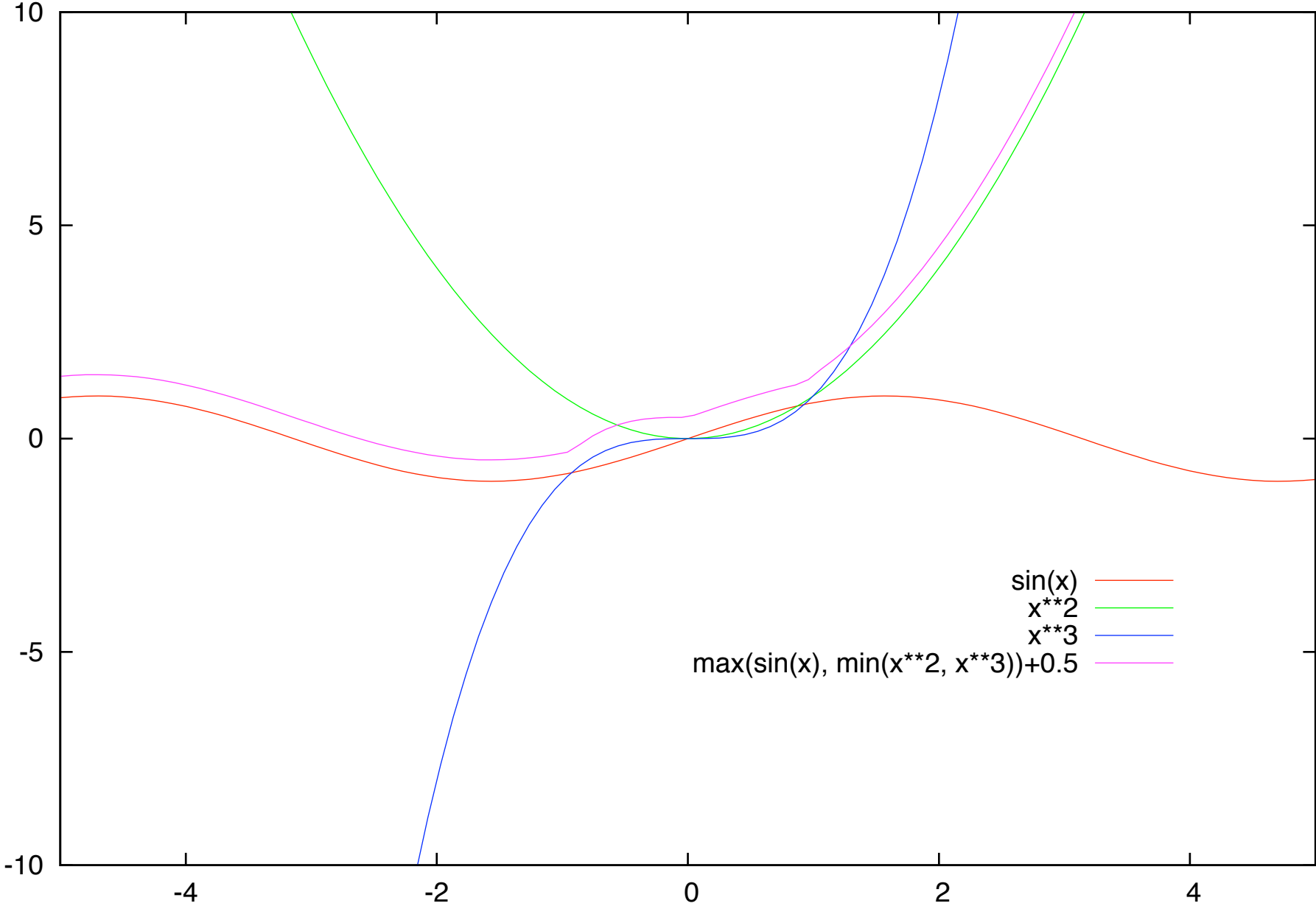
approximate the integral of functions (upper and lower limits)



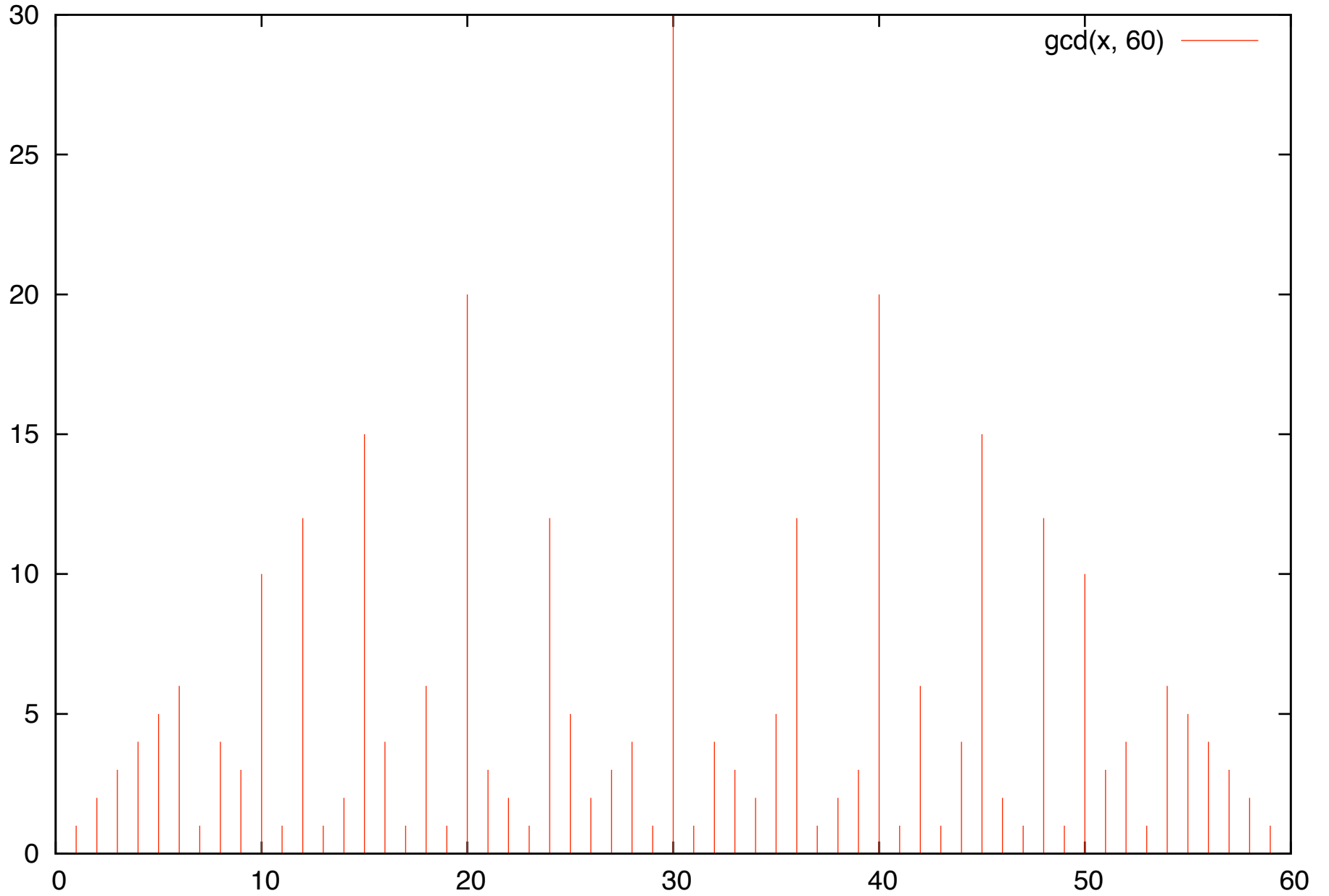
Plot of the ackermann function



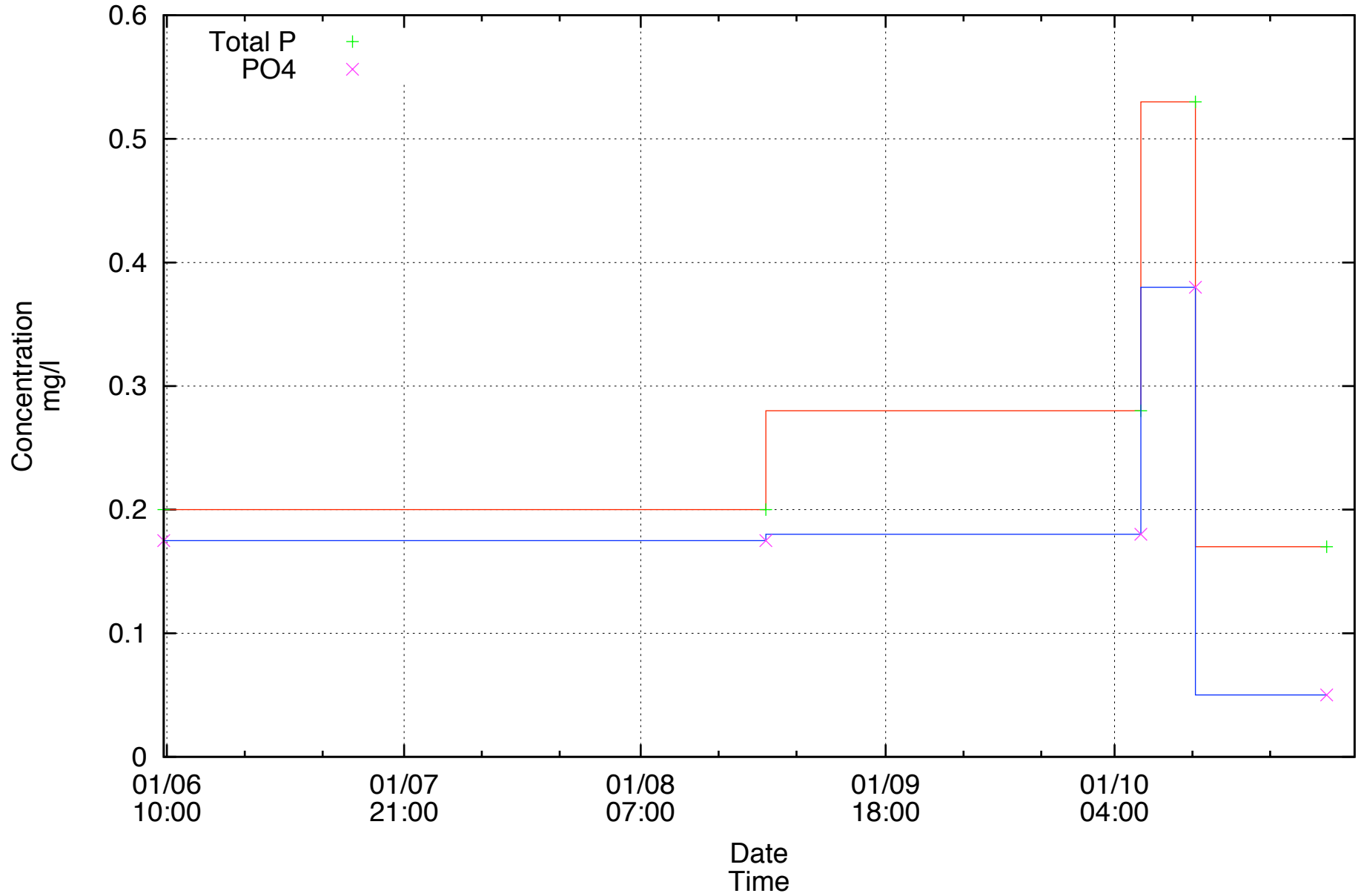
Min(x,y) and Max(x,y)

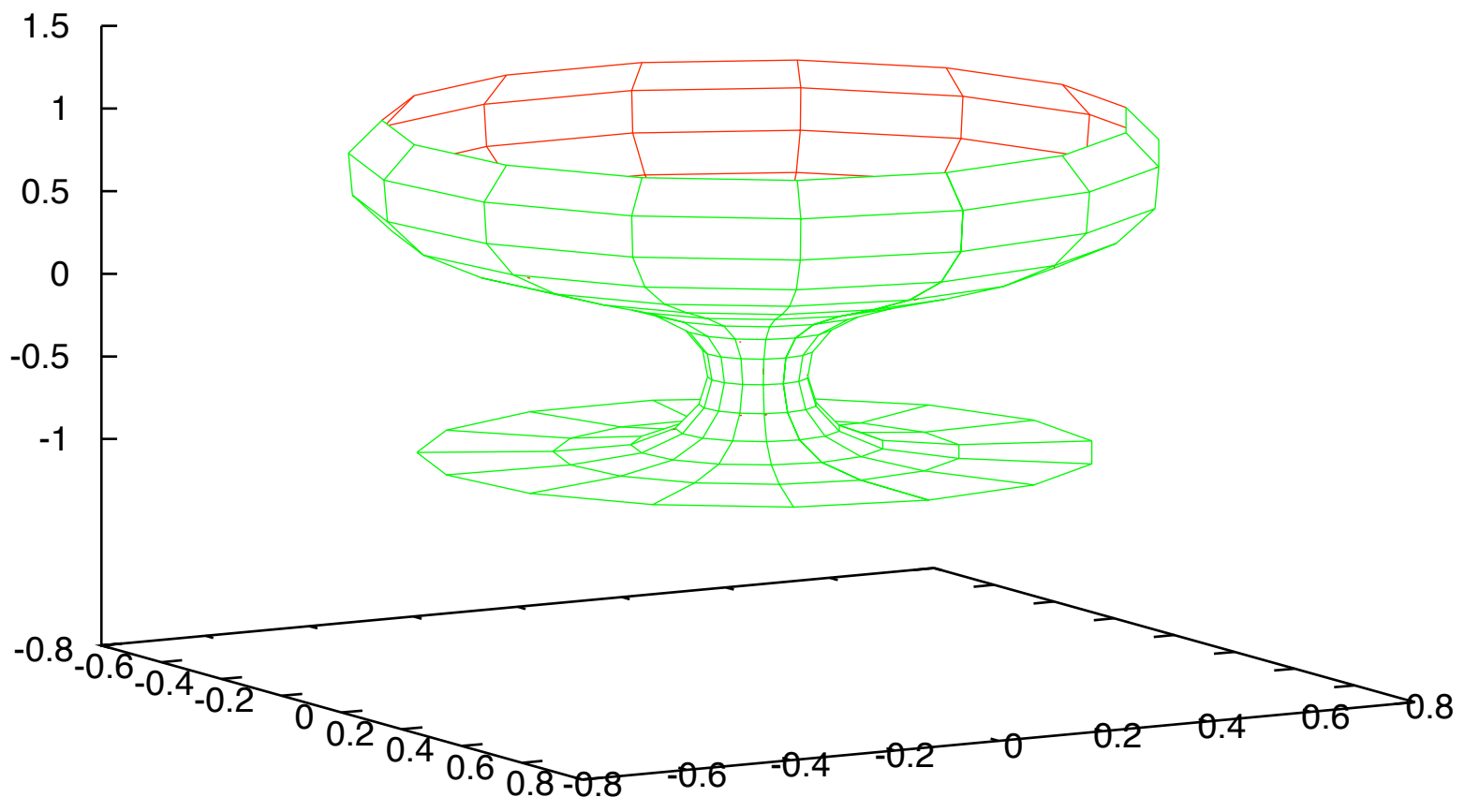


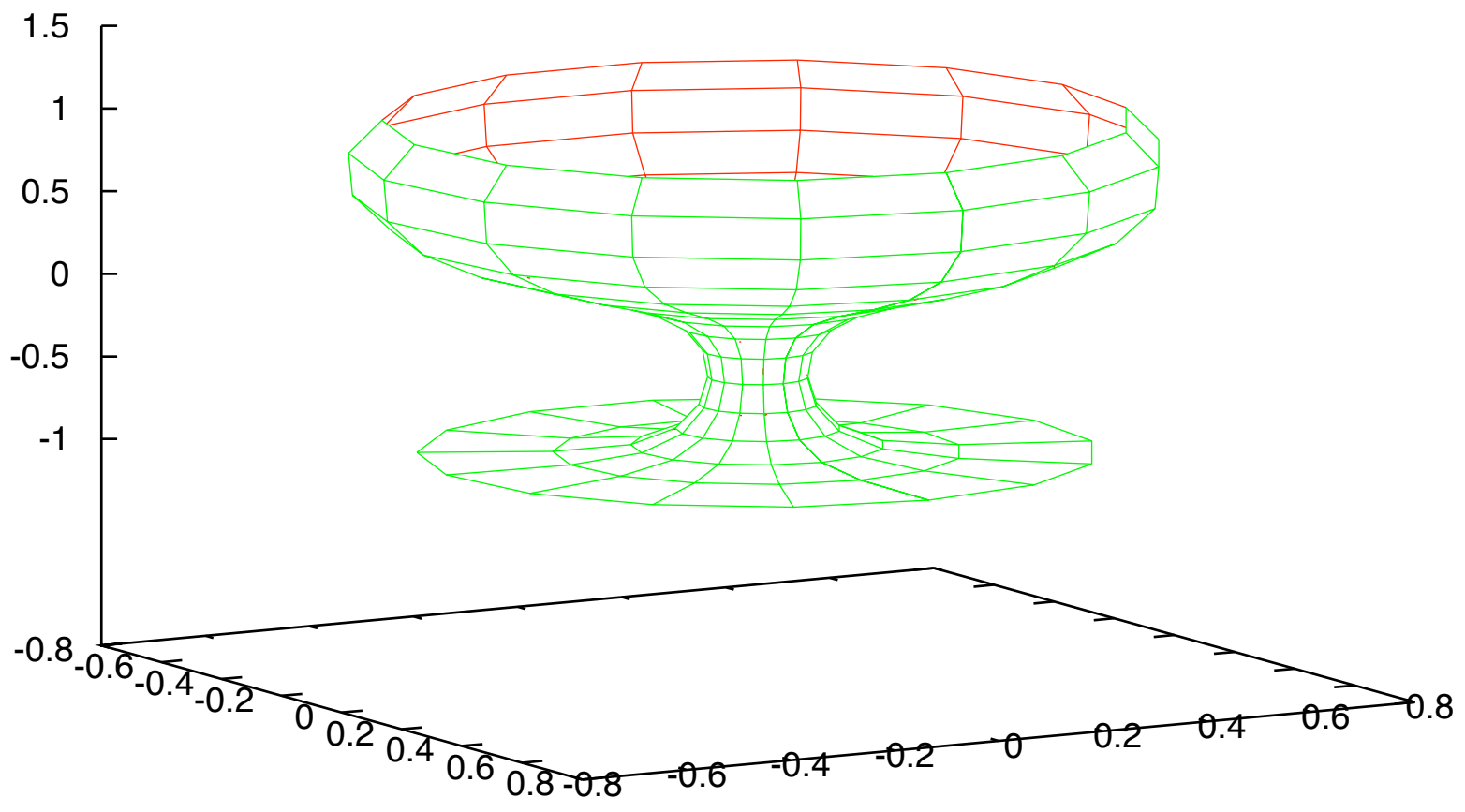
Greatest Common Divisor (for integers only)

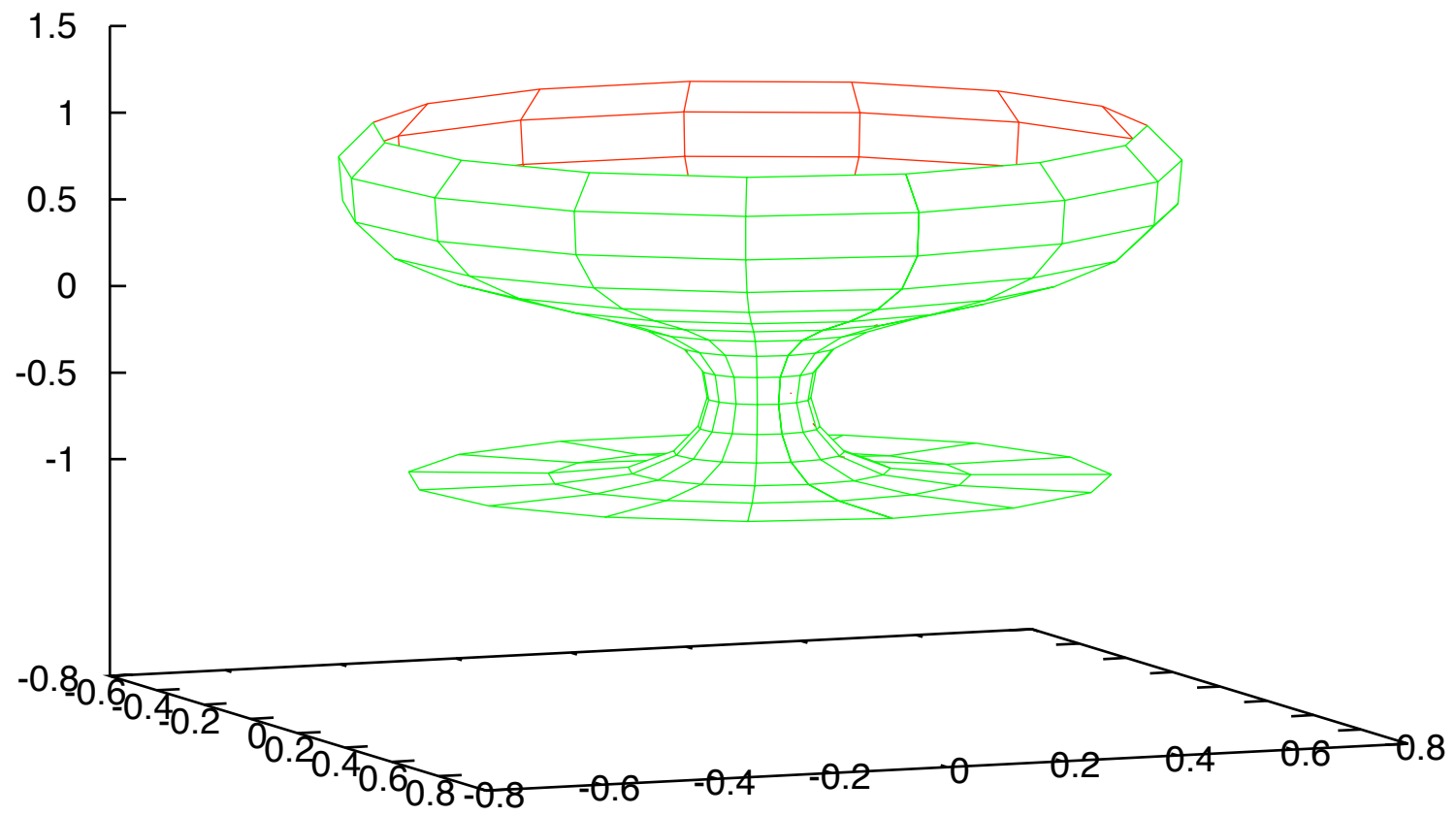


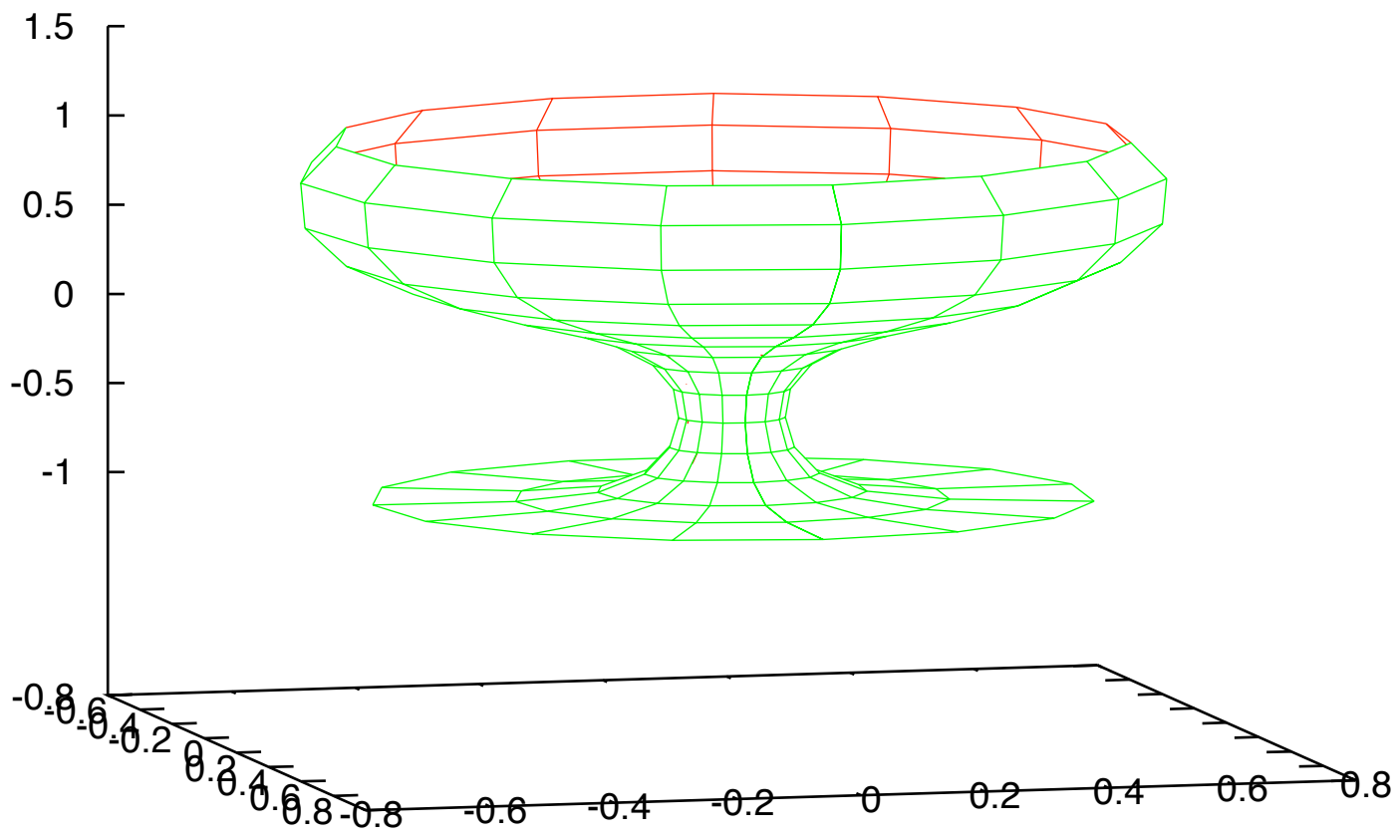
Fsteps plot
with date and time as x-values

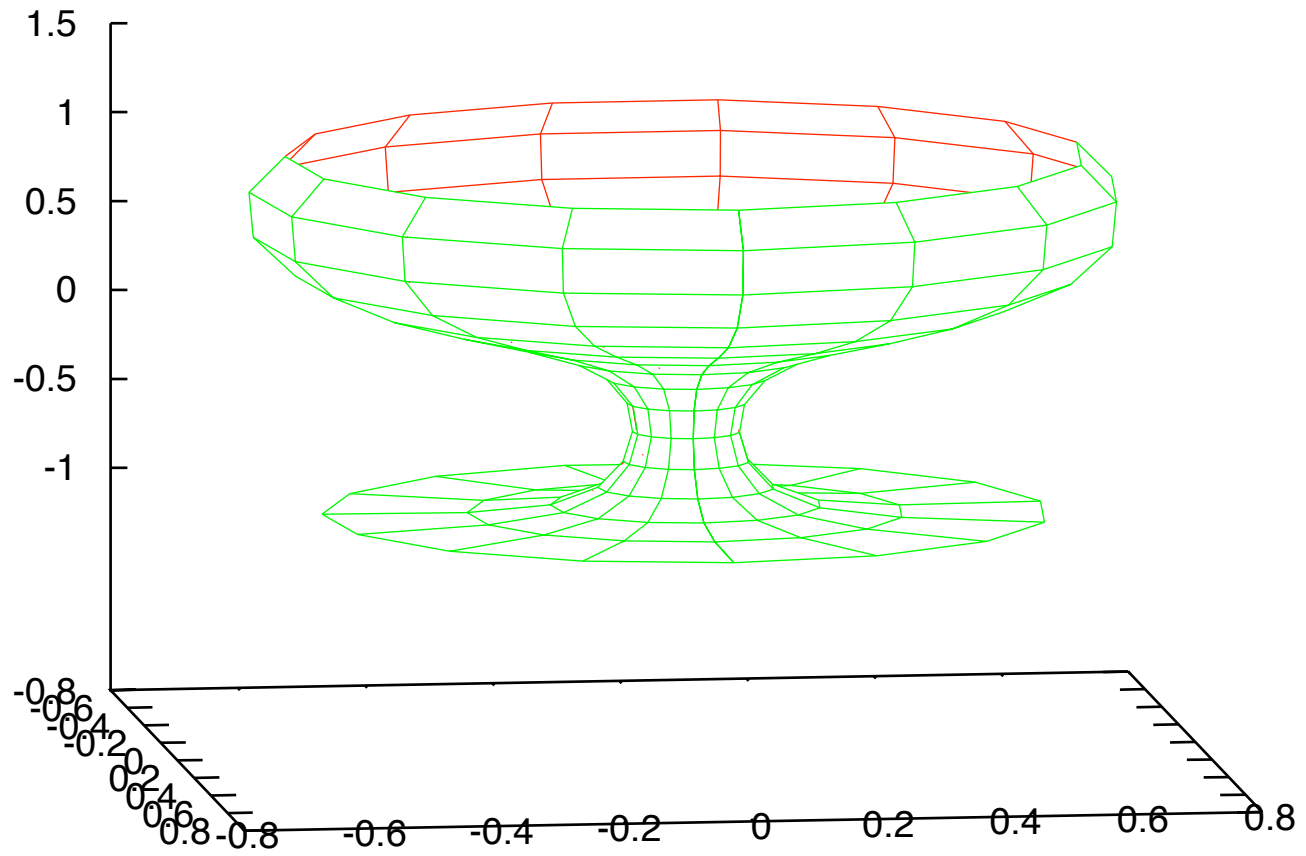


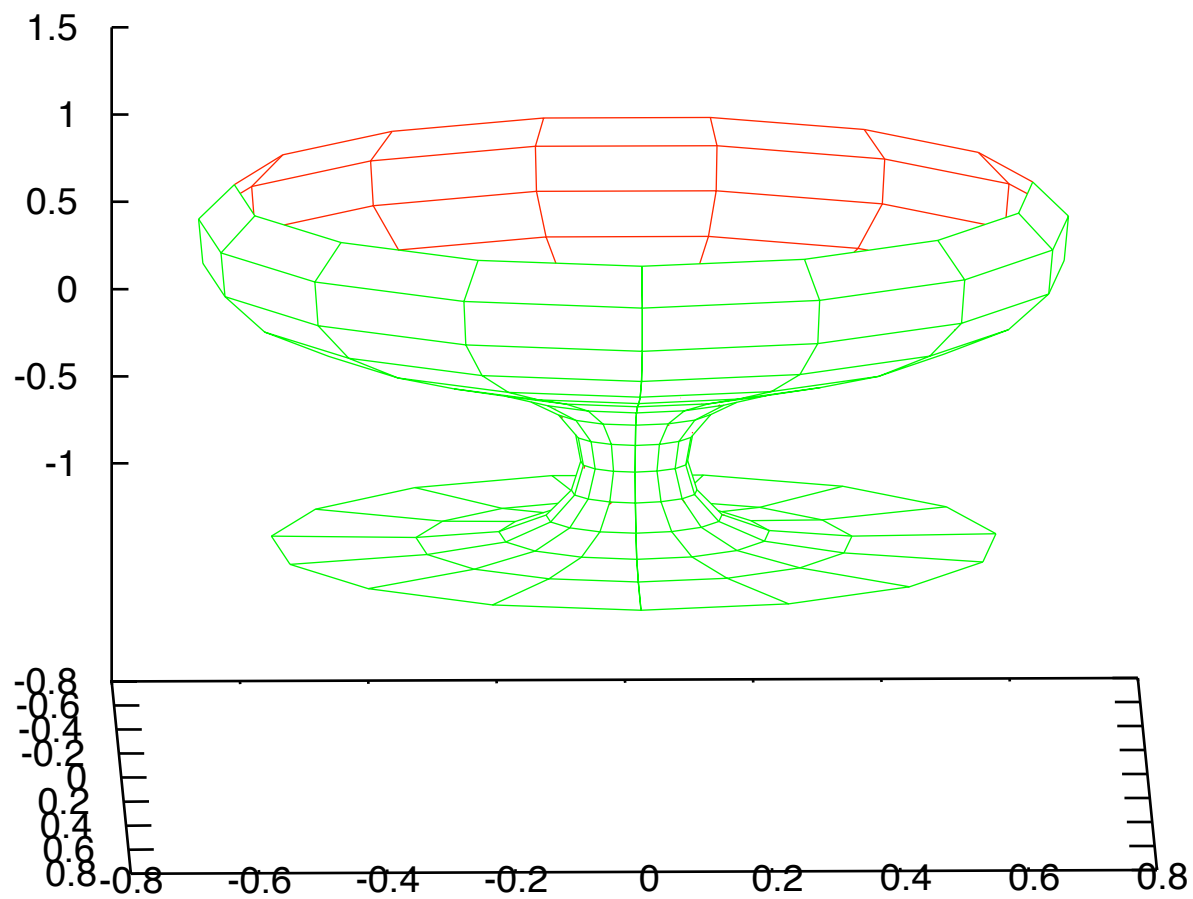


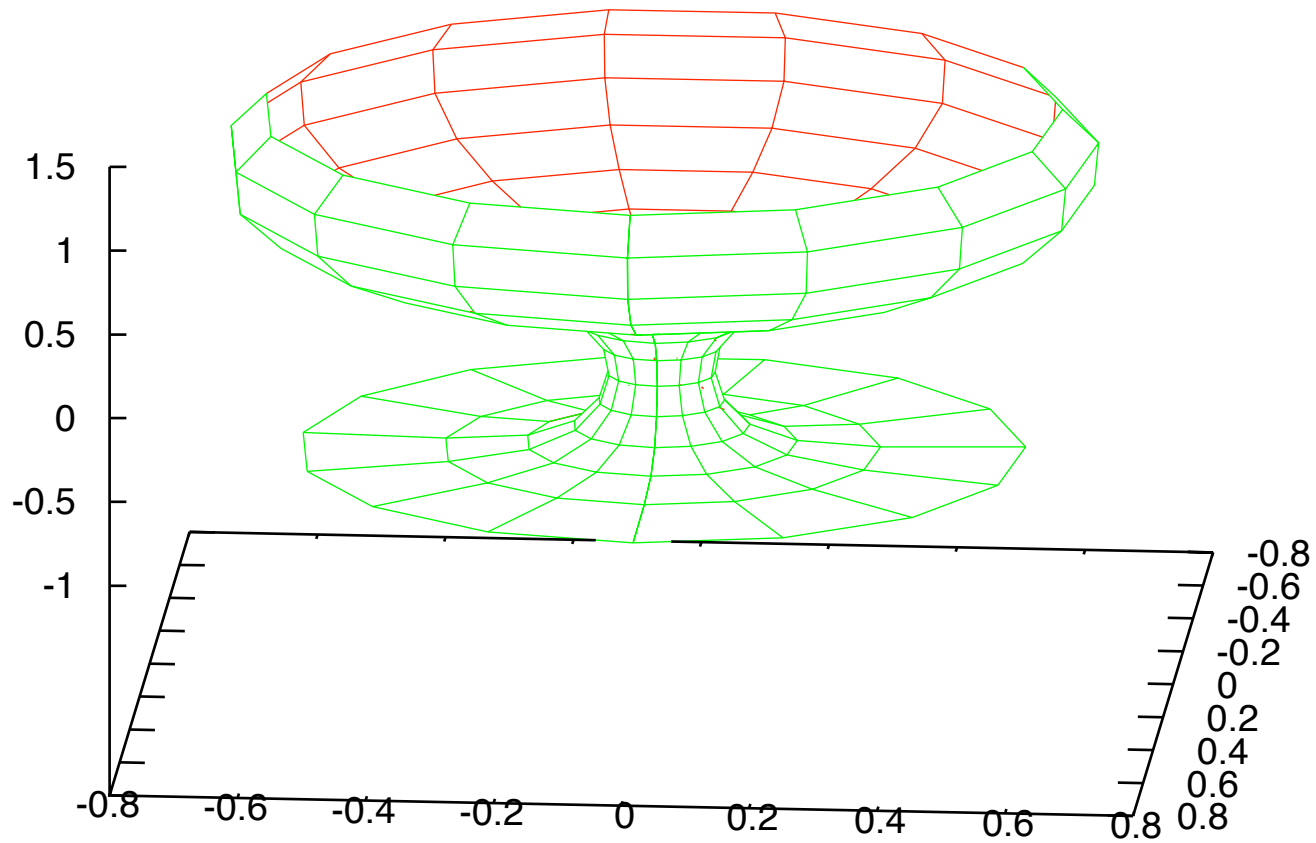


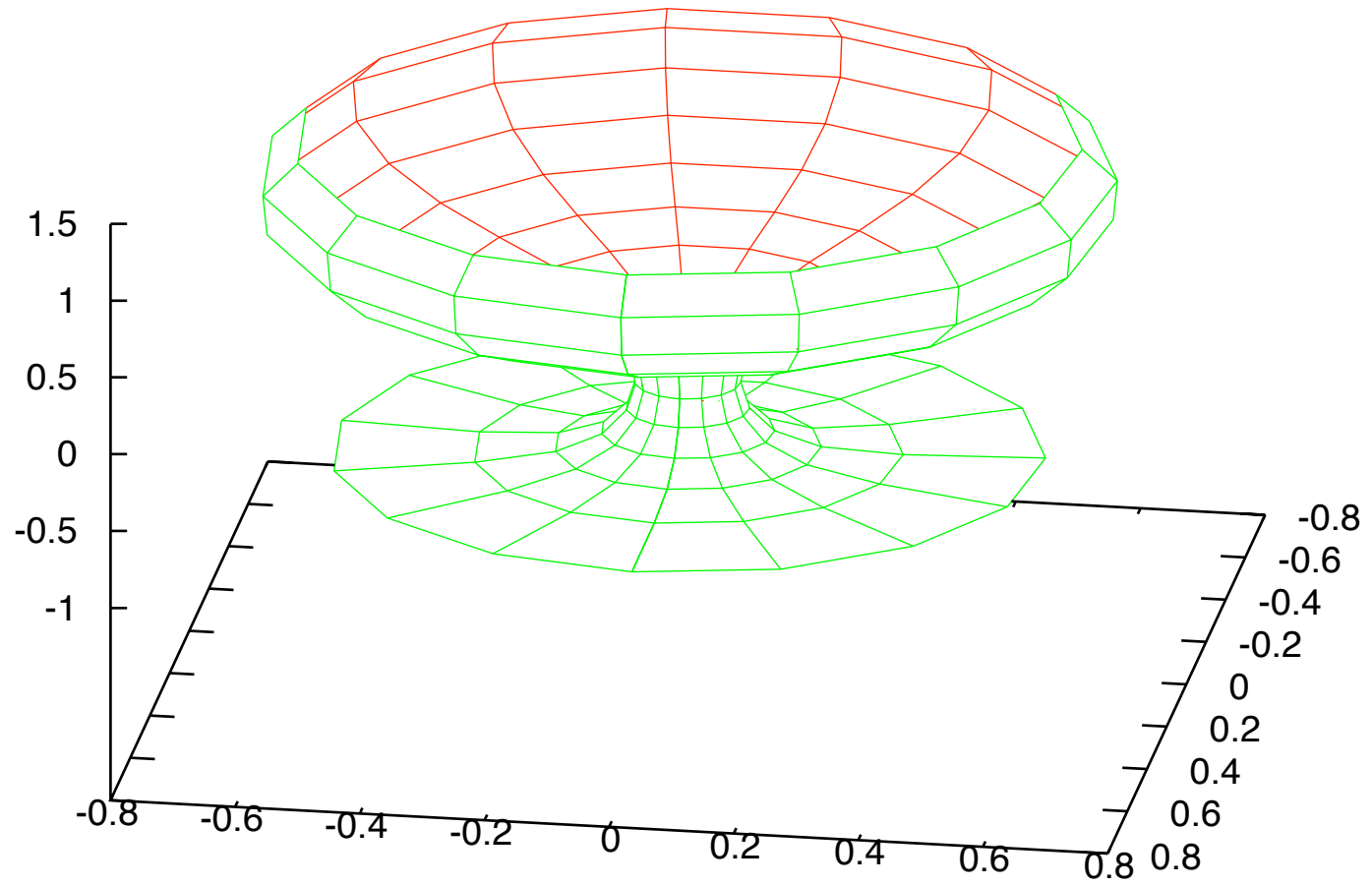


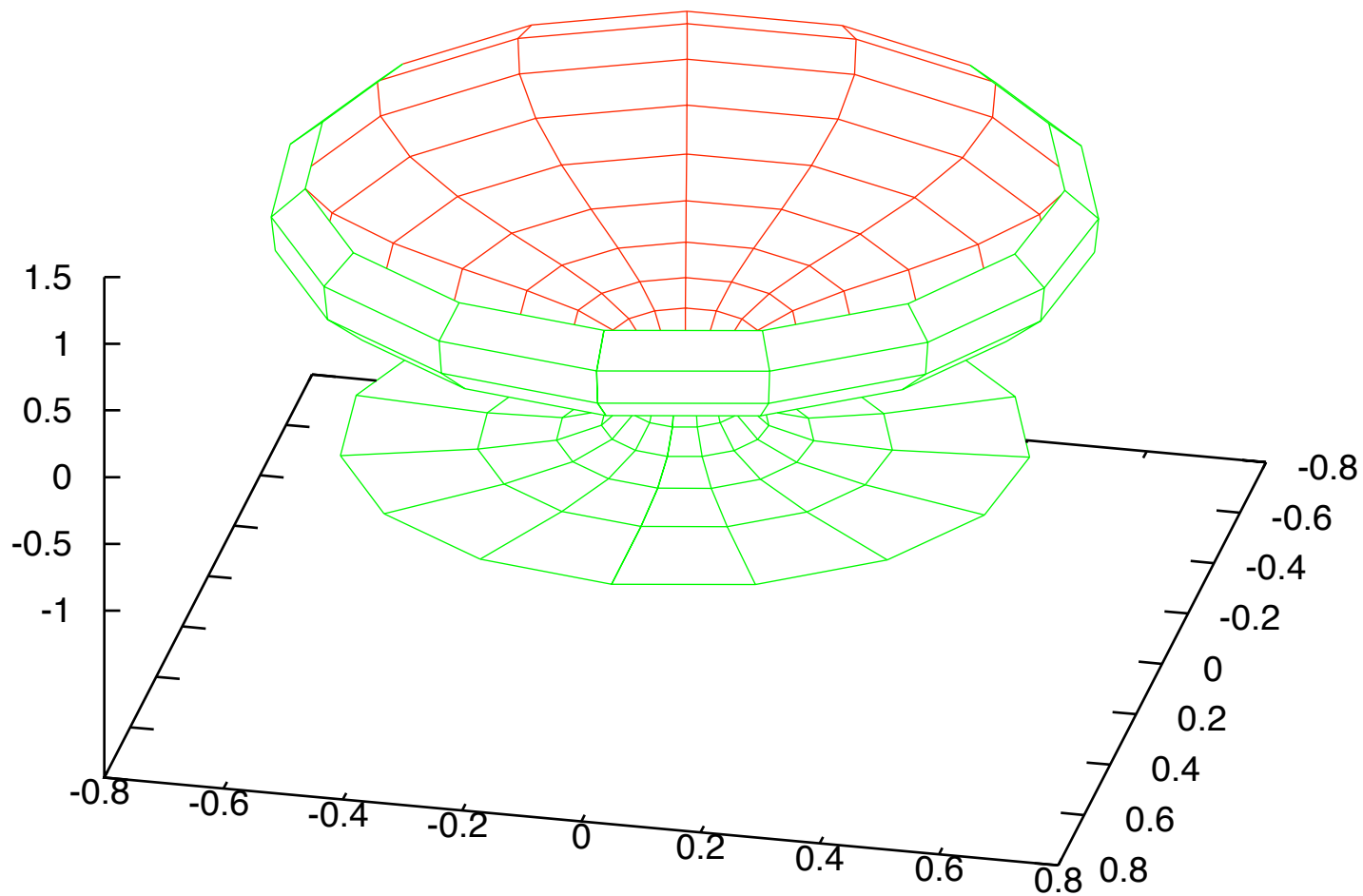


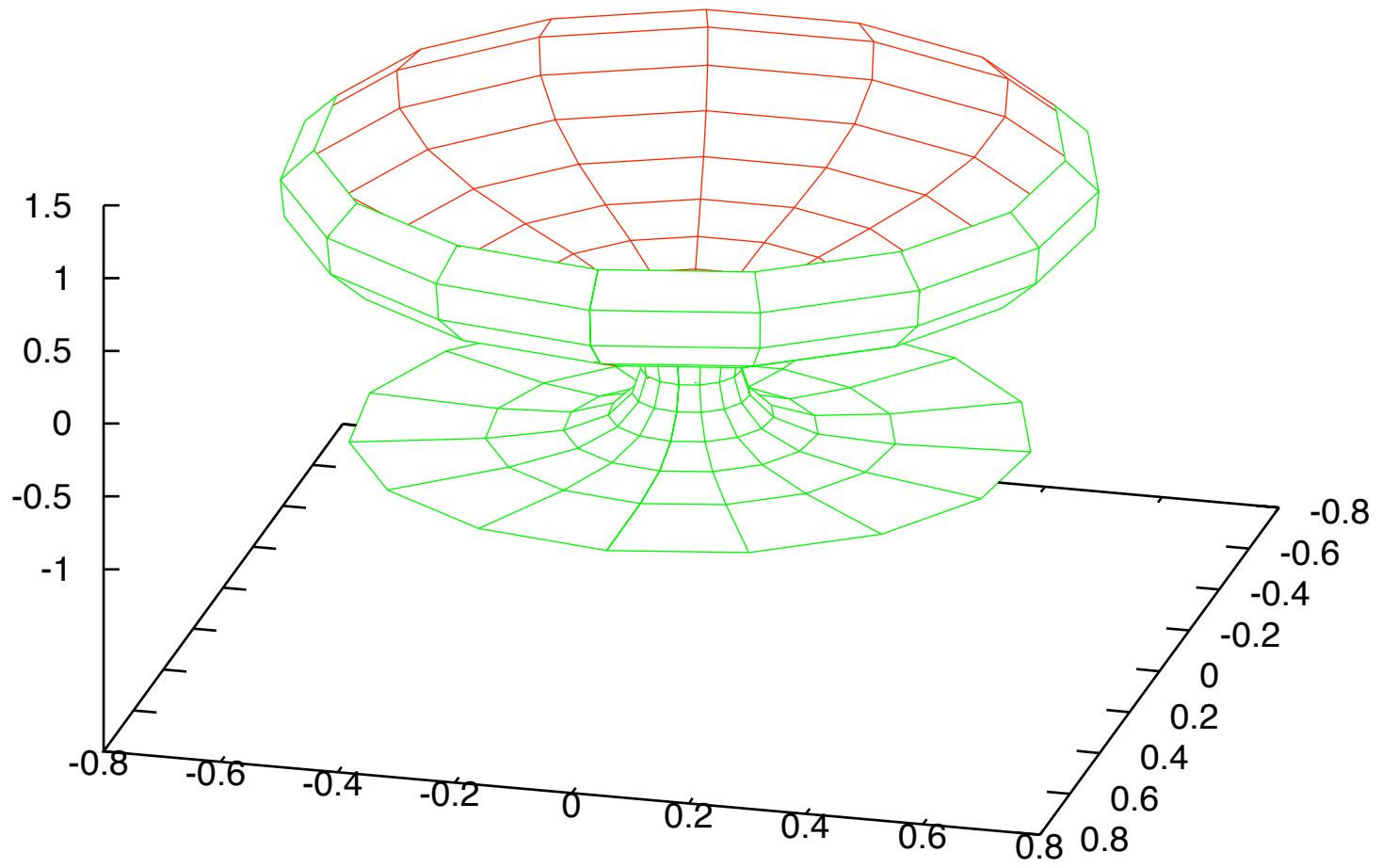


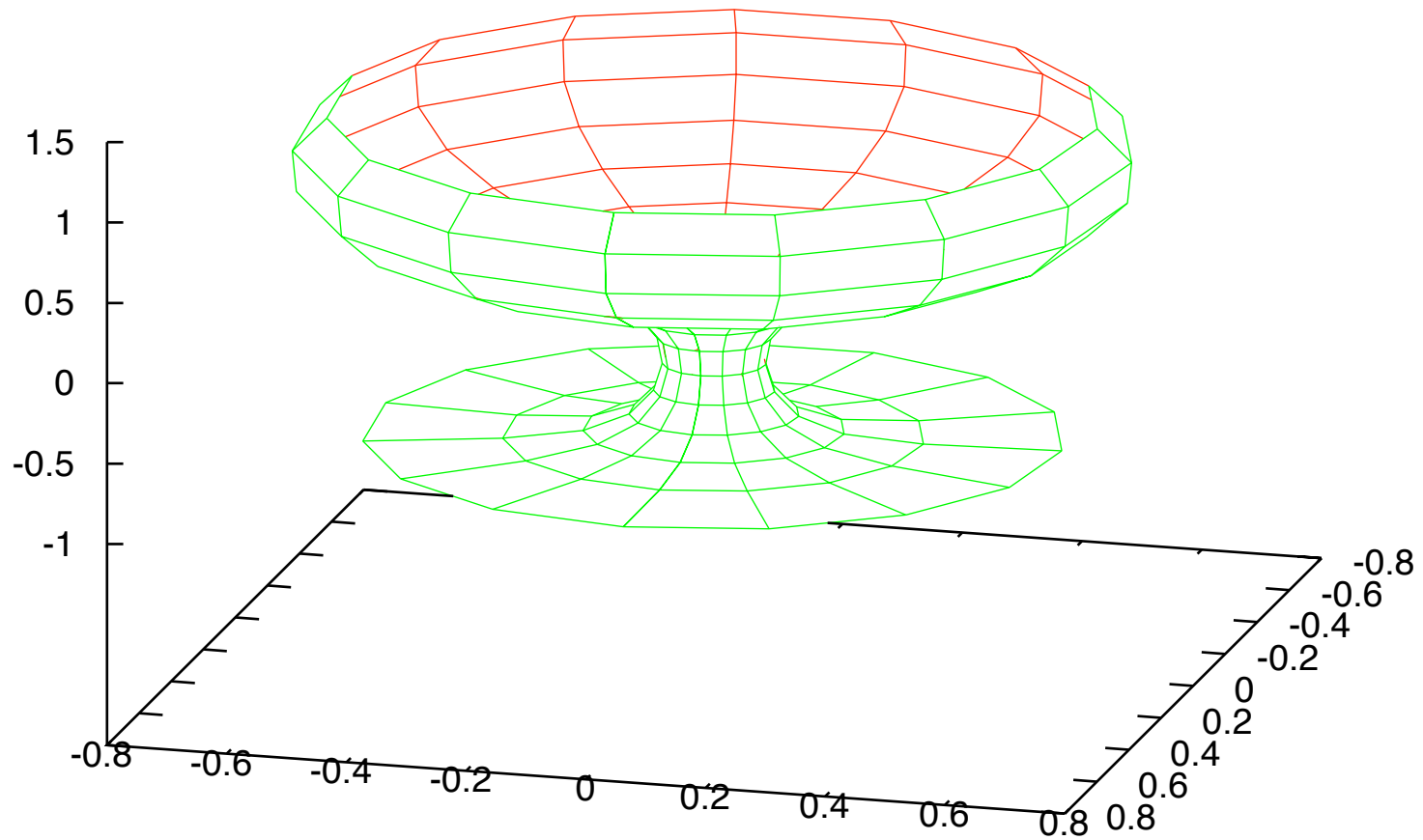


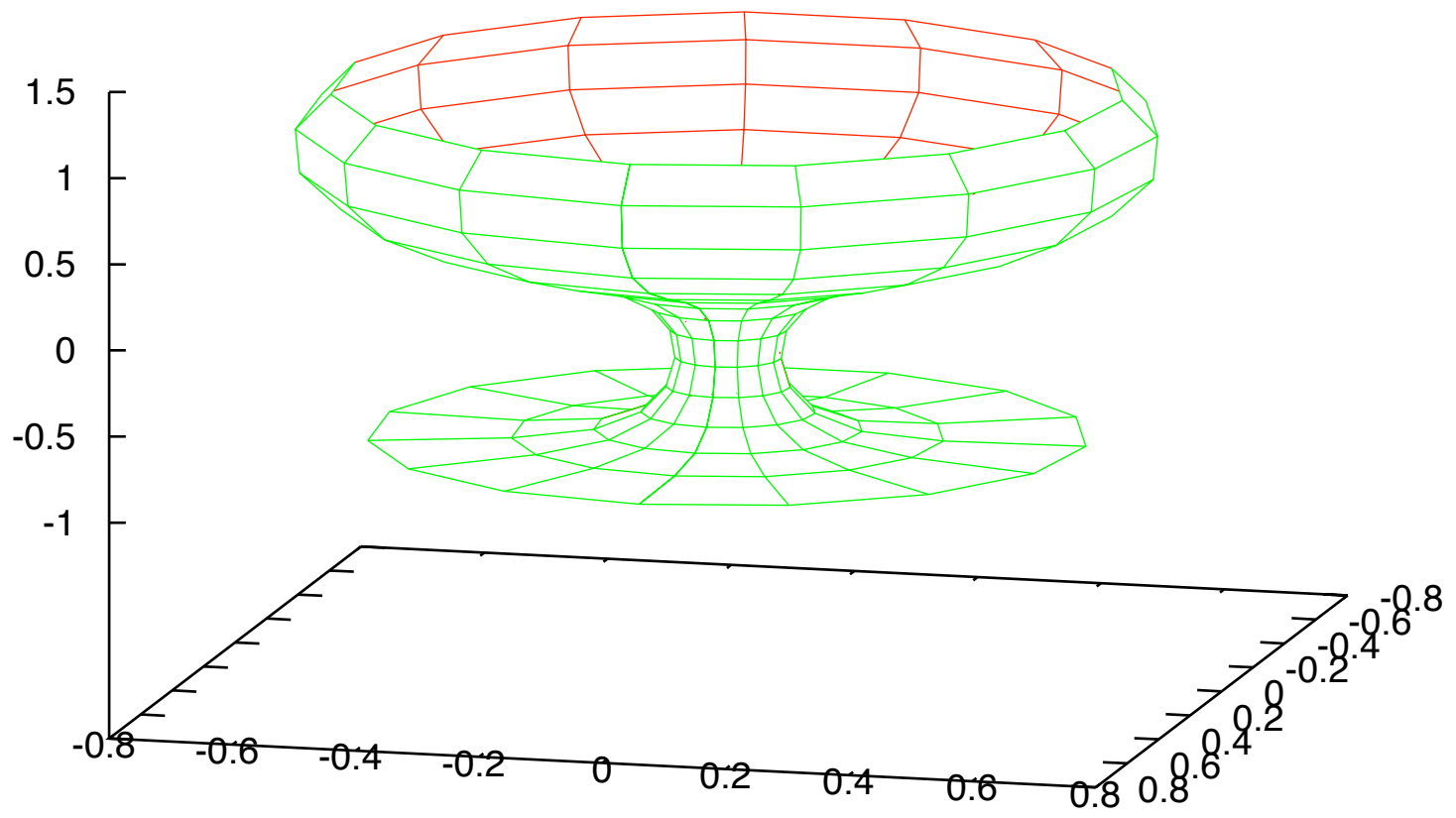


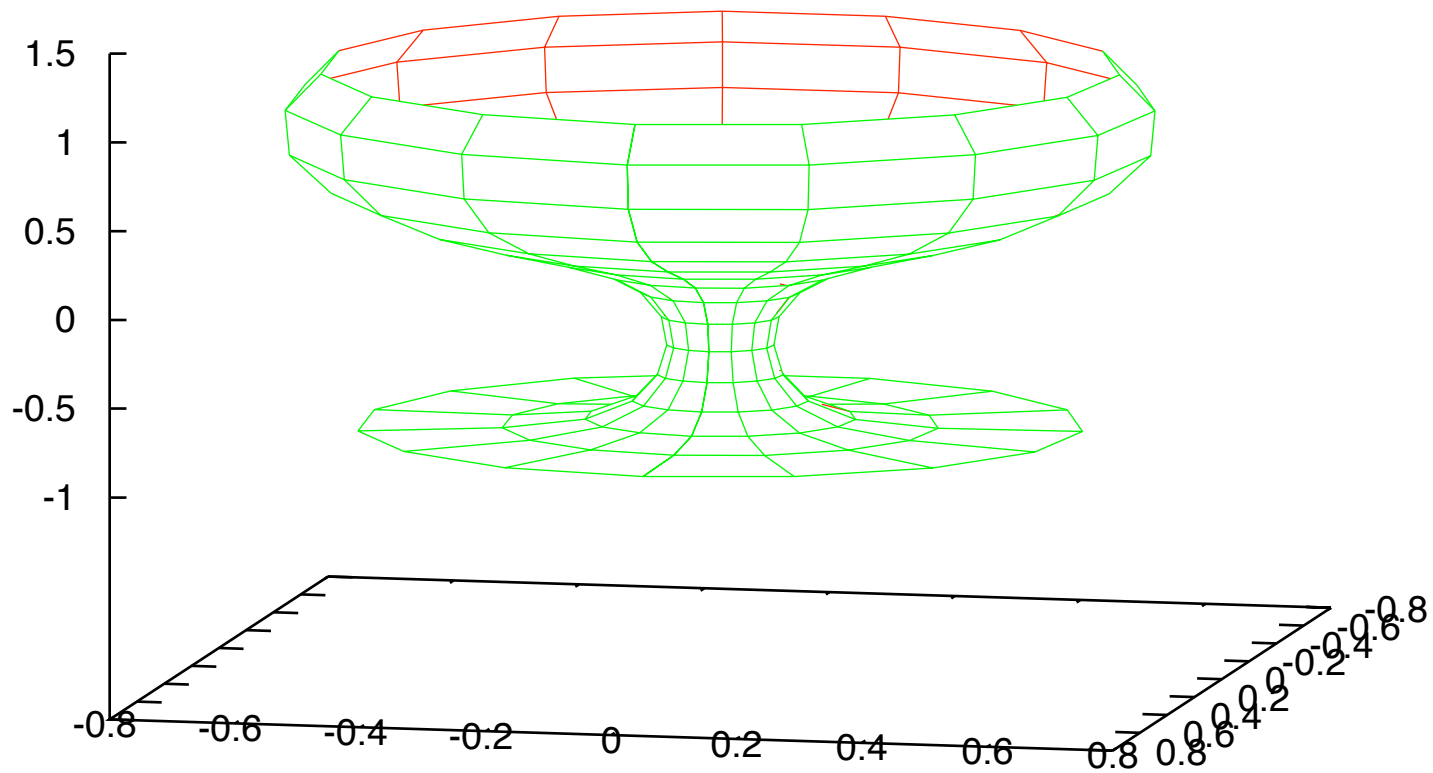


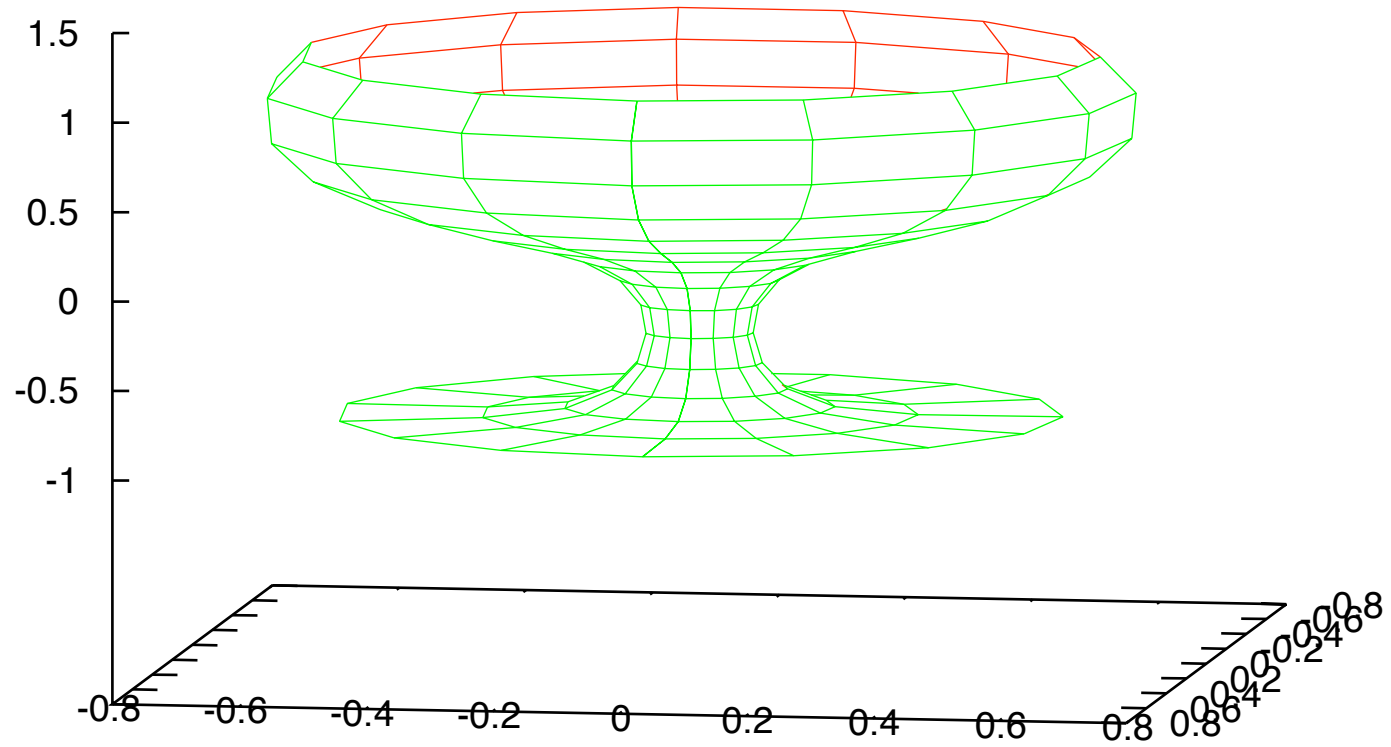


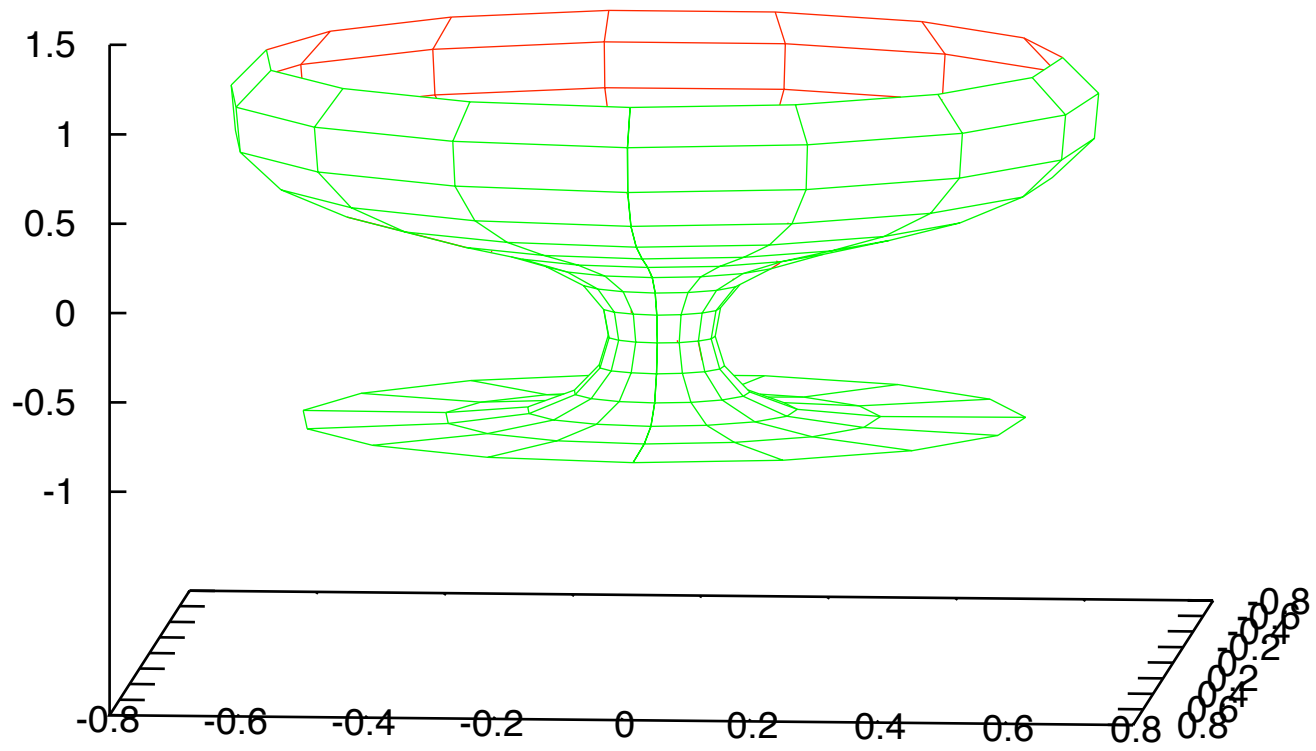


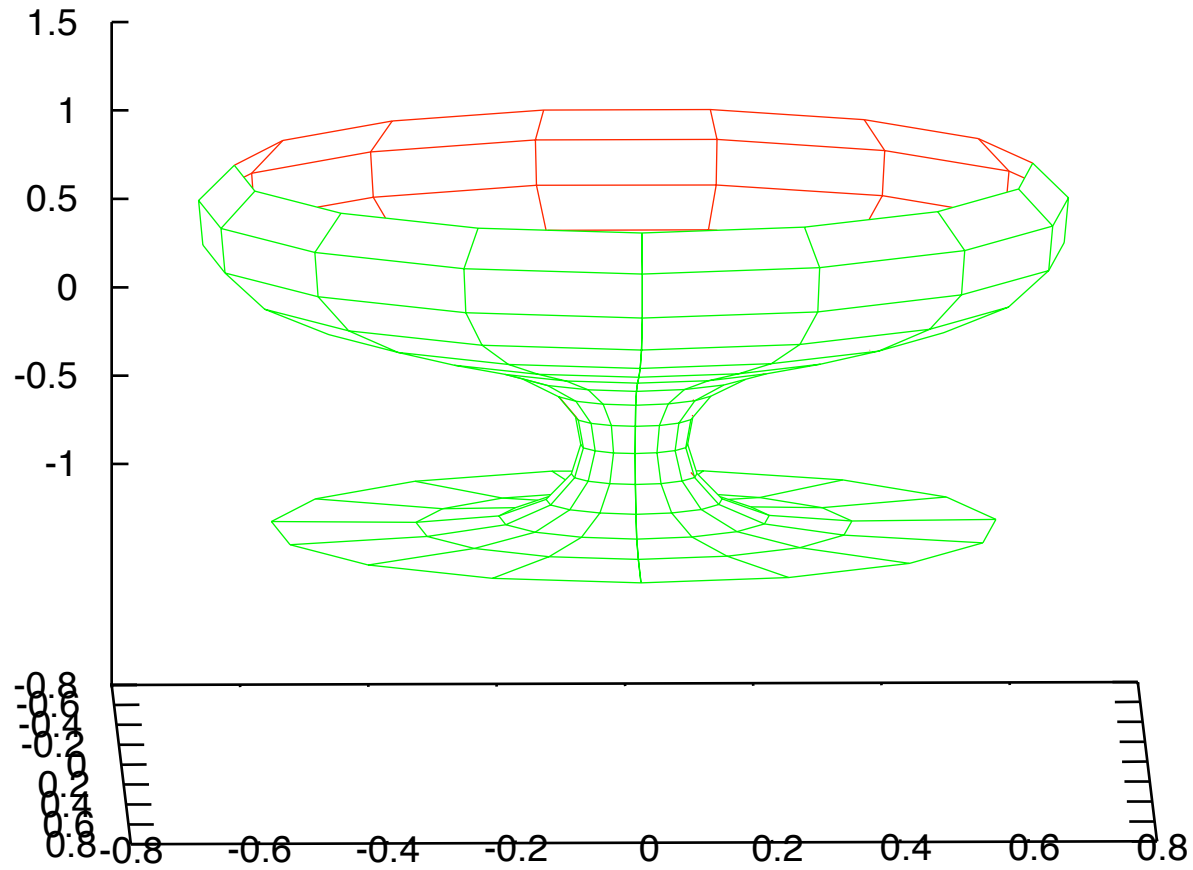


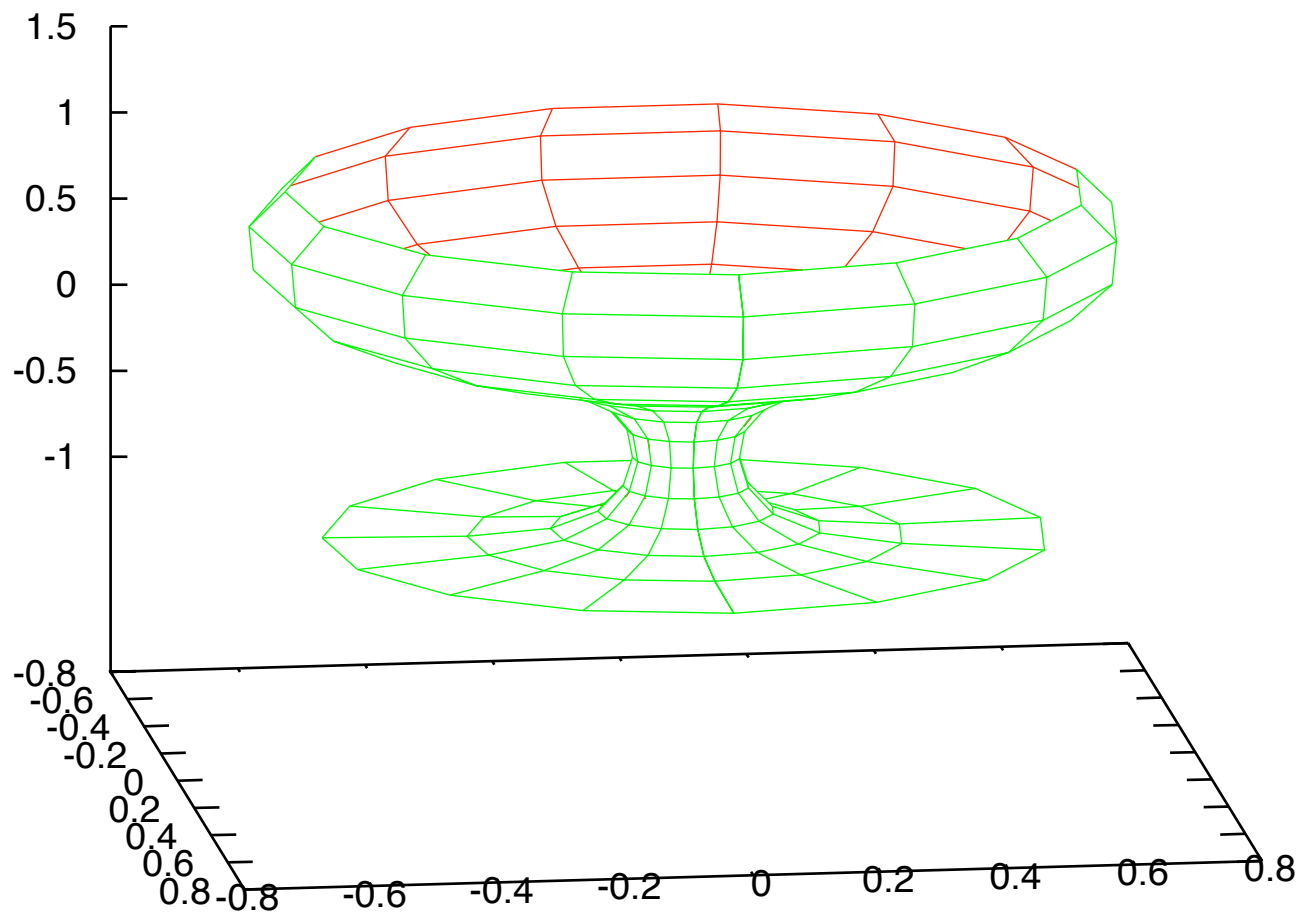


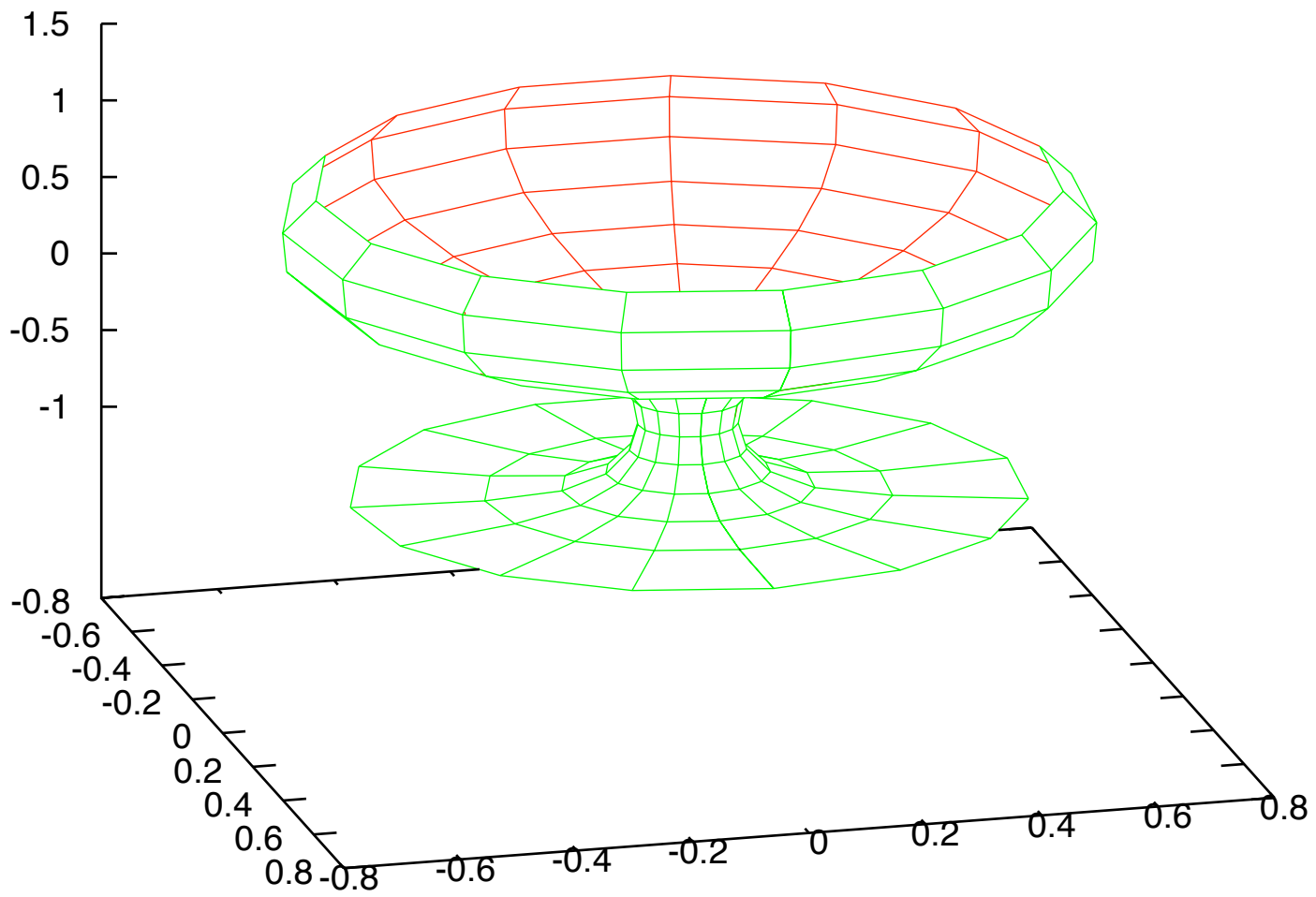


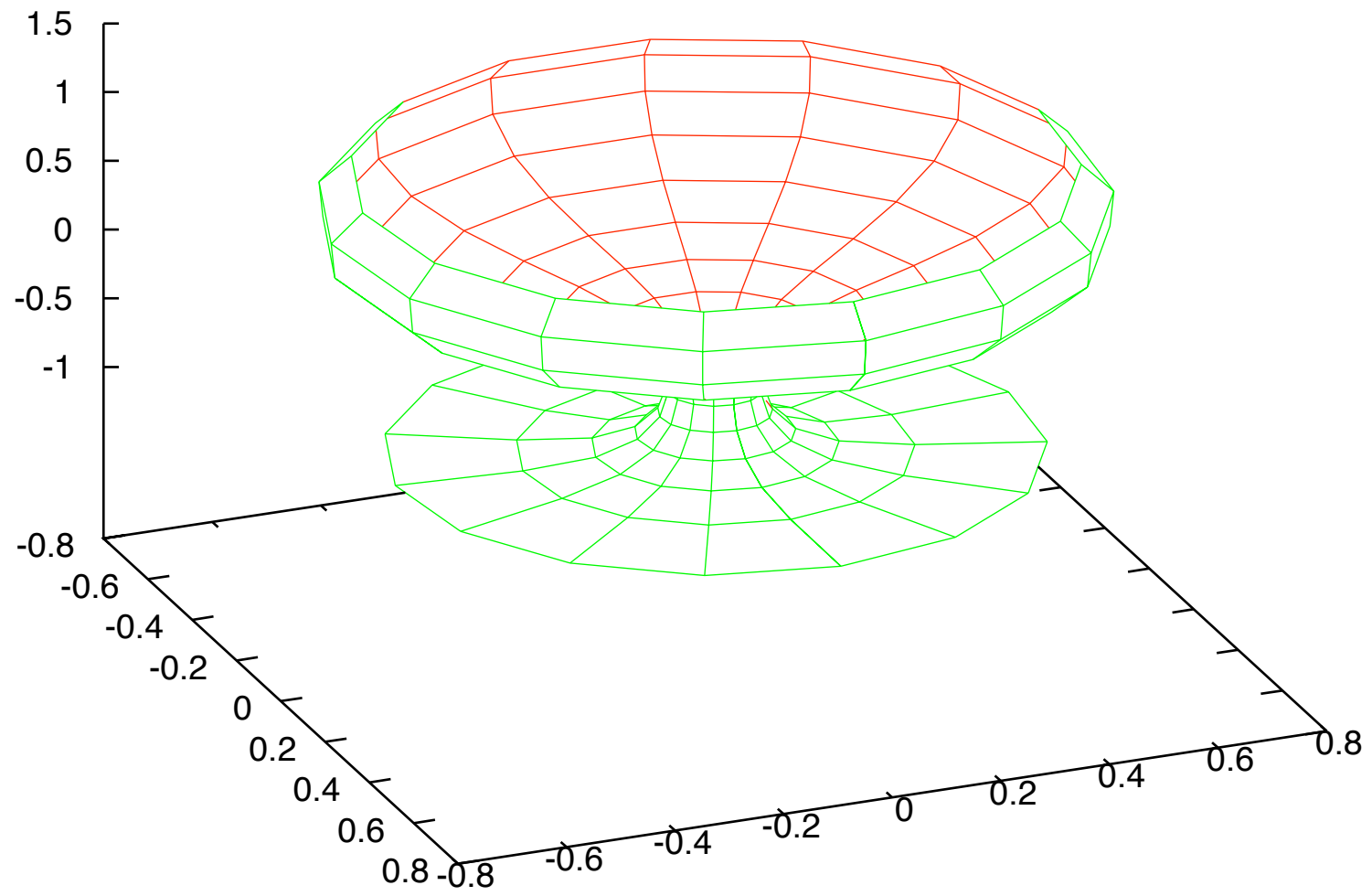


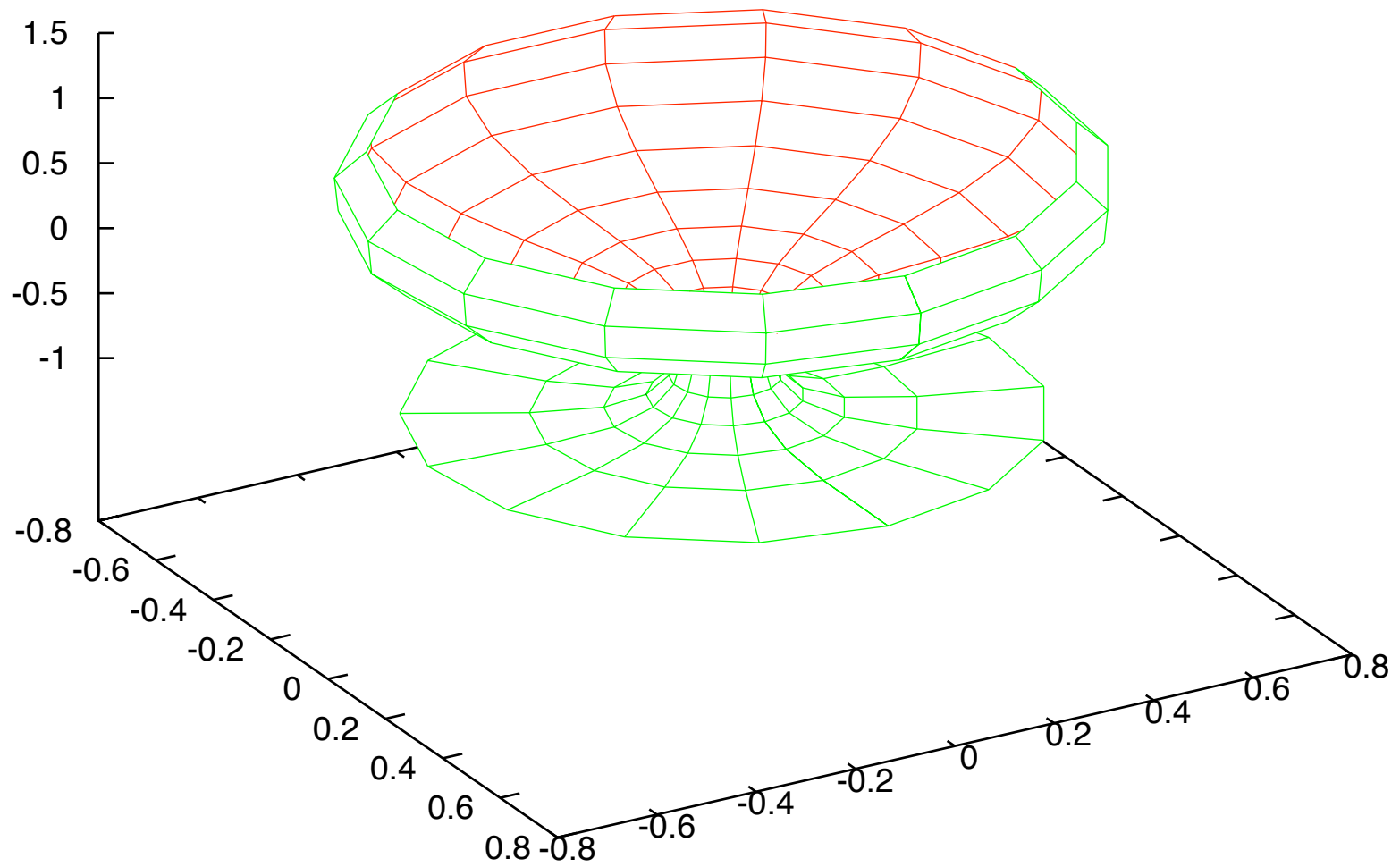


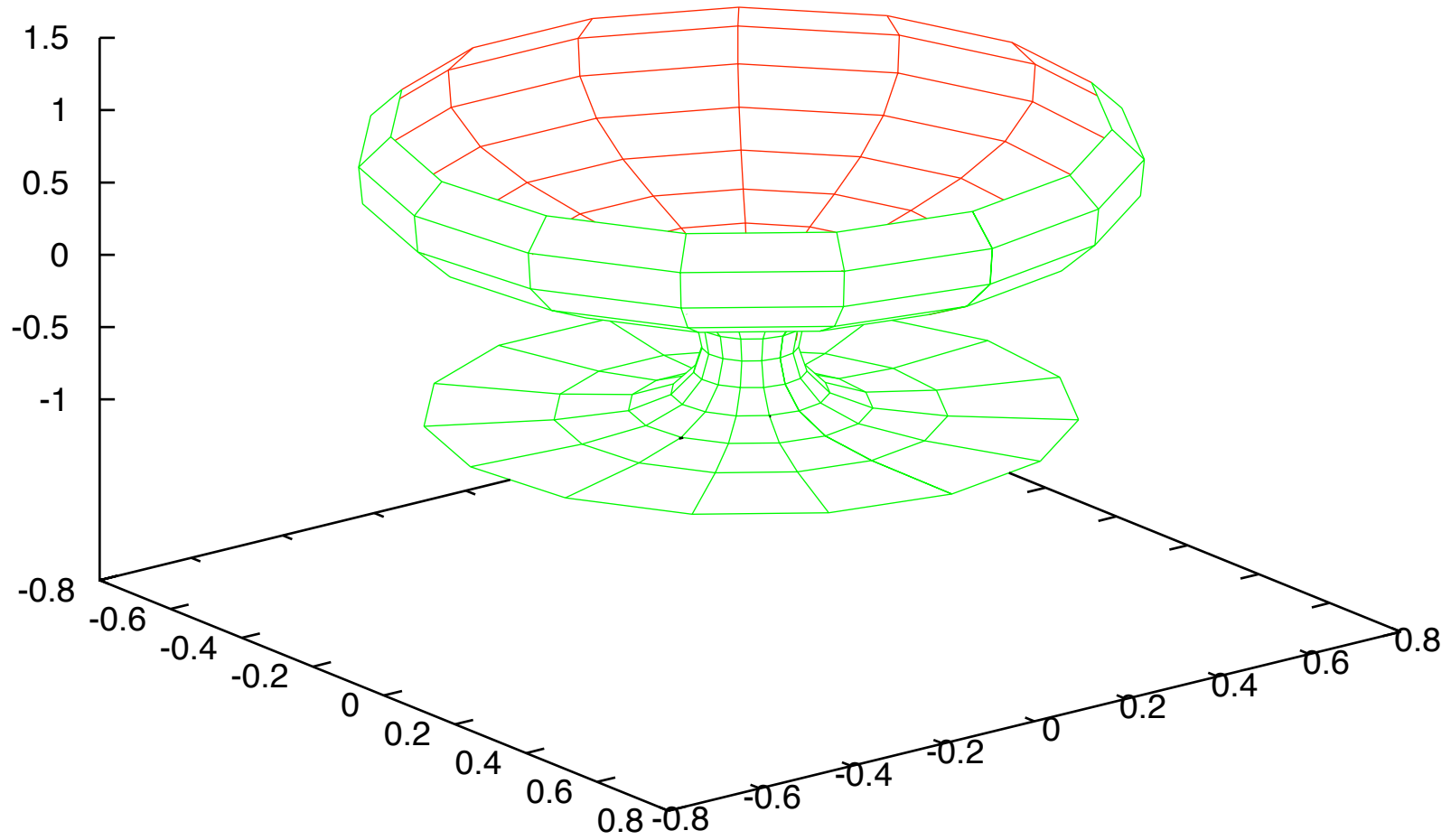


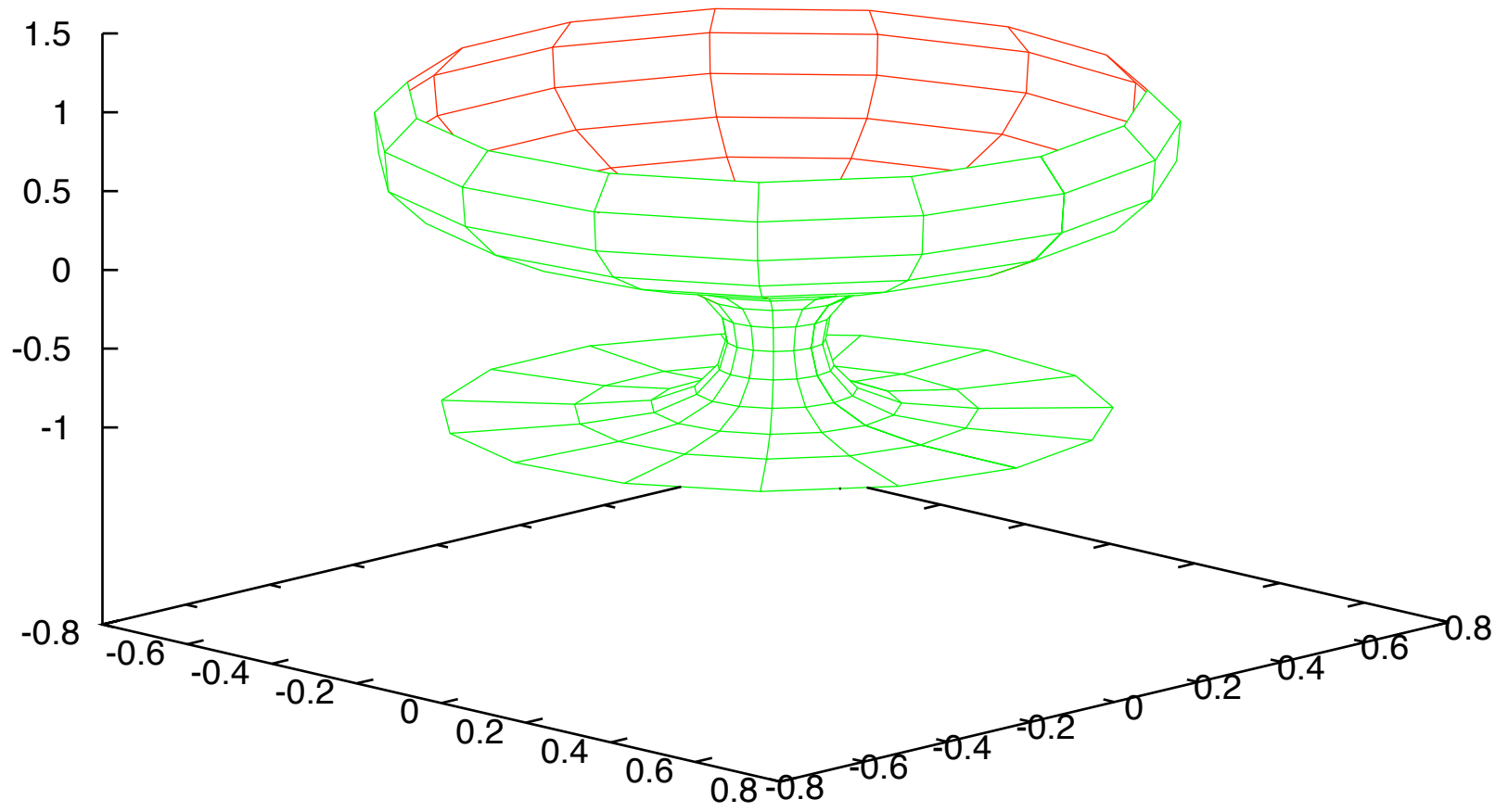


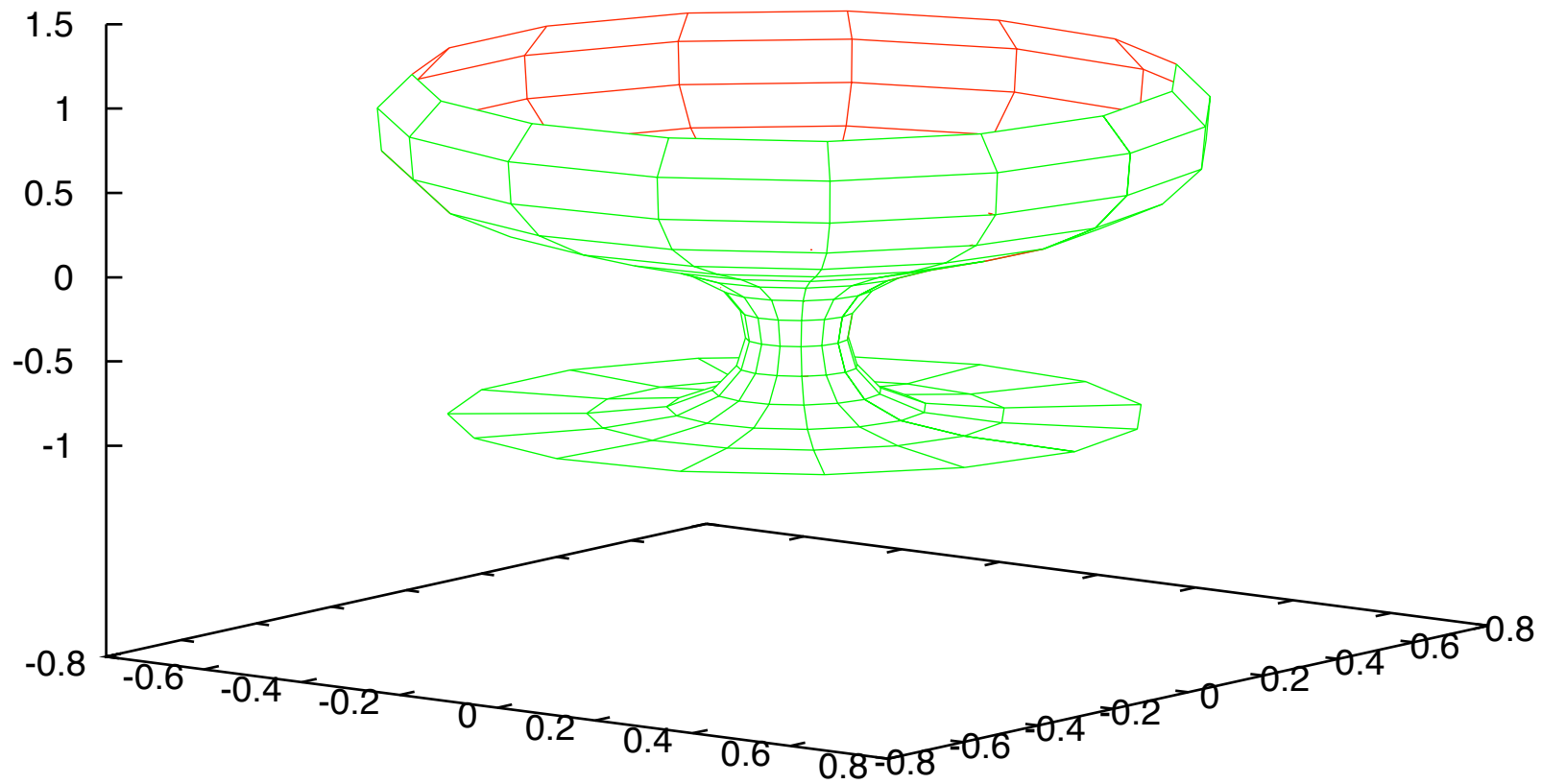


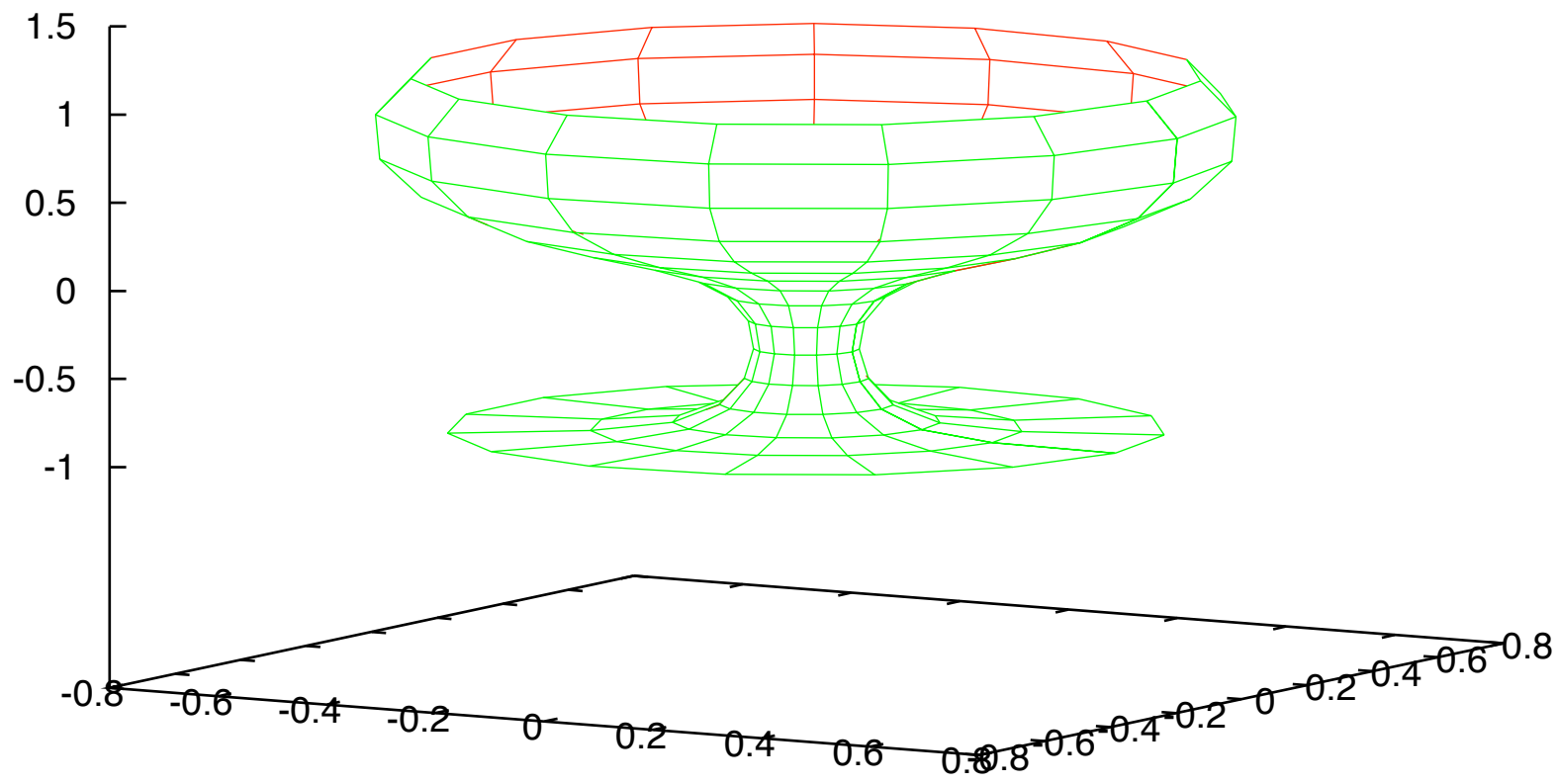


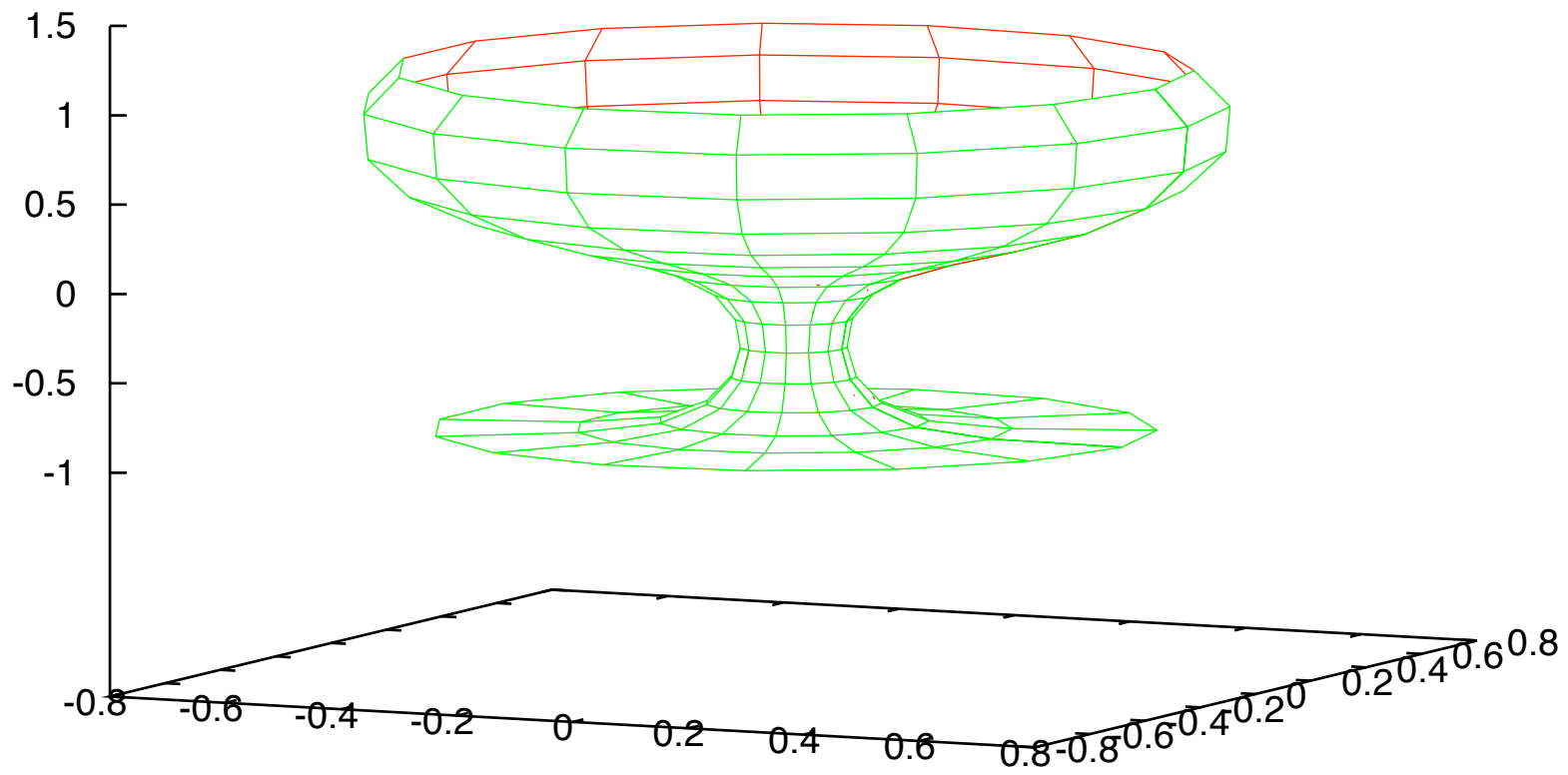


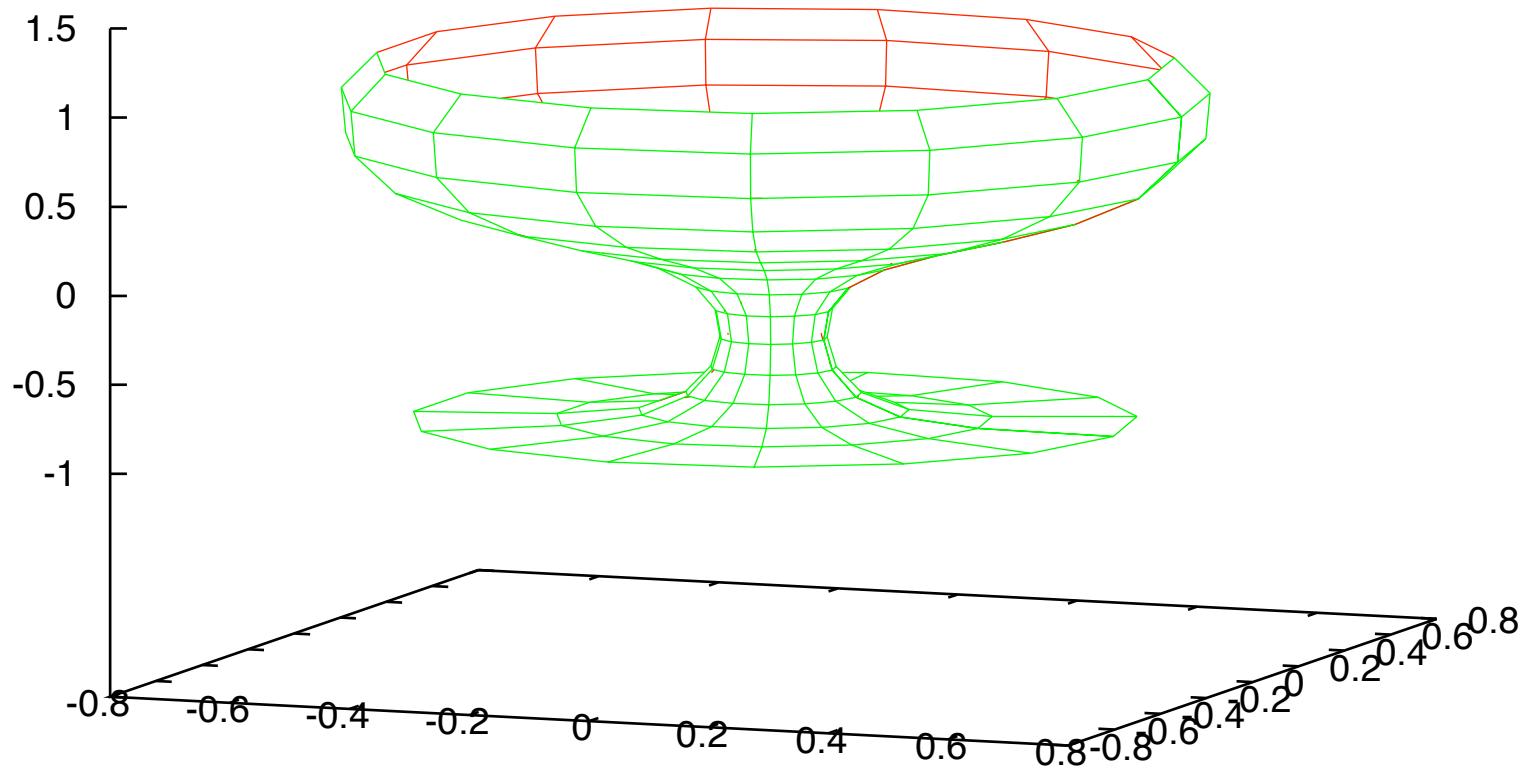


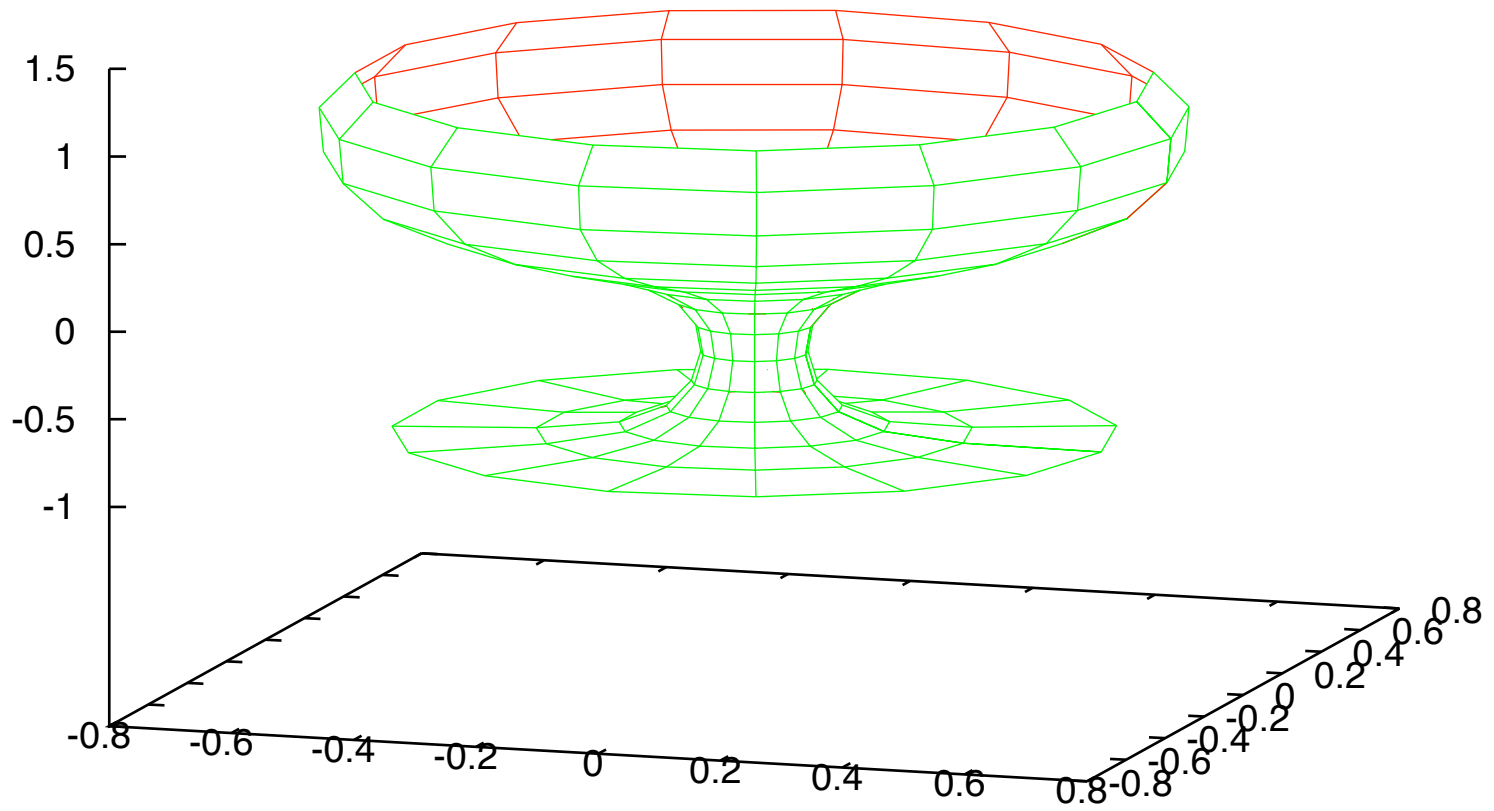


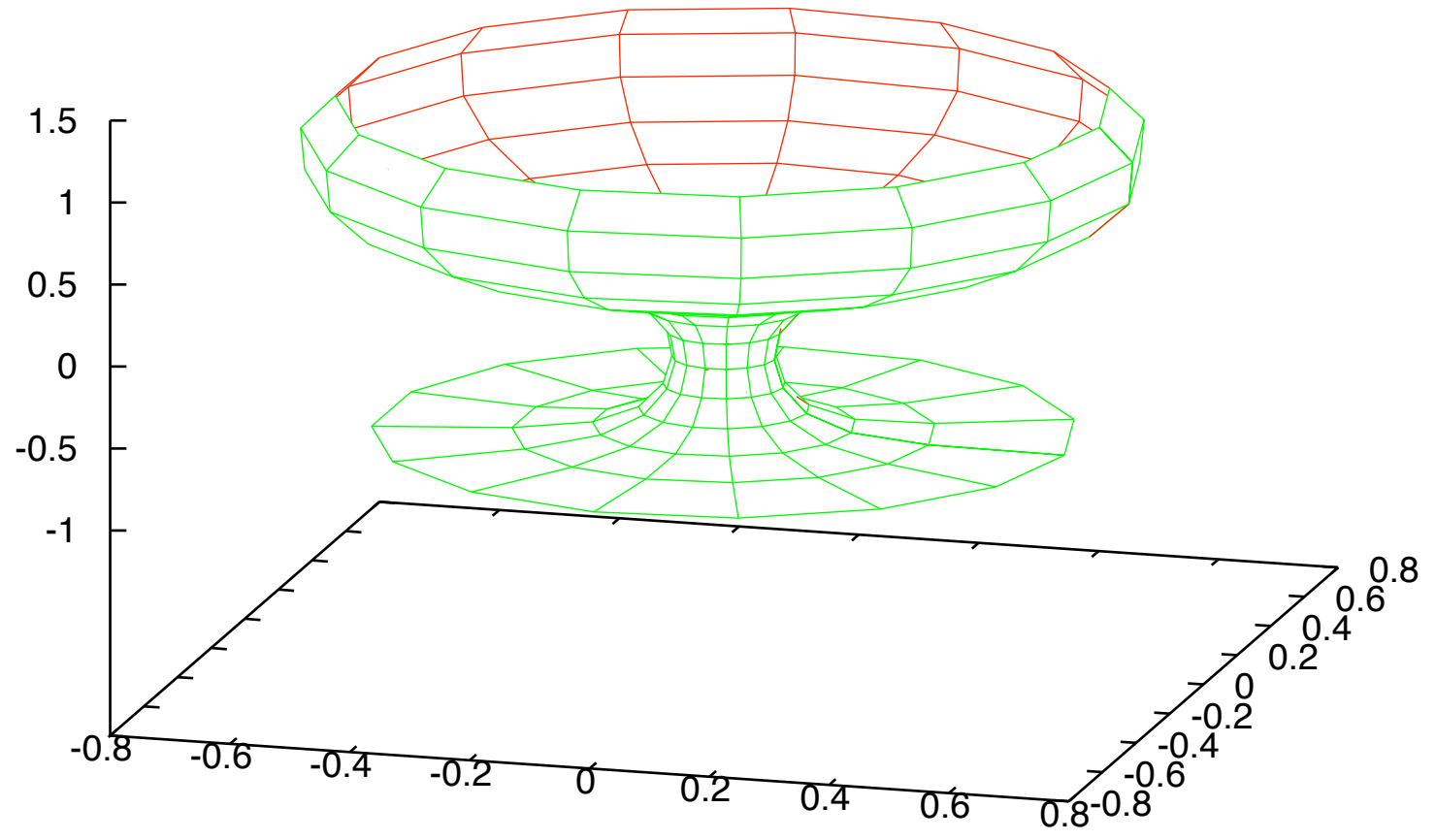


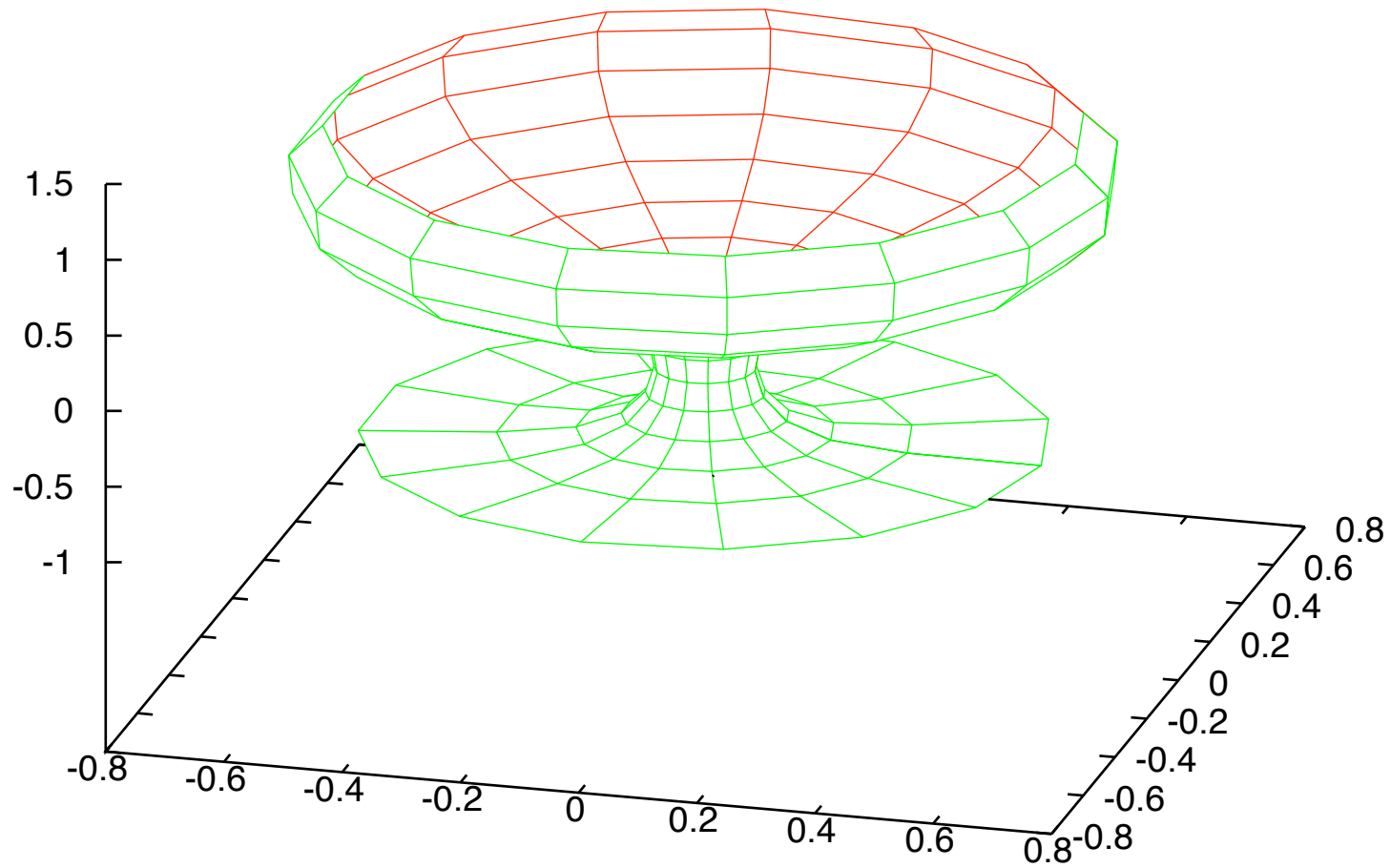


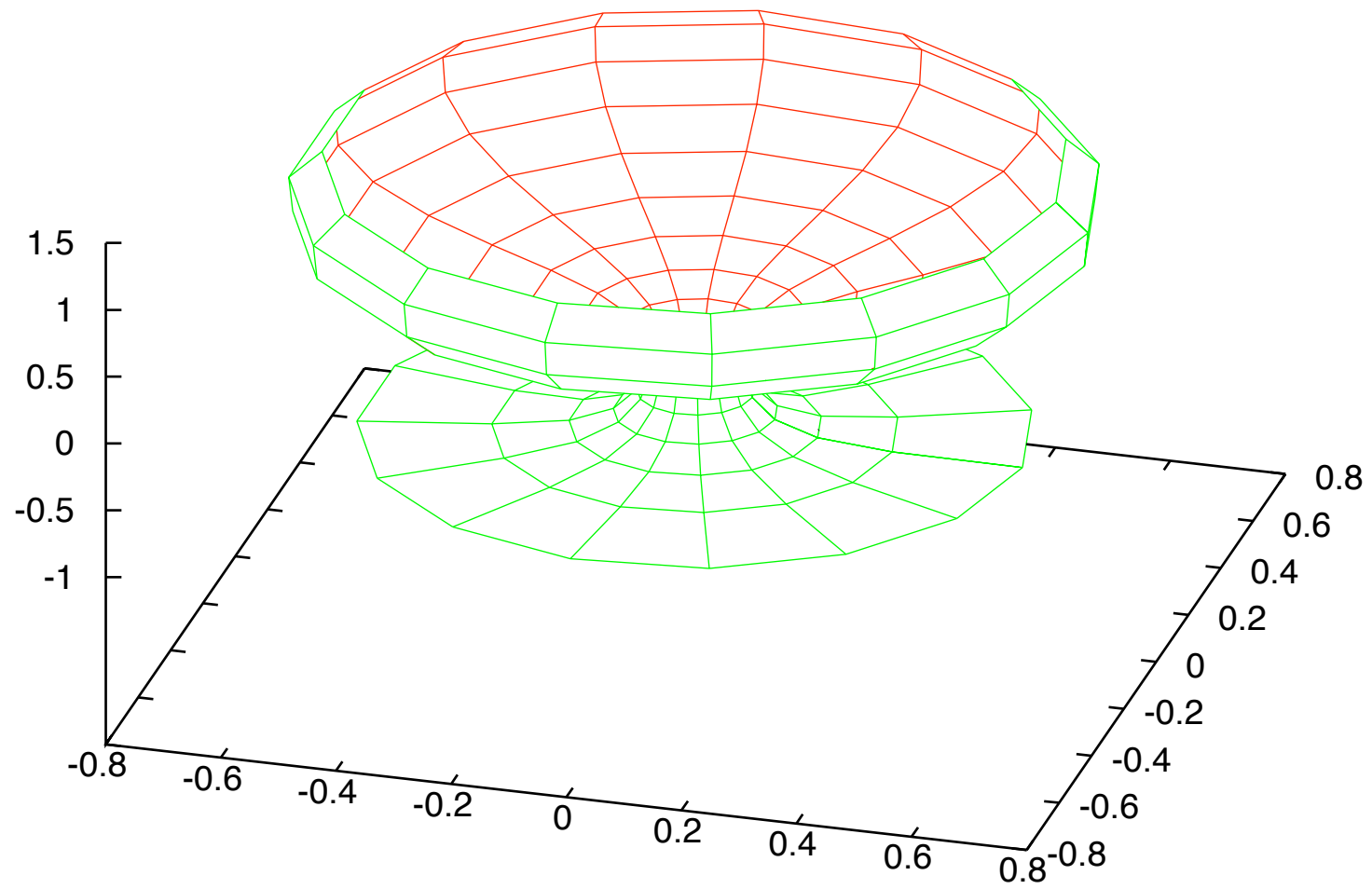


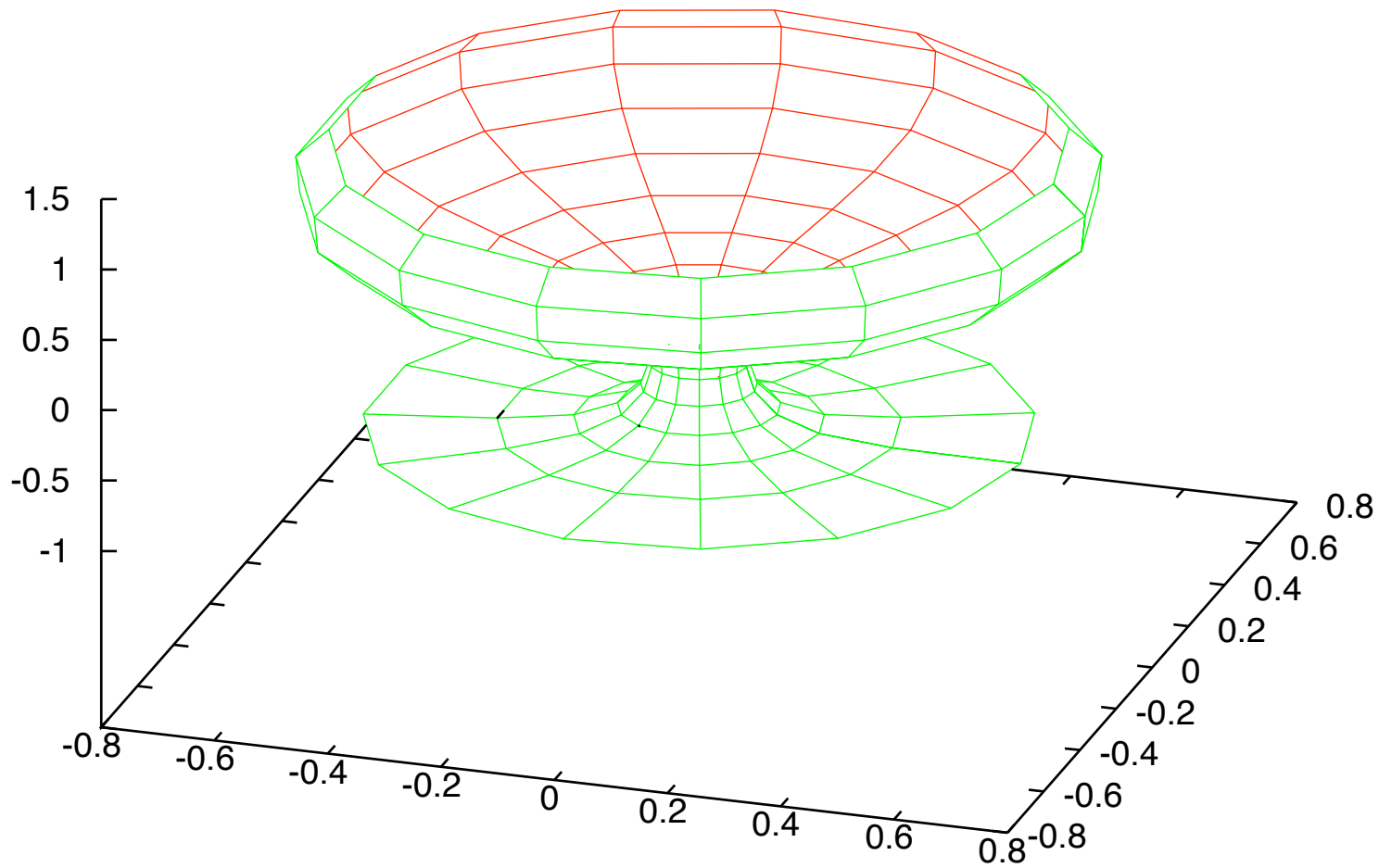


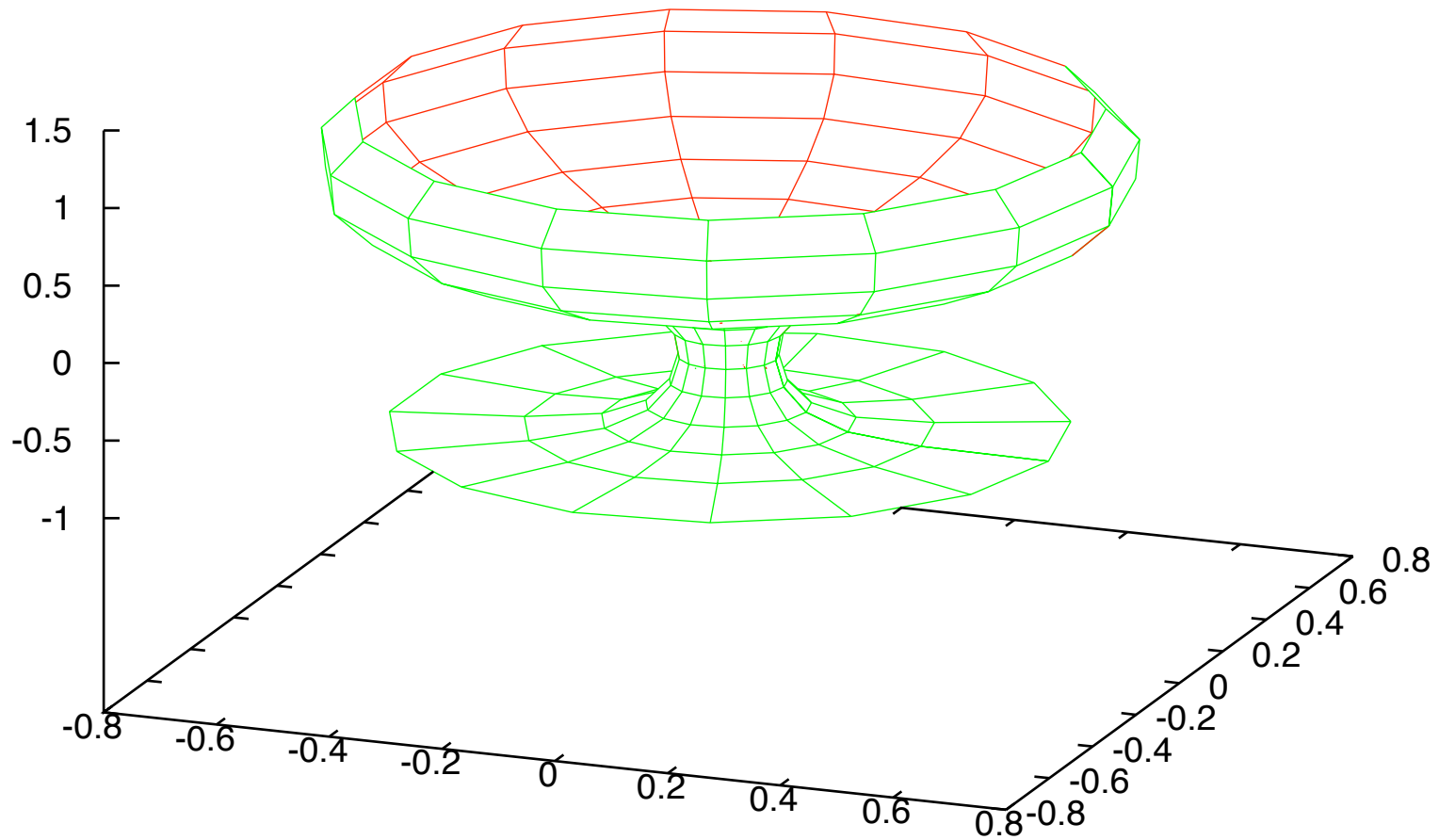


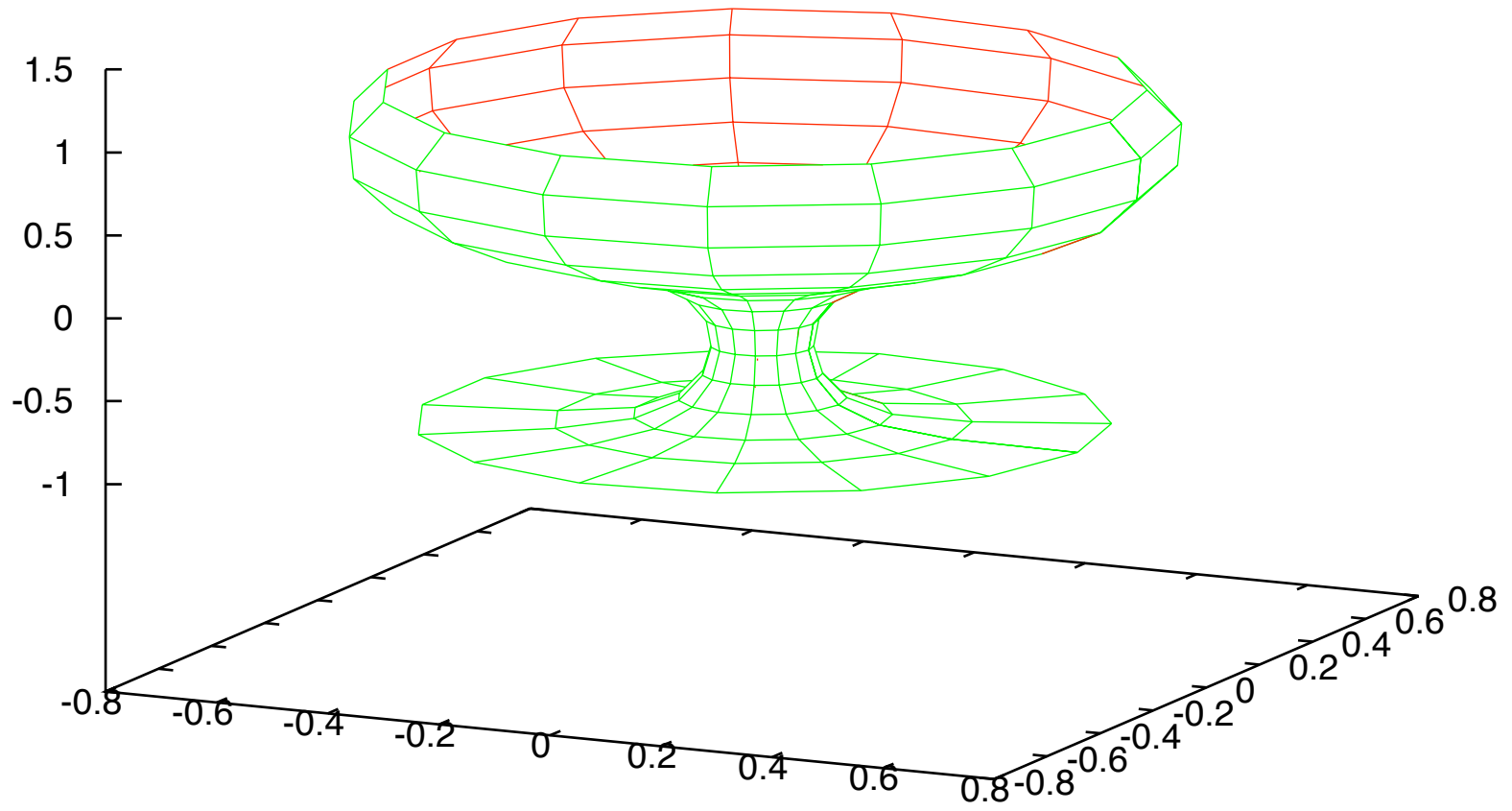


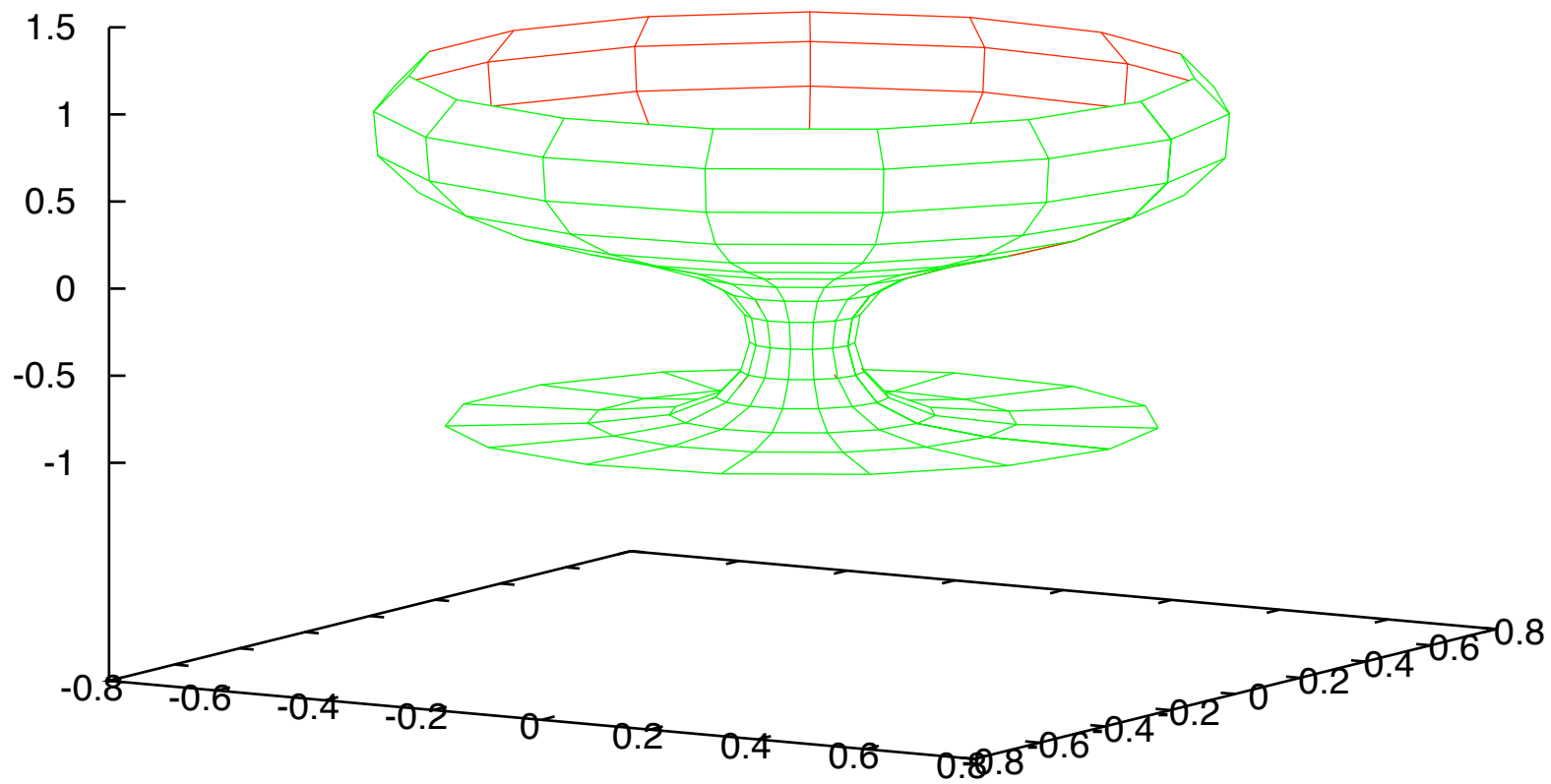


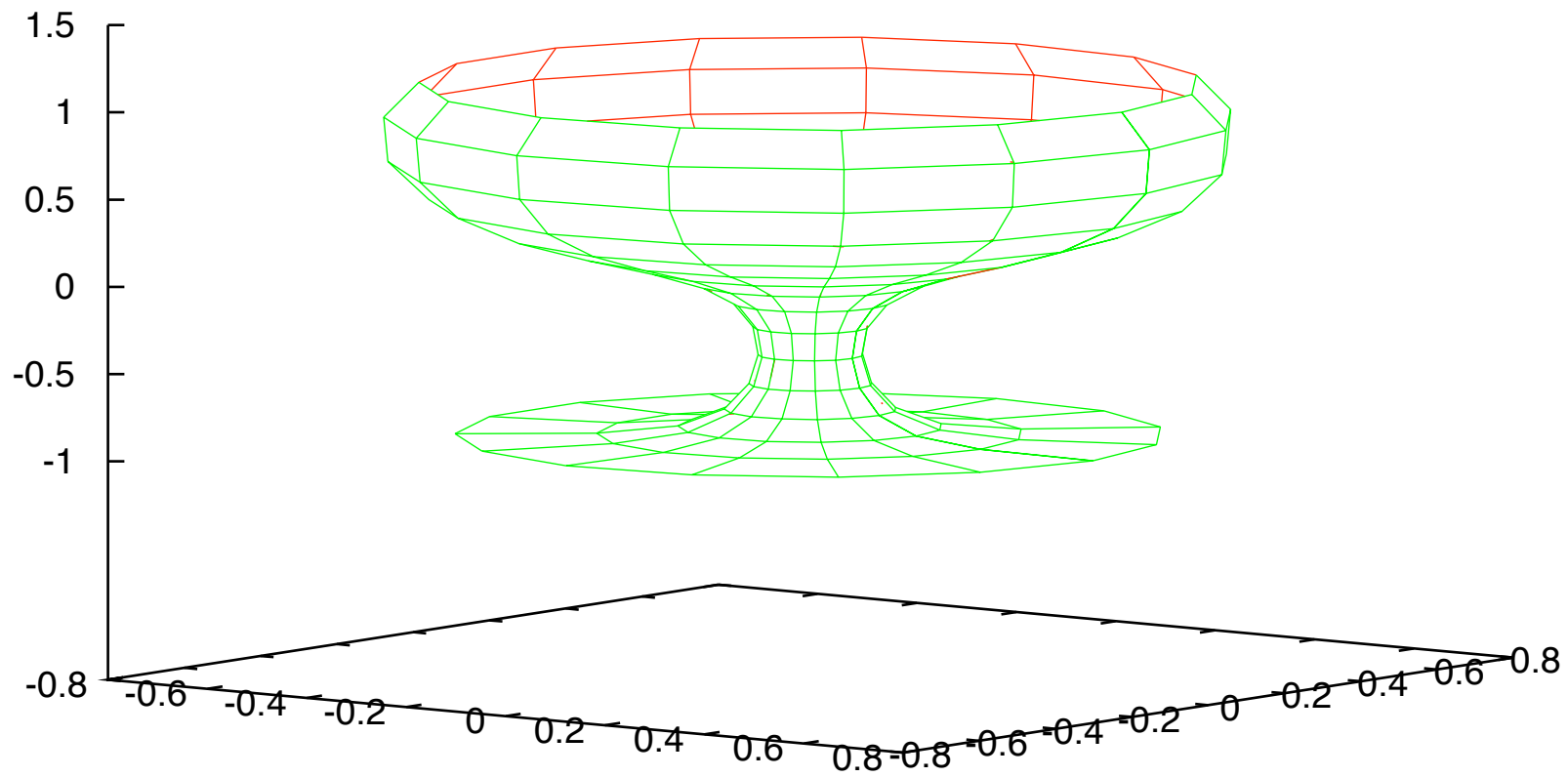


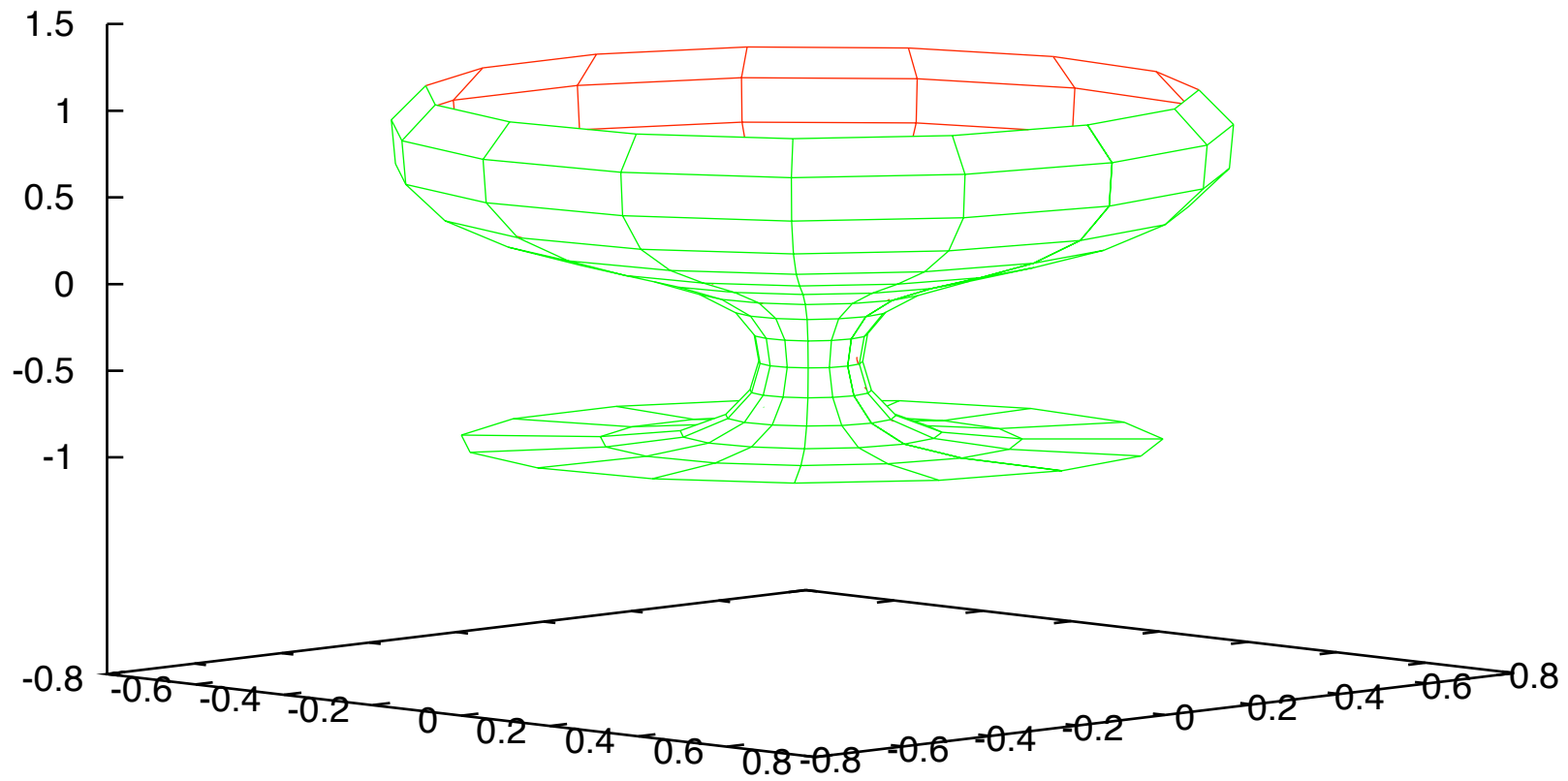


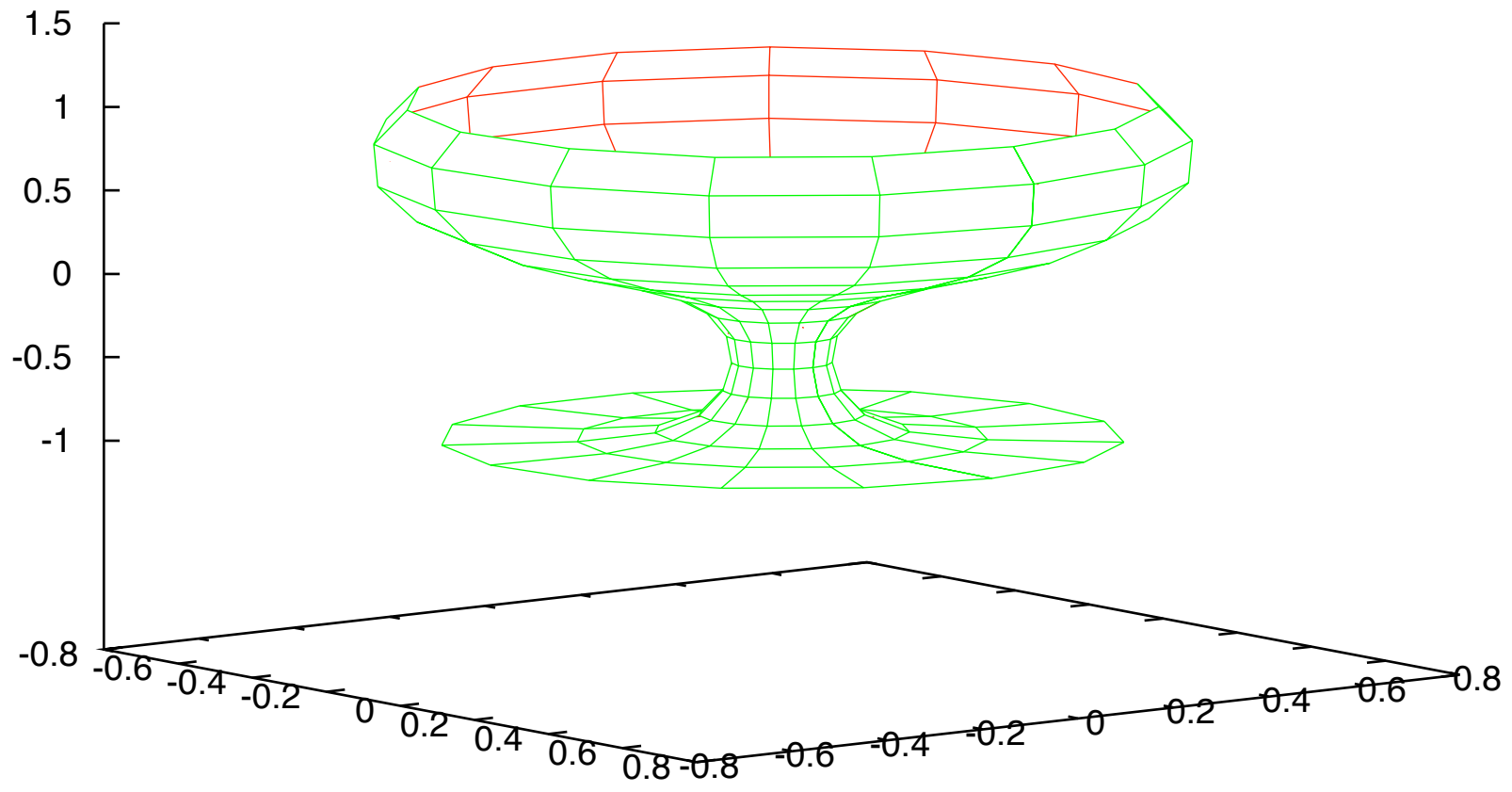


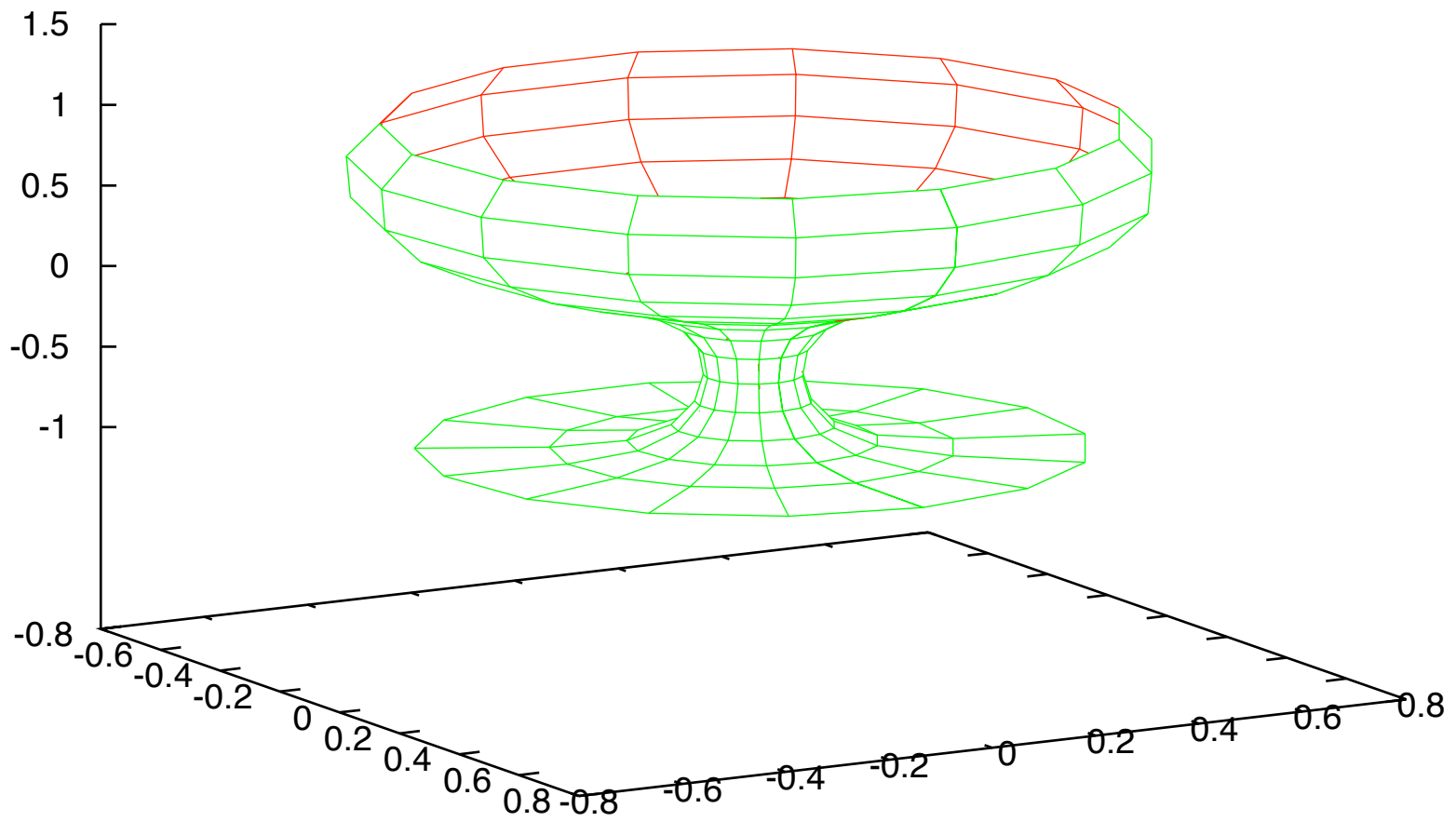


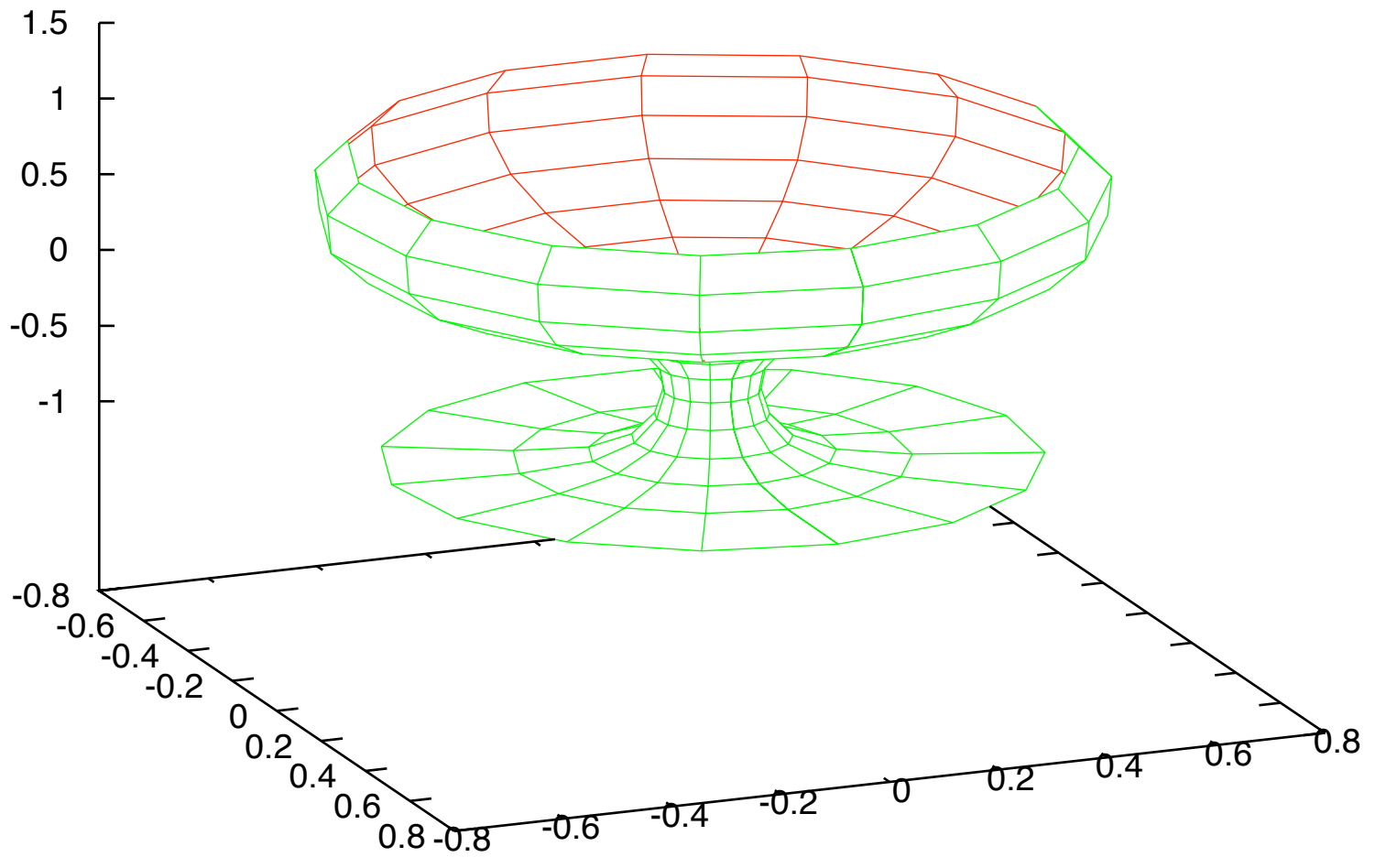


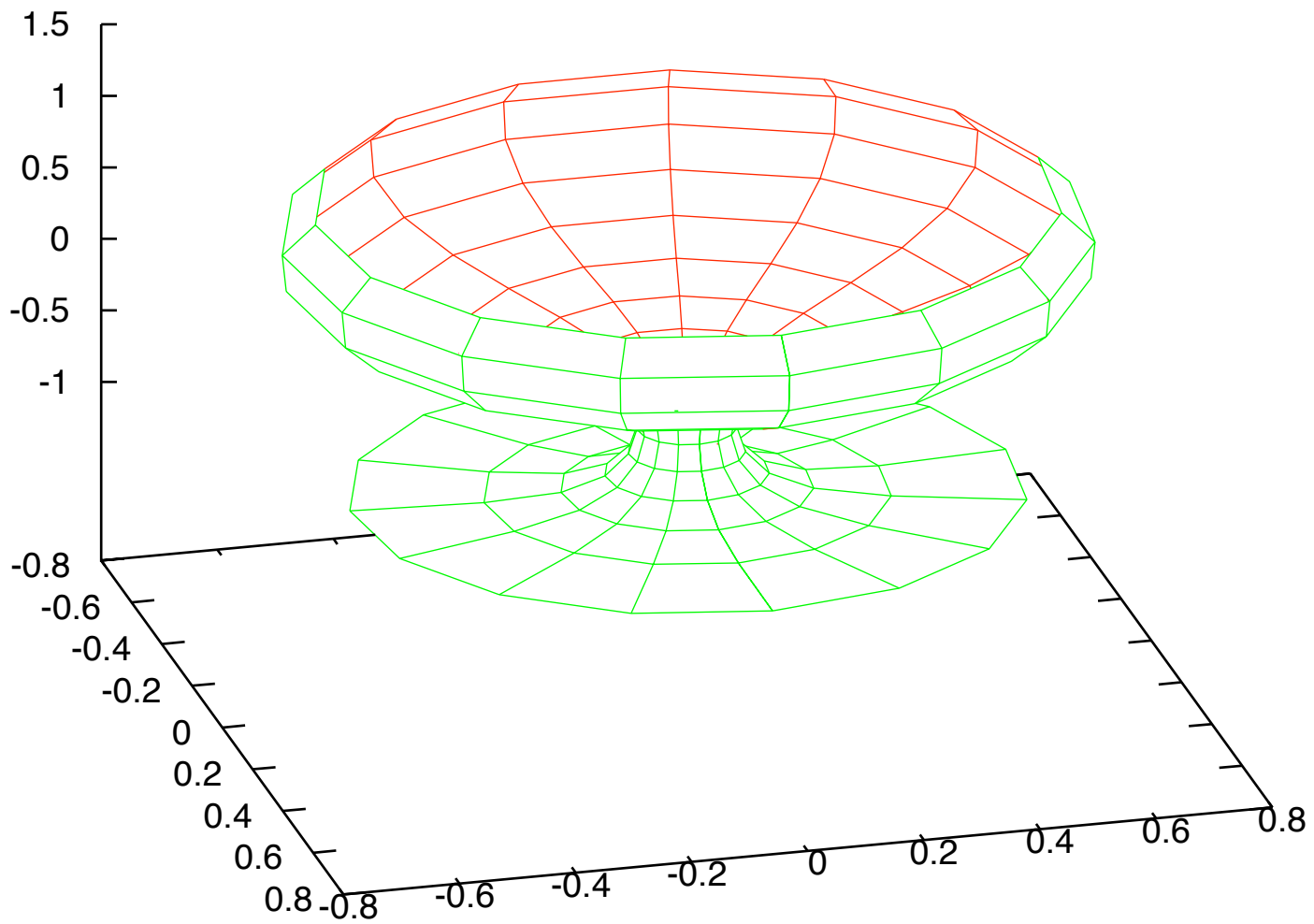


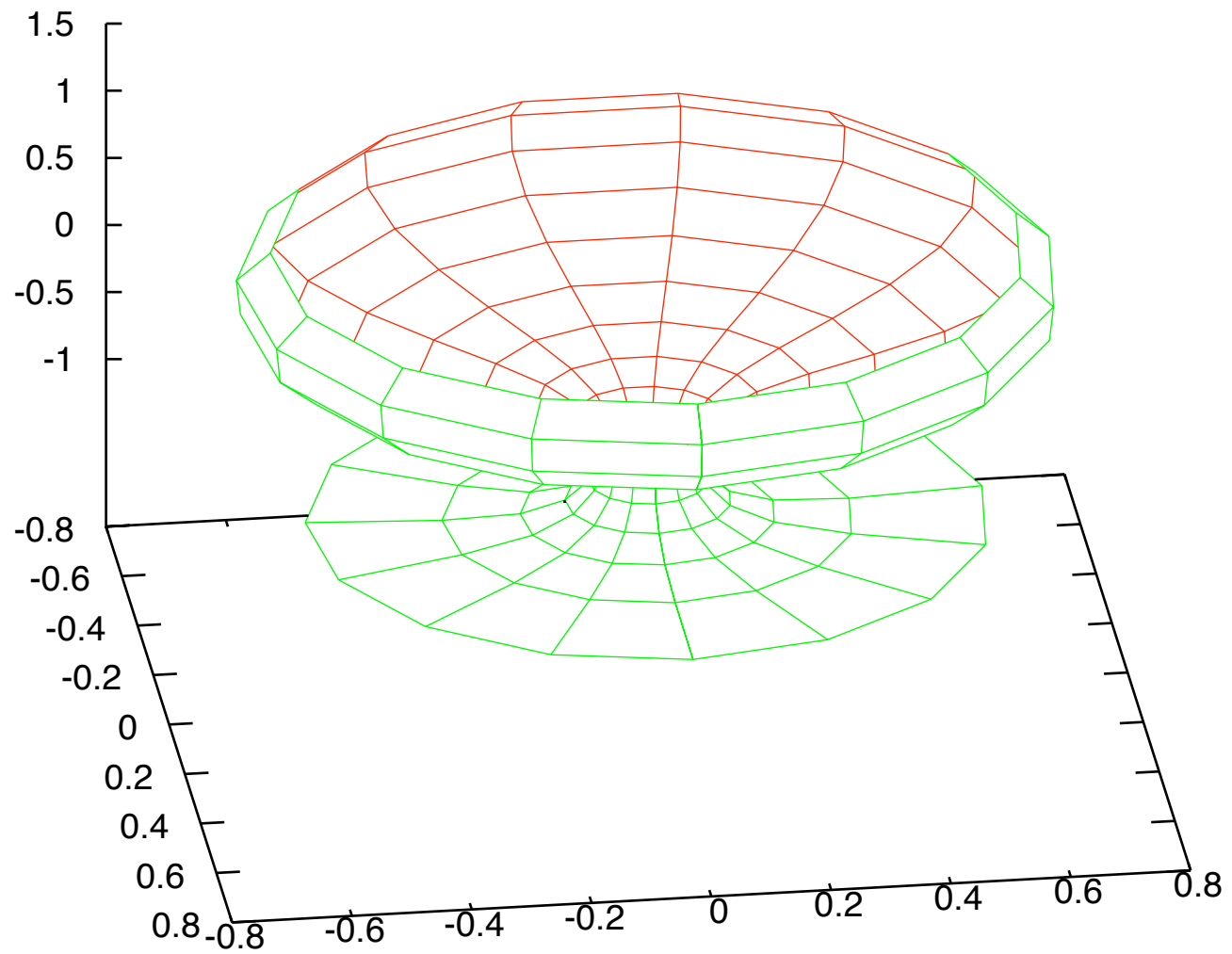




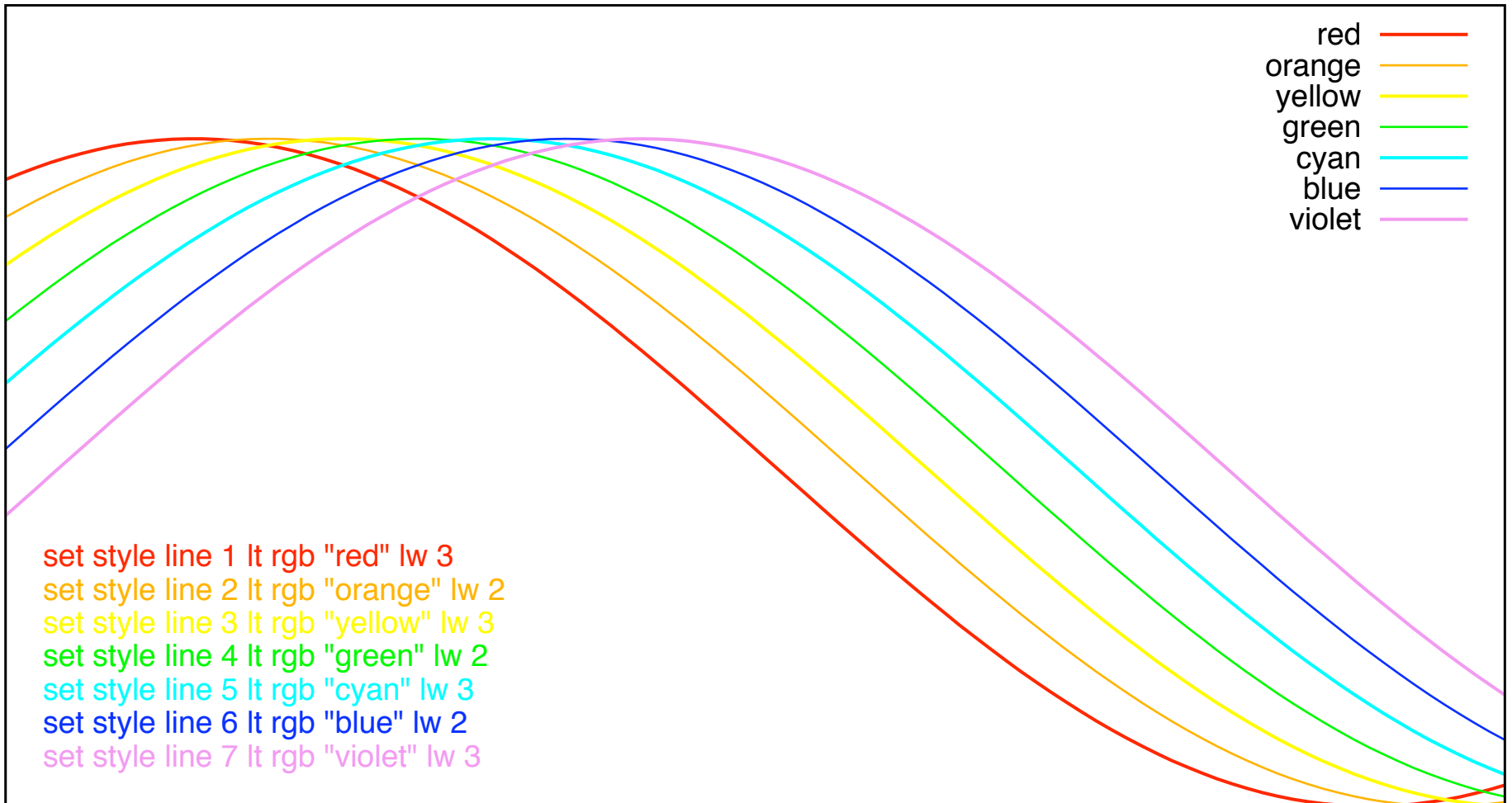






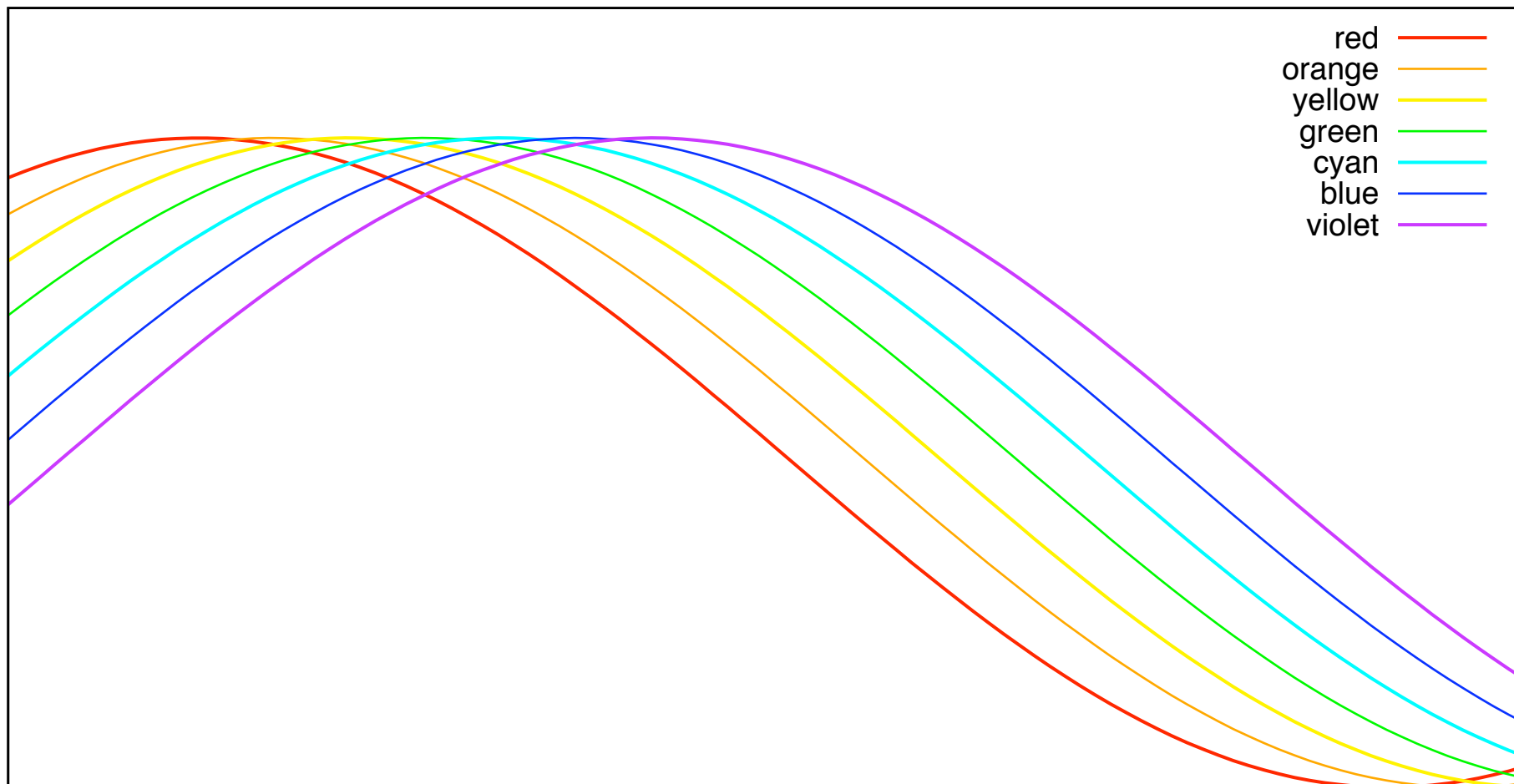


Terminal-independent RGB colors in 2D



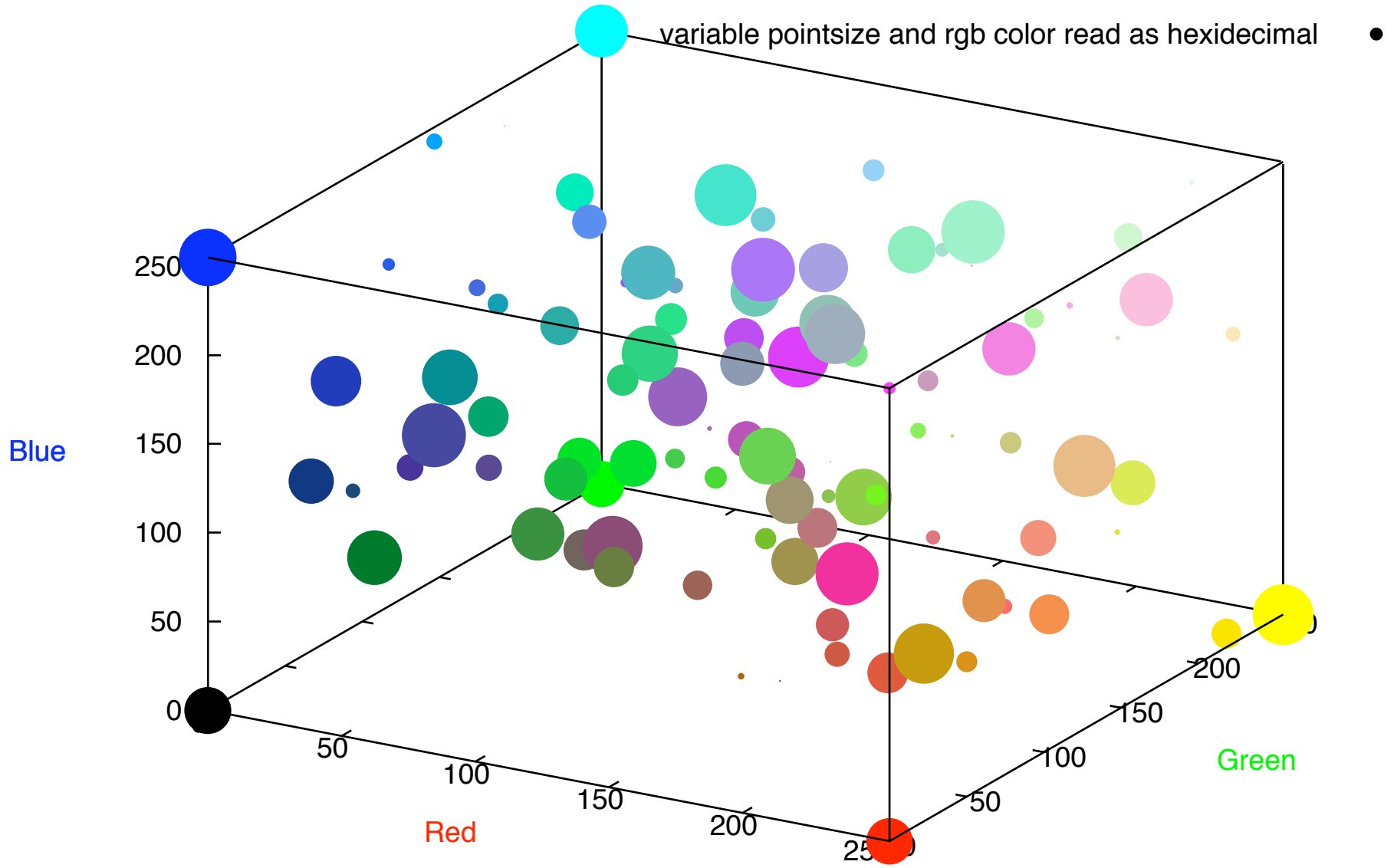
Implemented using built-in rgb color names
(only works for terminals that can do full rgb color)

Terminal-independent palette colors in 2D
Implemented using command line macros referring to a fixed HSV palette

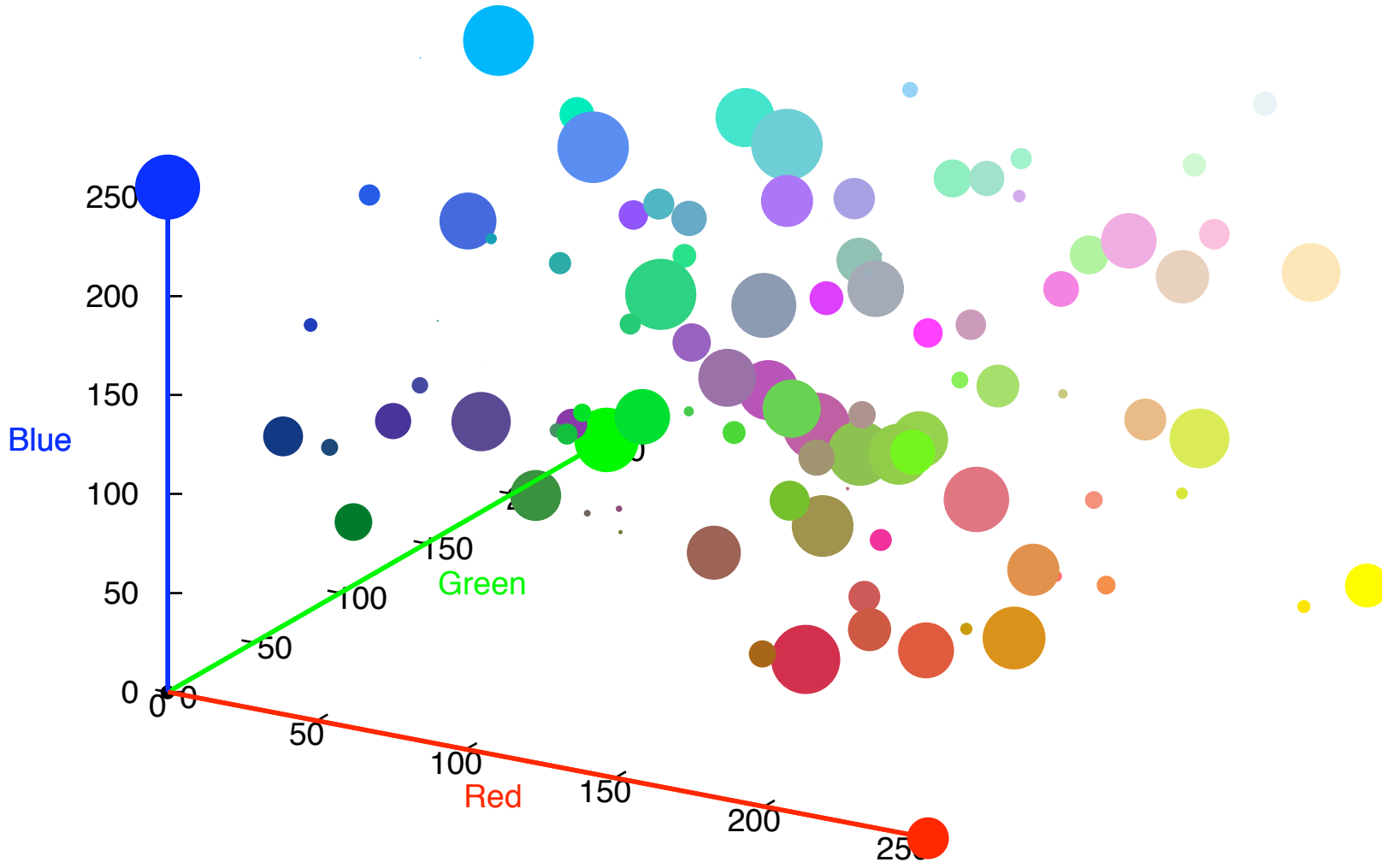


HSV color wheel



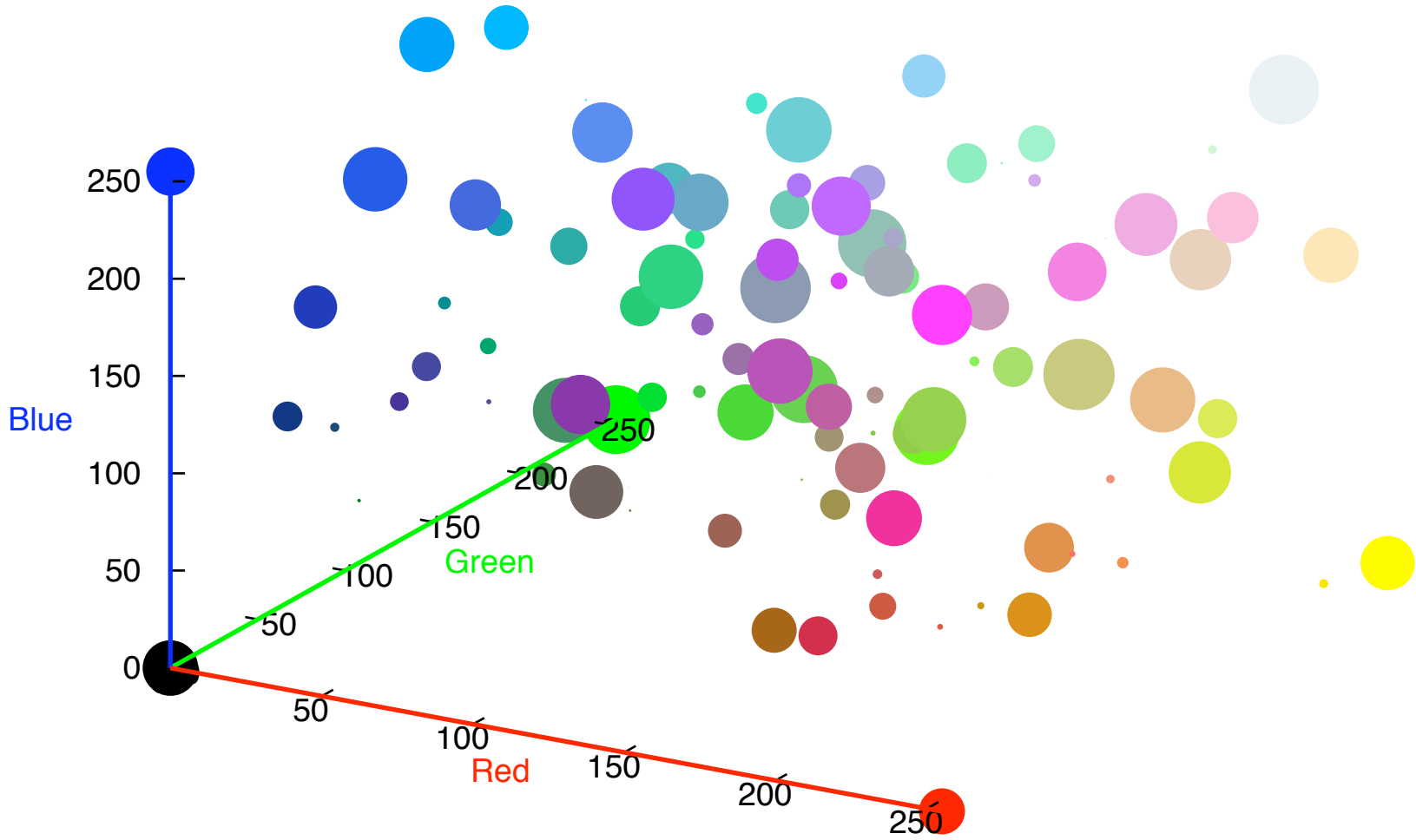


variable pointsize and rgb color computed from coords •

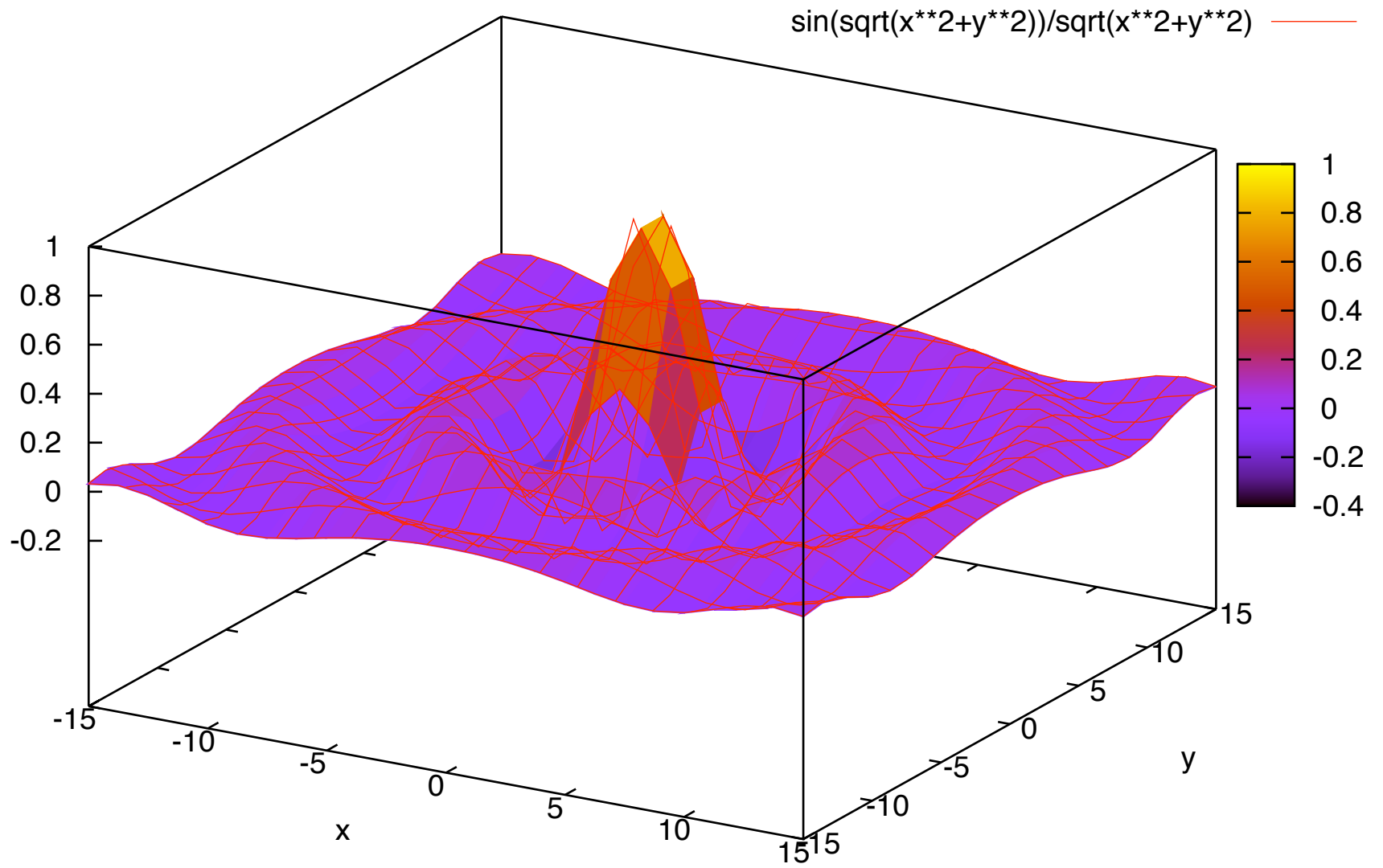


Demo of hidden3d with points only (no surface)

● variable pointsize and rgb color computed from coords

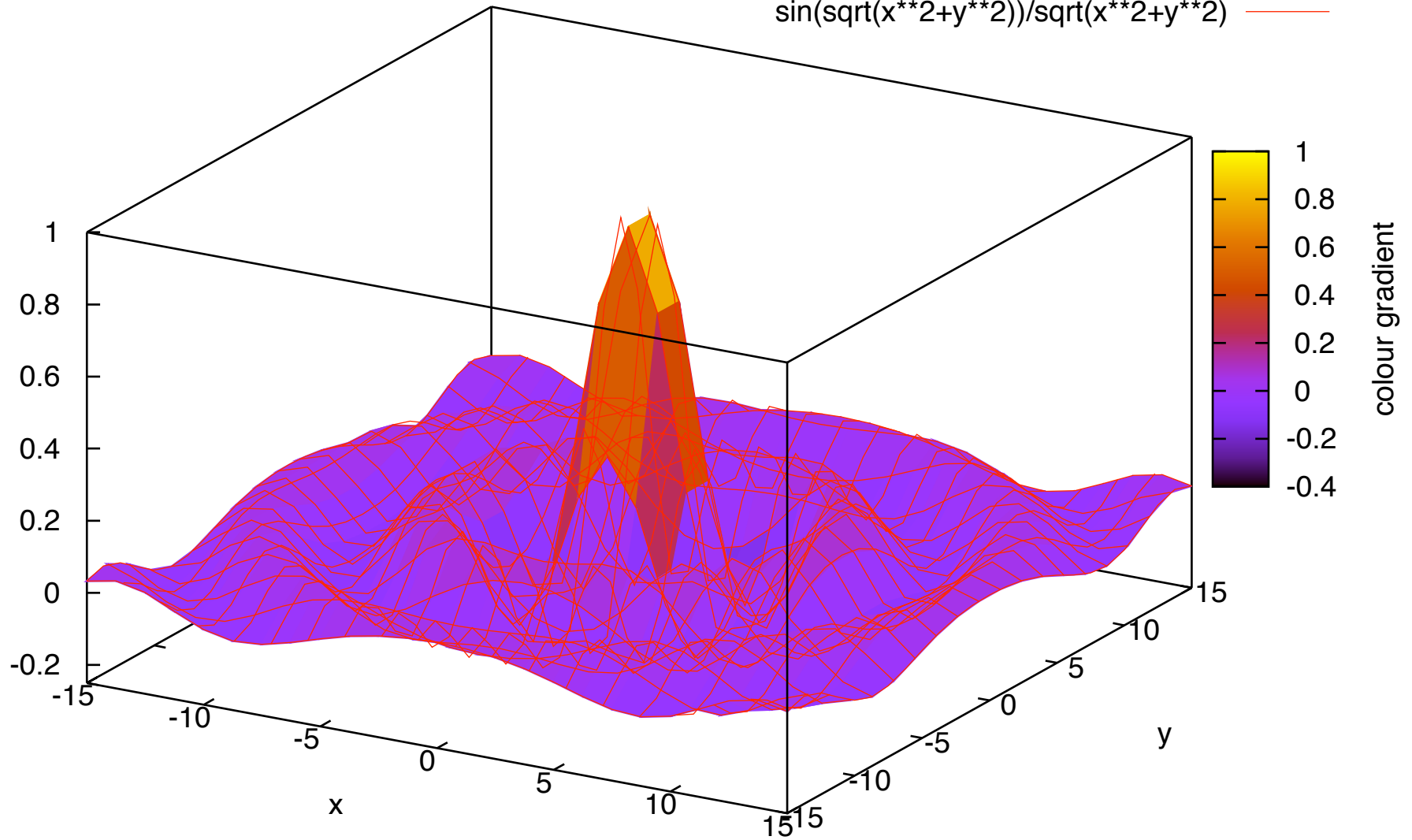


pm3d demo. Radial sinc function. Default options.



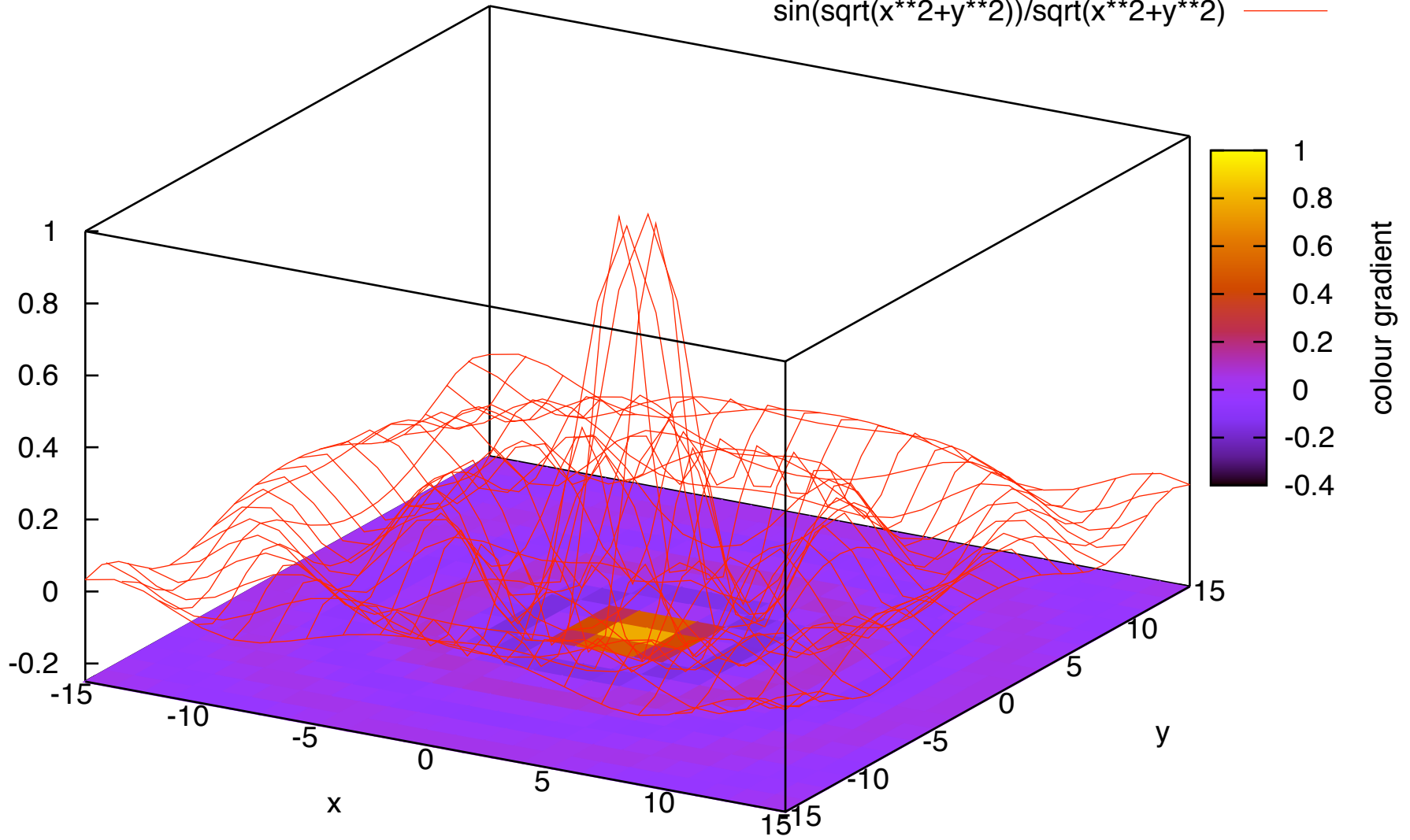
pm3d at s (surface) / ticslevel 0

$$\sin(\sqrt{x^2+y^2})/\sqrt{x^2+y^2}$$

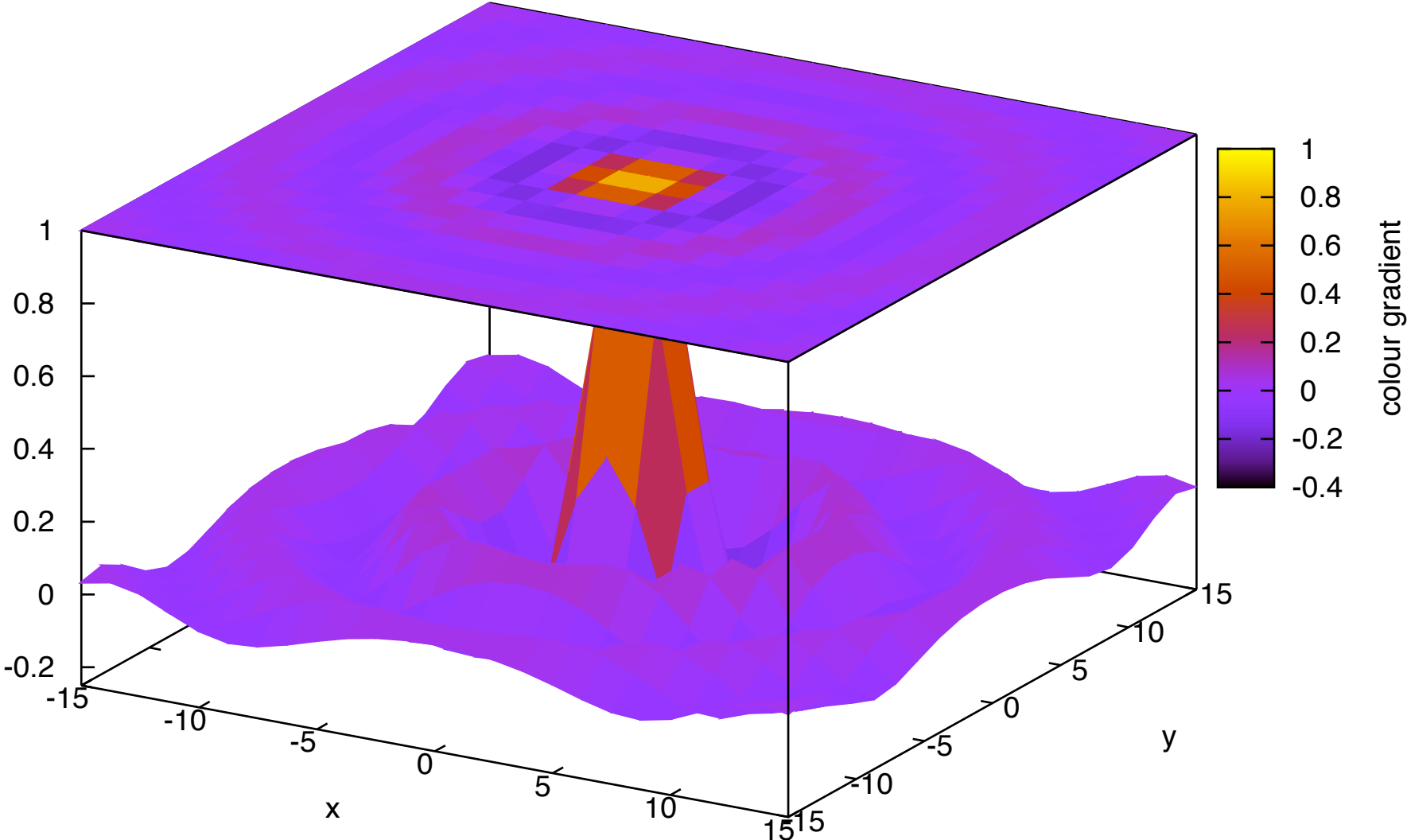


pm3d at b (bottom)

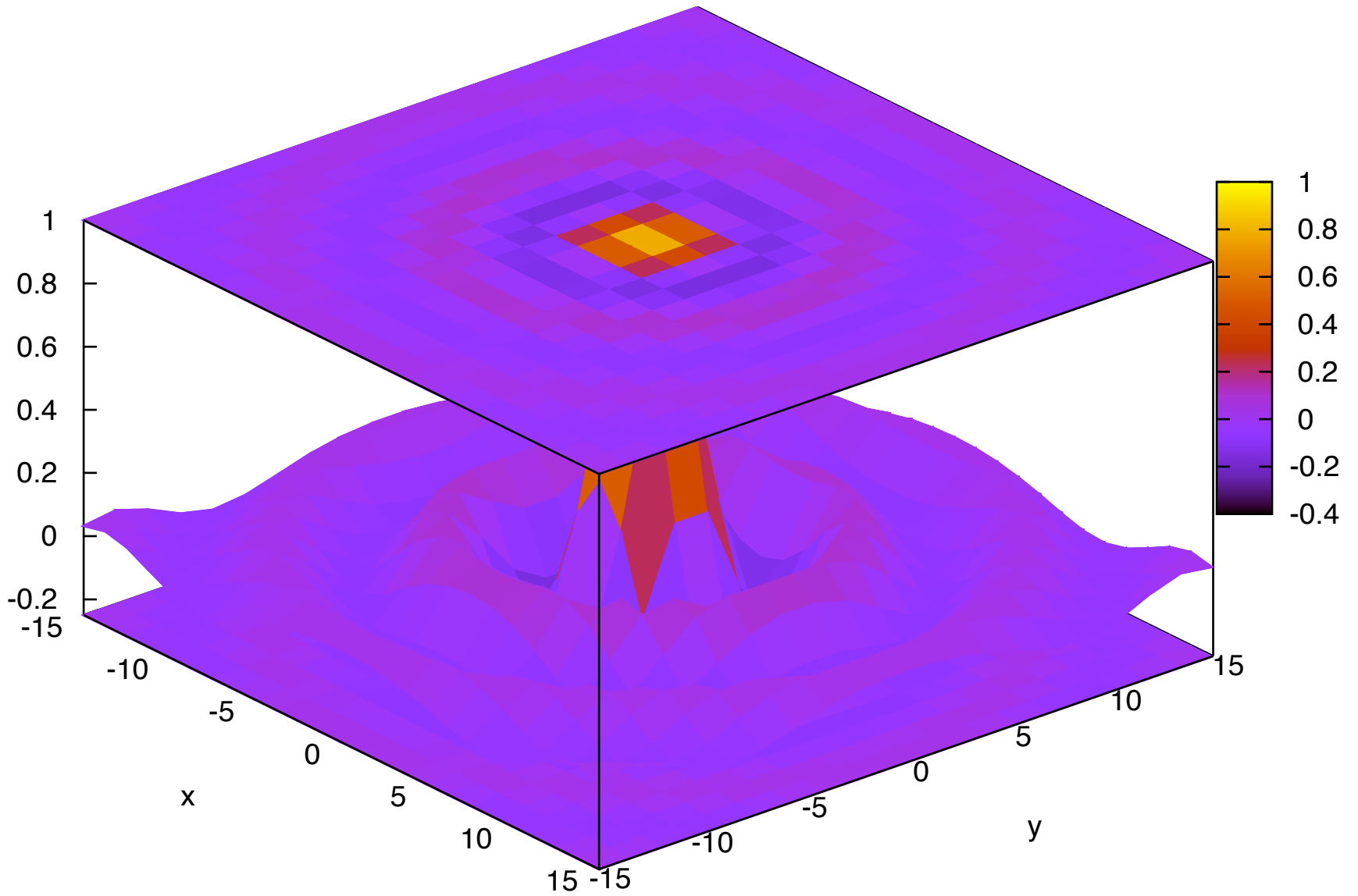
$$\frac{\sin(\sqrt{x^2+y^2})}{\sqrt{x^2+y^2}}$$



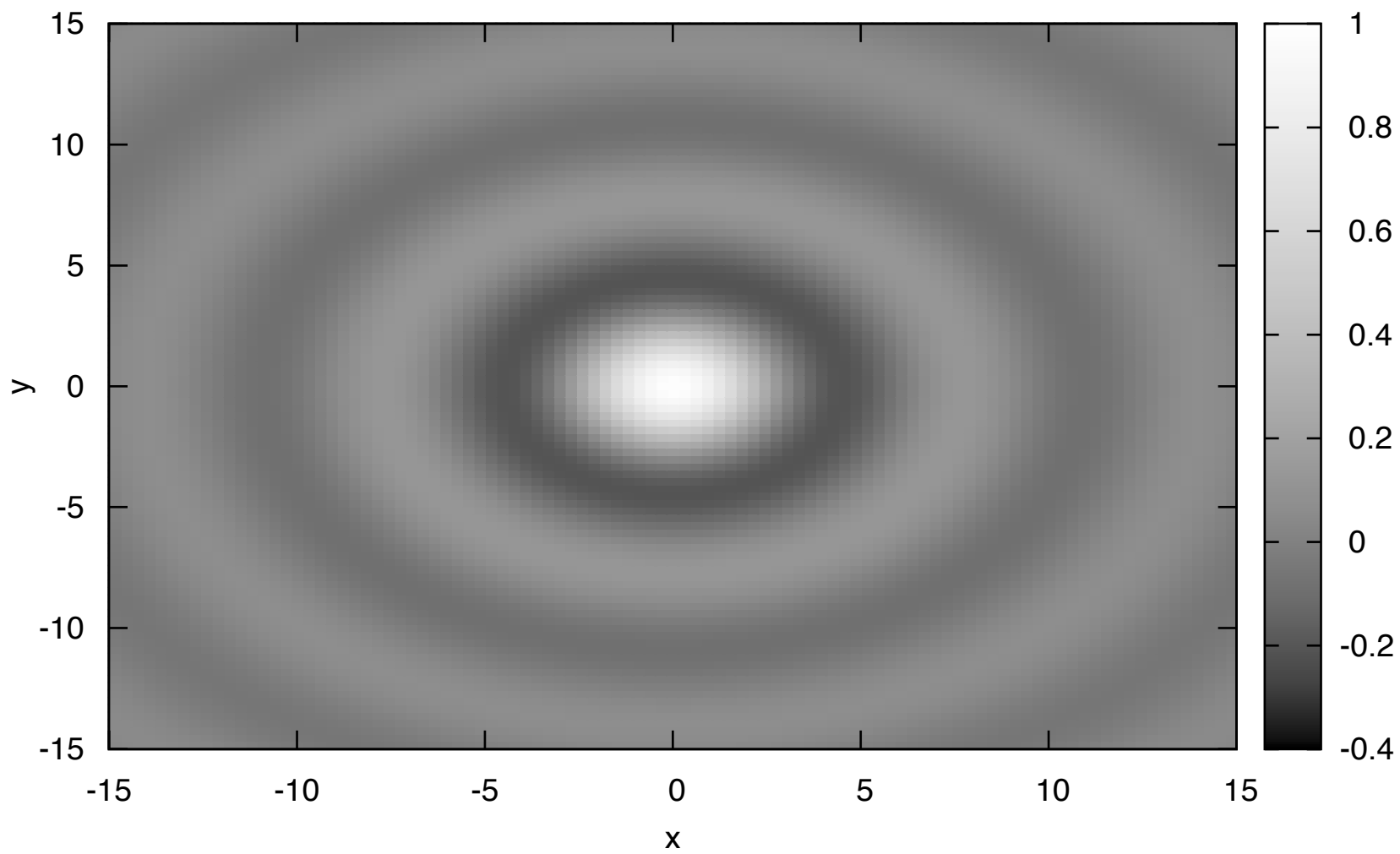
unset surface; set pm3d at st (surface and top)



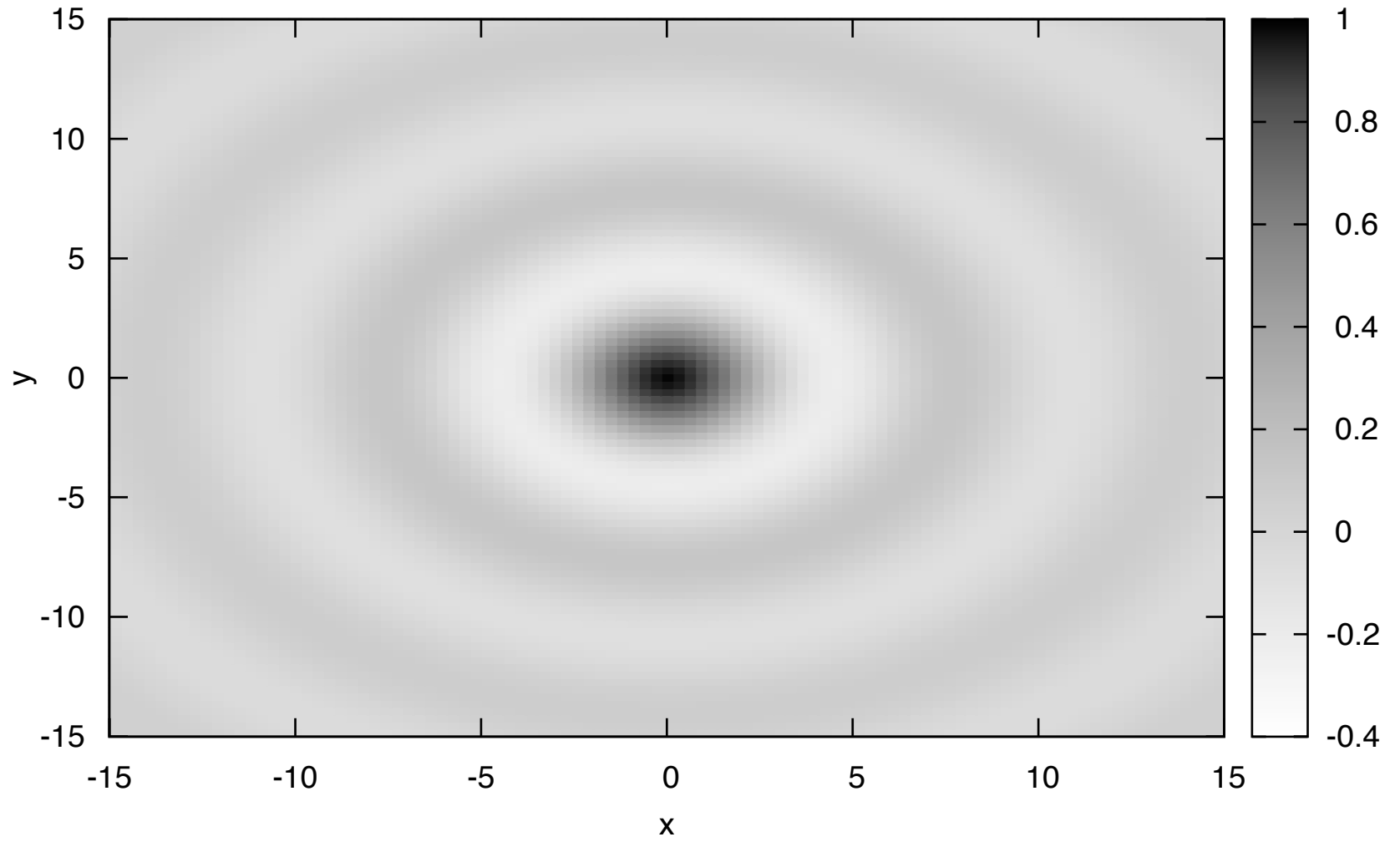
set pm3d at bstbst (funny combination, only for screen or postscript)



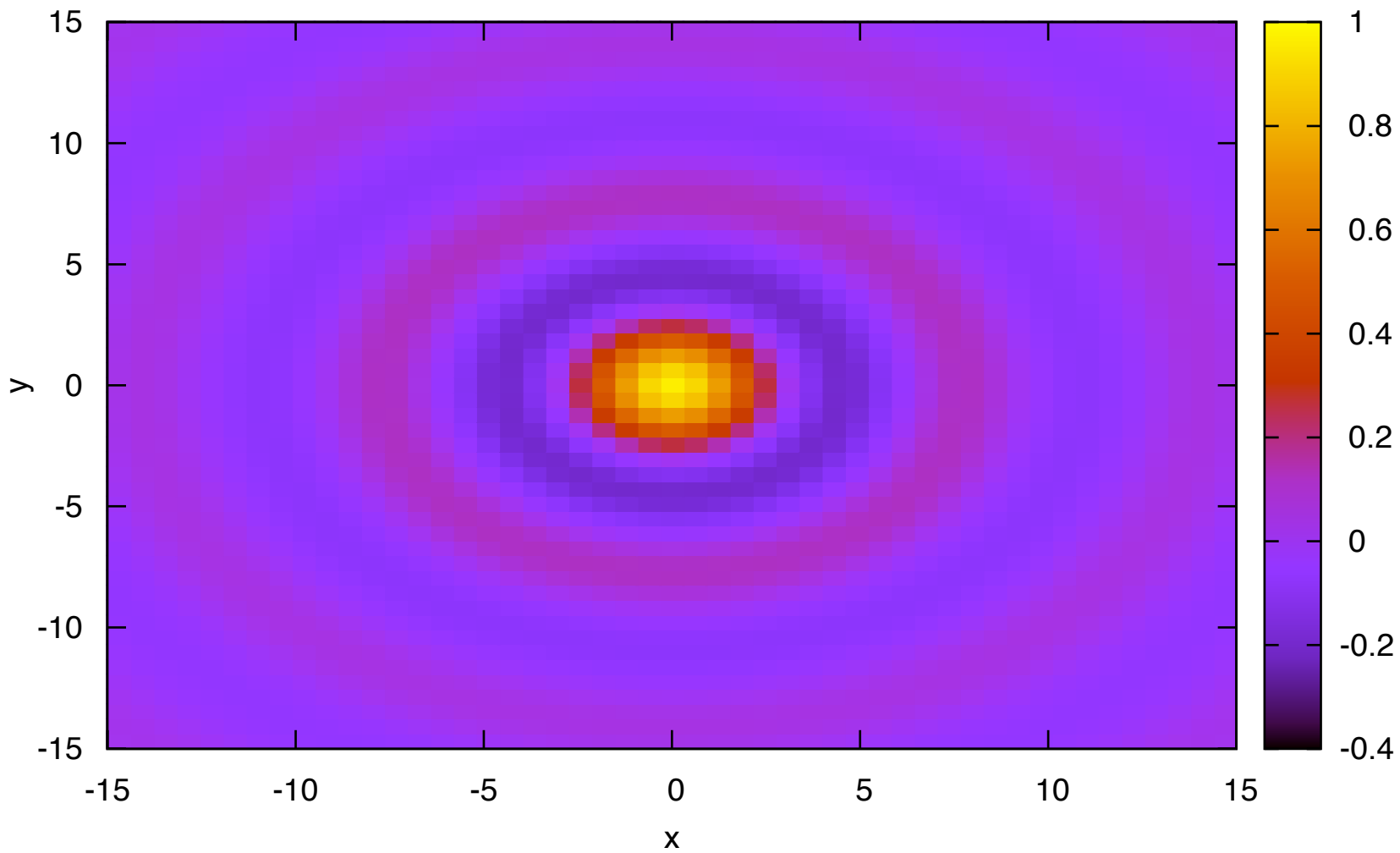
gray map



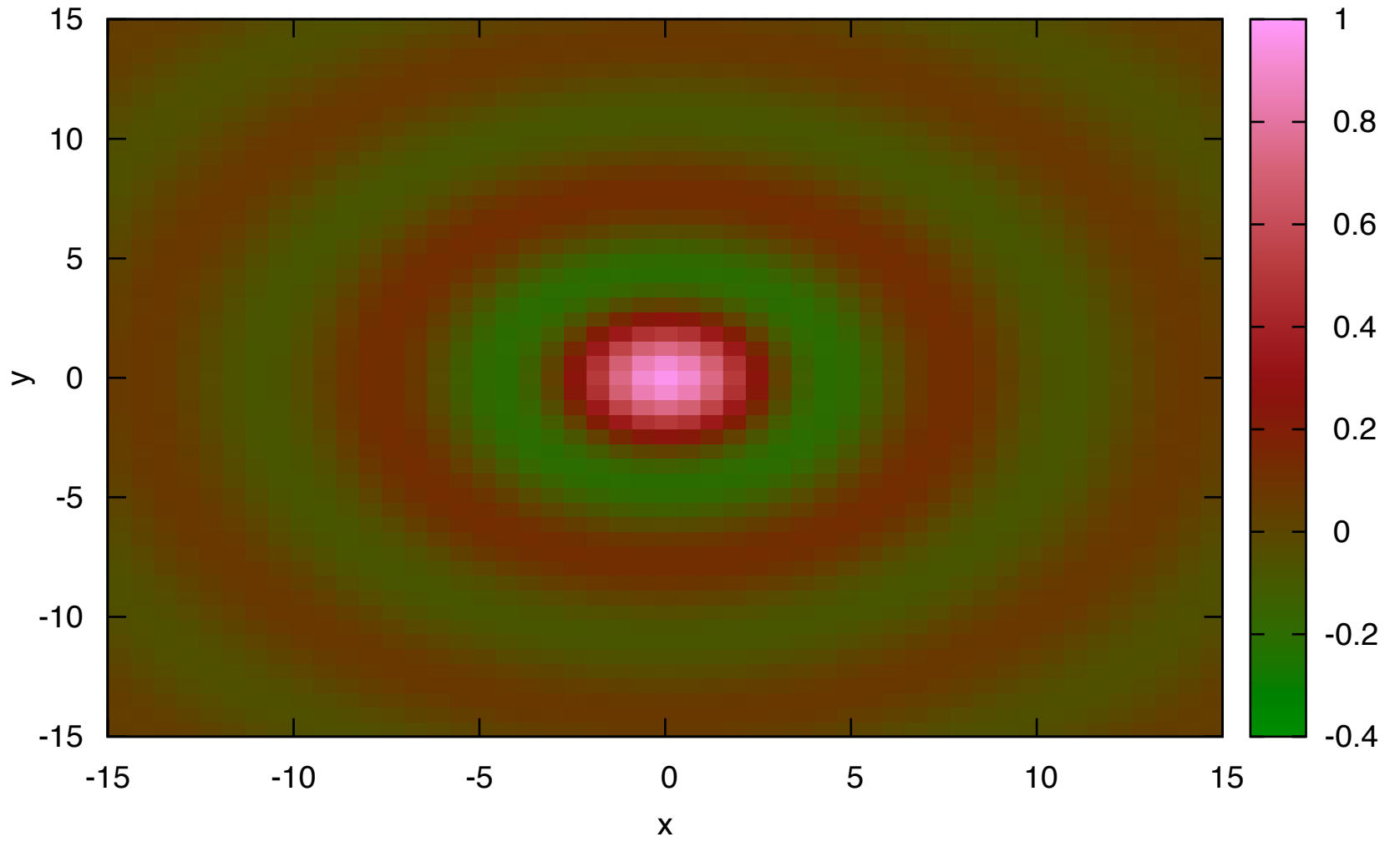
gray map, negative



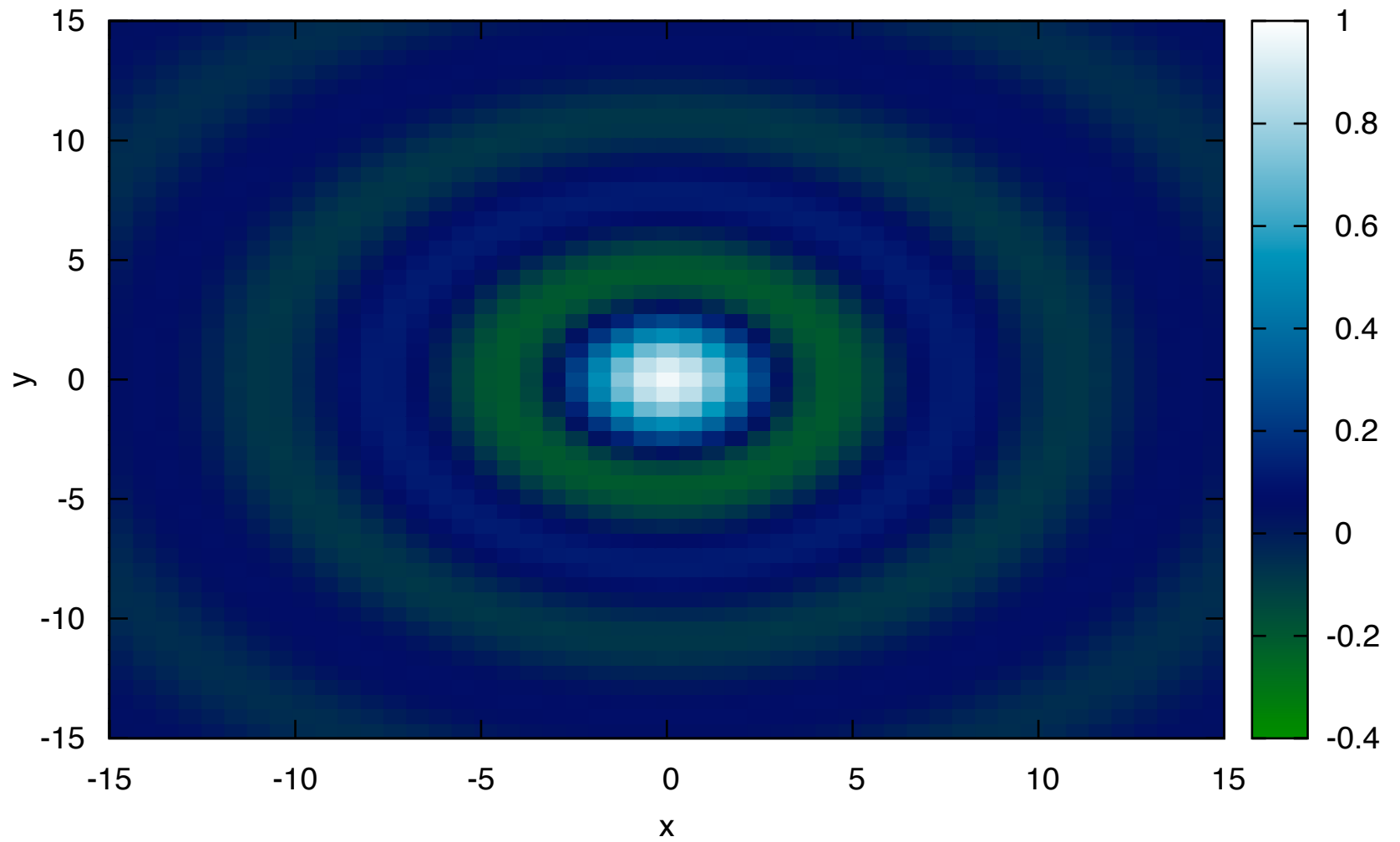
colour map, using default rgbformulae 7,5,15 ... traditional pm3d (black-blue-red-yellow)



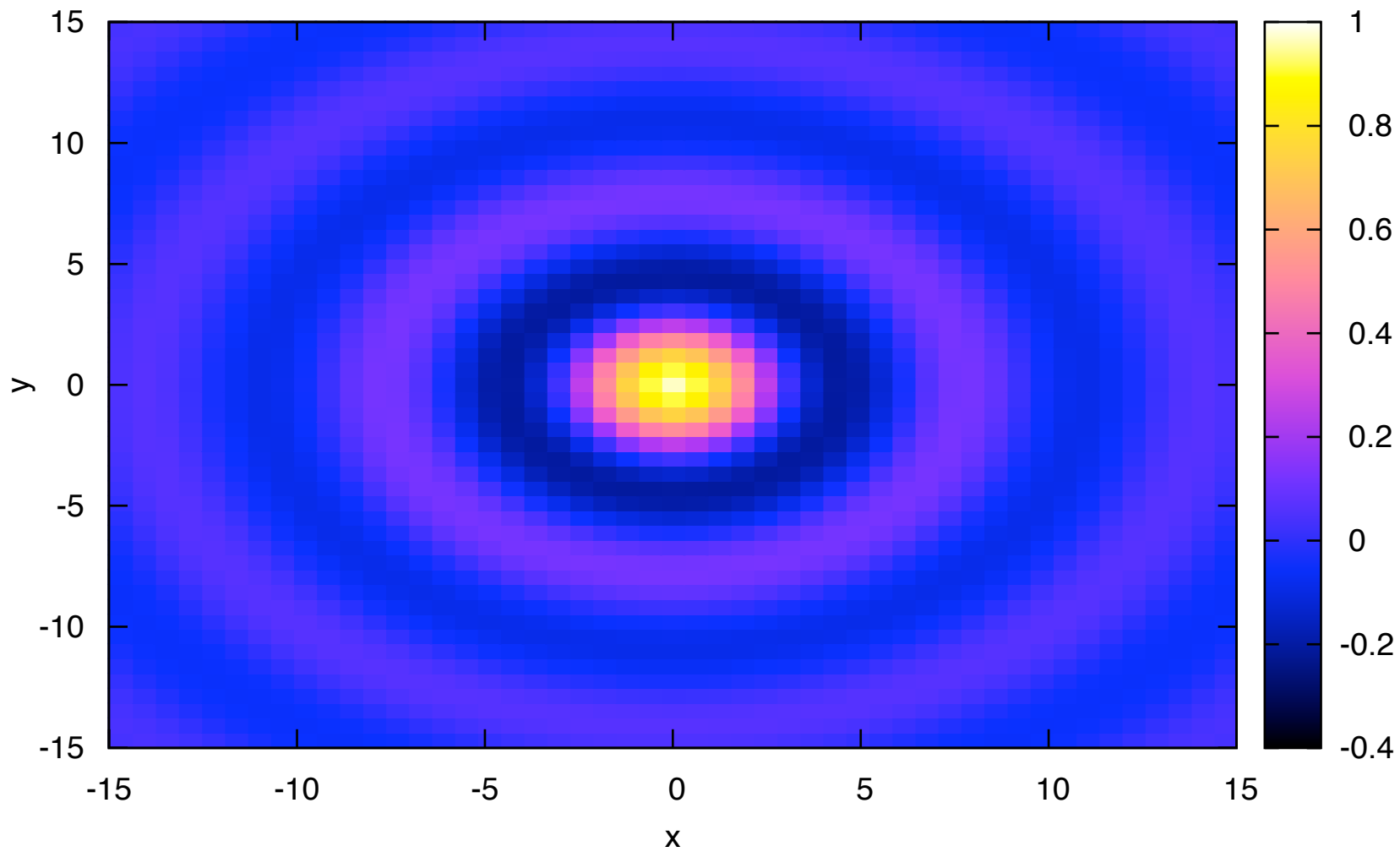
colour, rgbformulae 3,11,6 ... green-red-violet



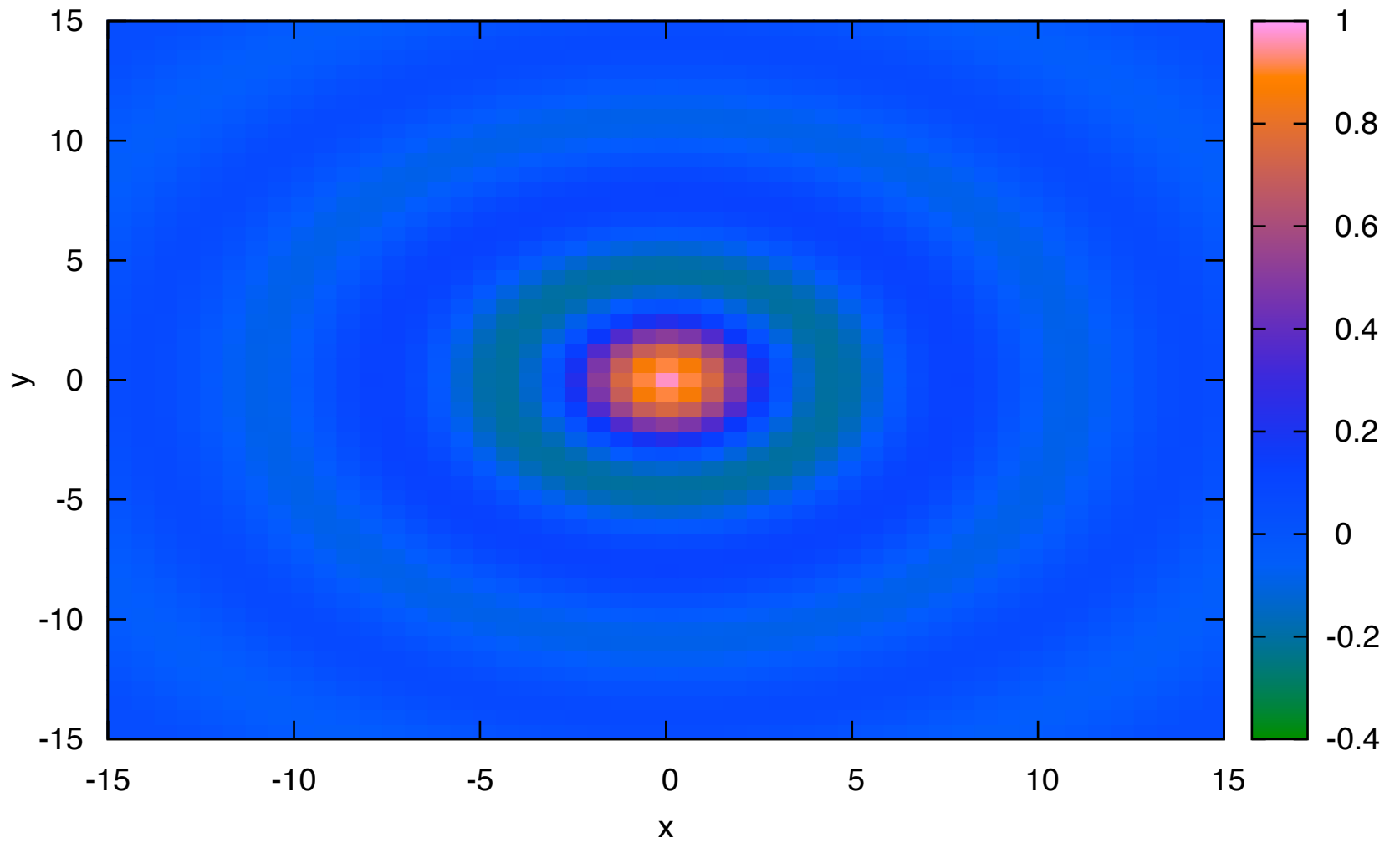
colour, rgbformulae 23,28,3 ... ocean (green-blue-white); OK are also all other permutations



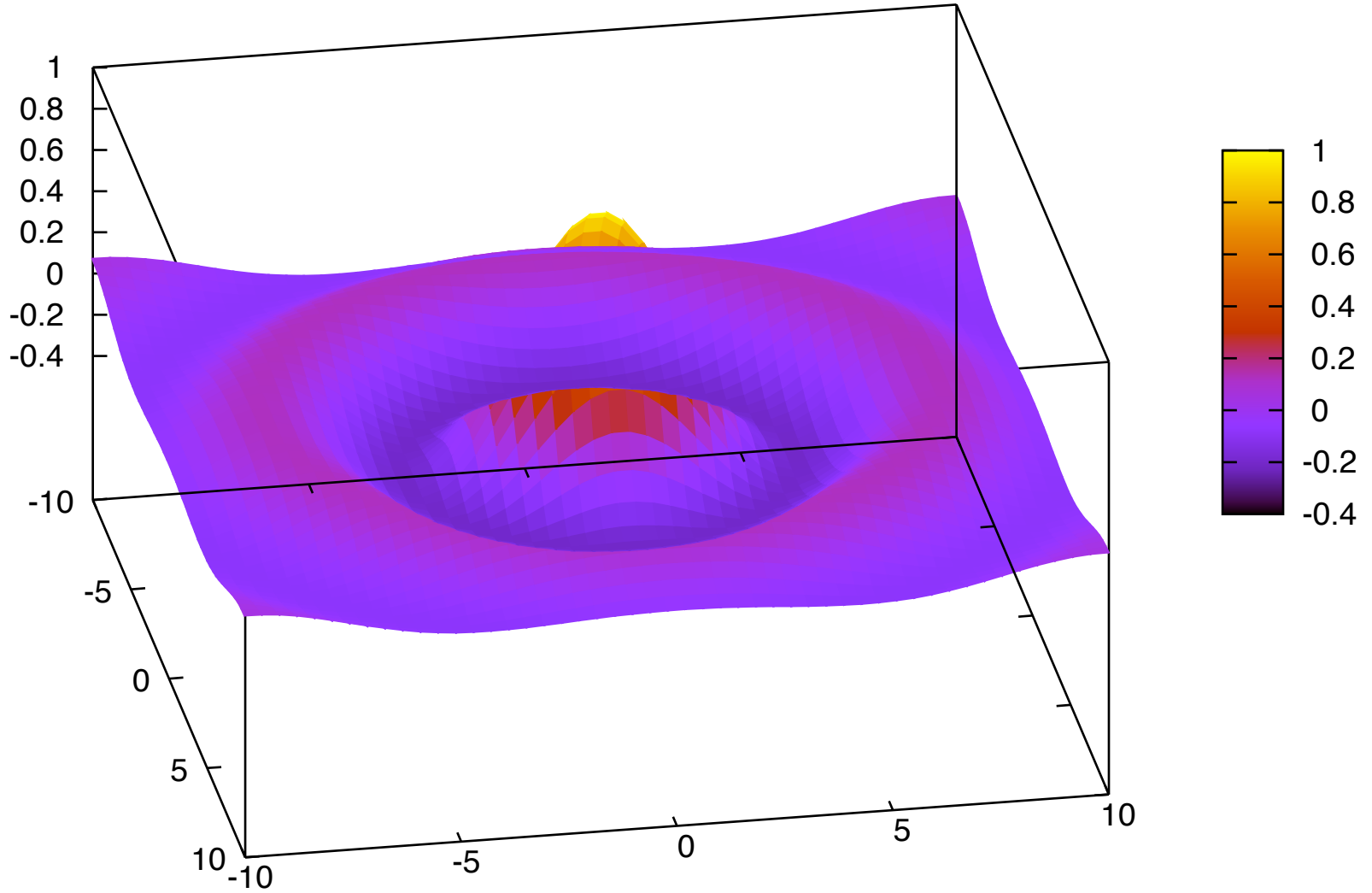
colour, rgbformulae 30,31,32 ... color printable on gray (black-blue-violet-yellow-white)



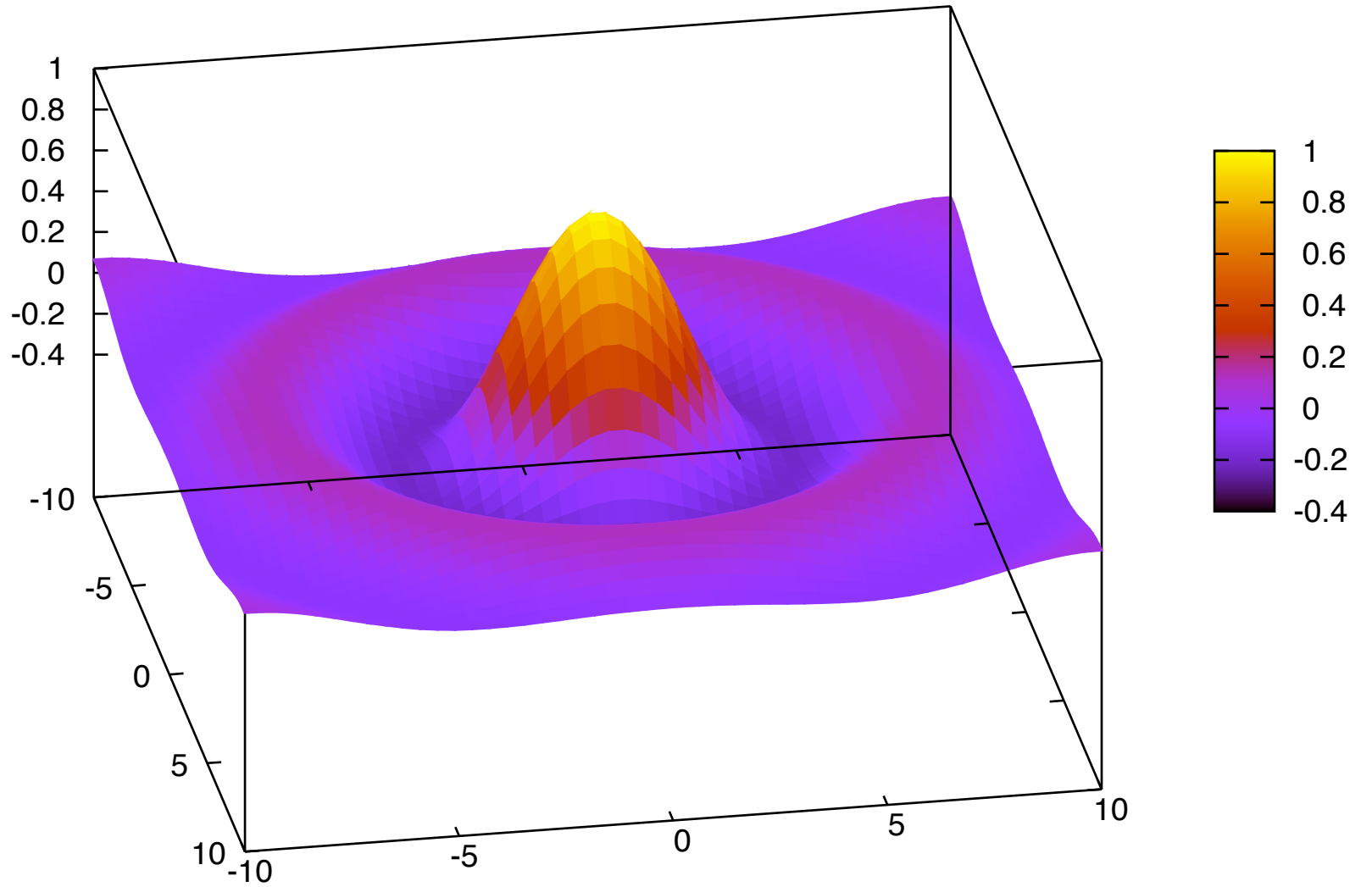
rgbformulae 31,-11,32: negative formula number=inverted color



set pm3d scansforward: wrong, because back overwrites front

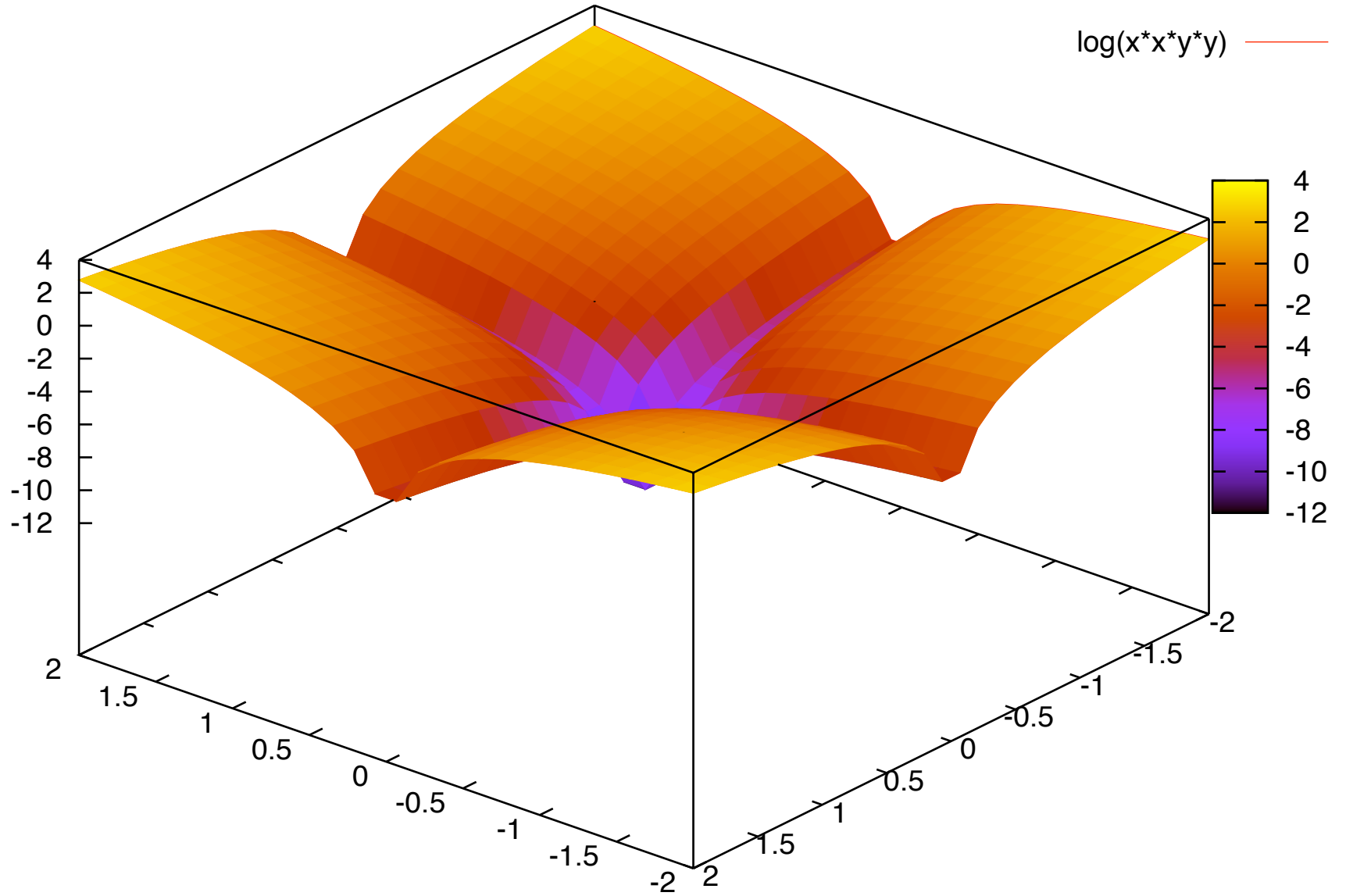


set pm3d scansbackward: correctly looking surface

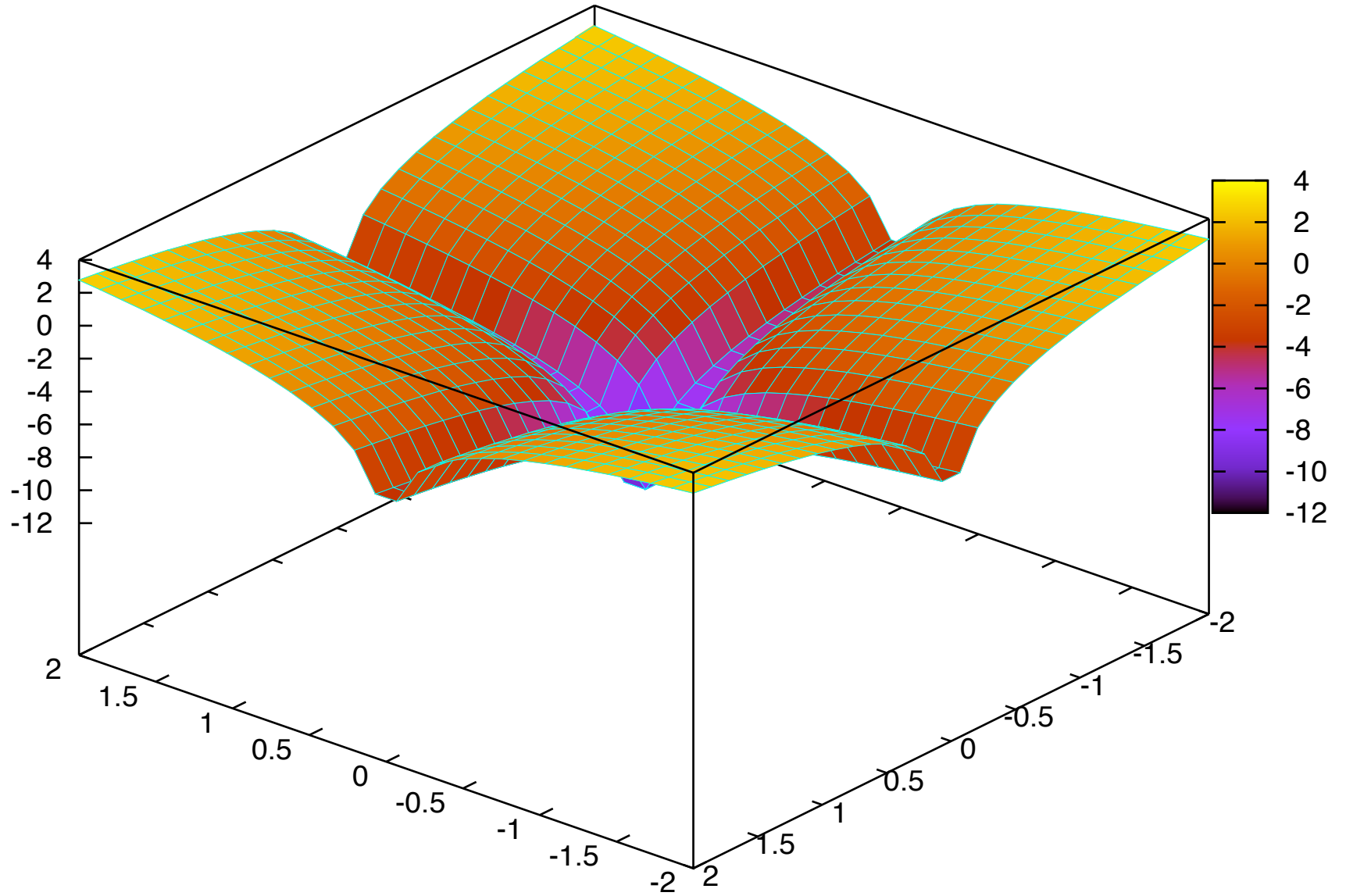


set hidden3d

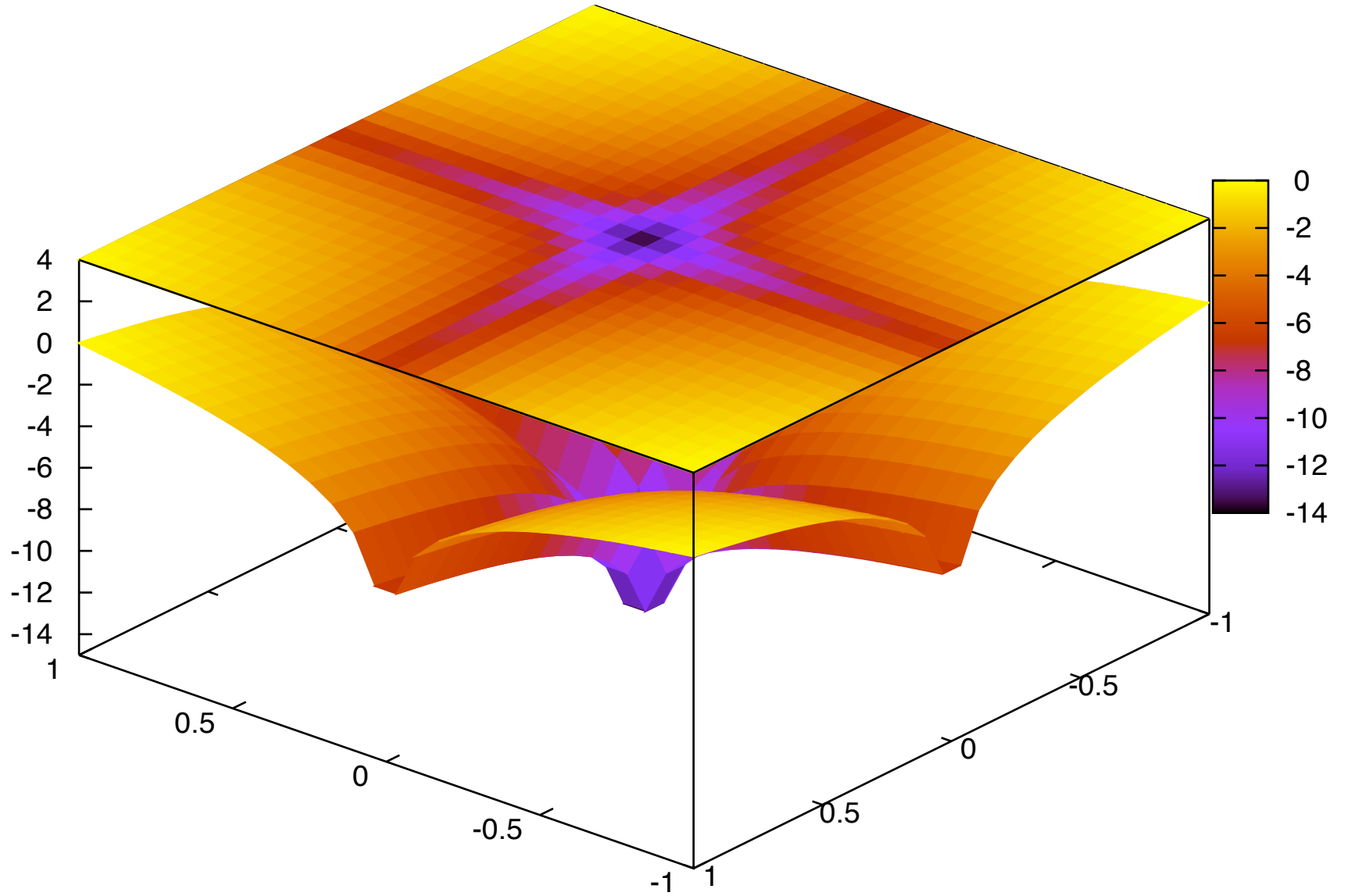
$\log(x*x*y*y)$ ———



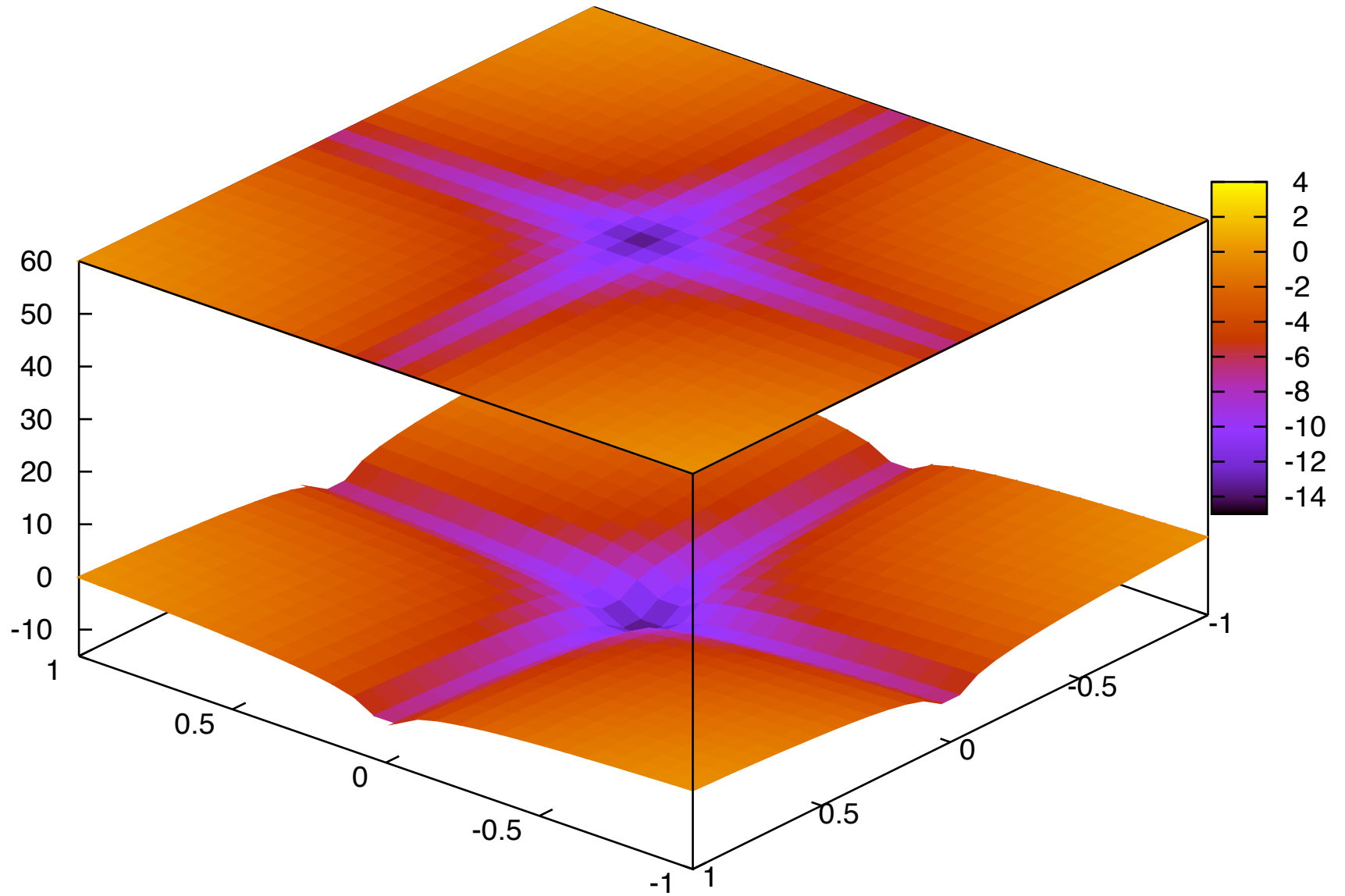
set pm3d hidden3d <linetype>: pm3d's much faster hidden3d variant



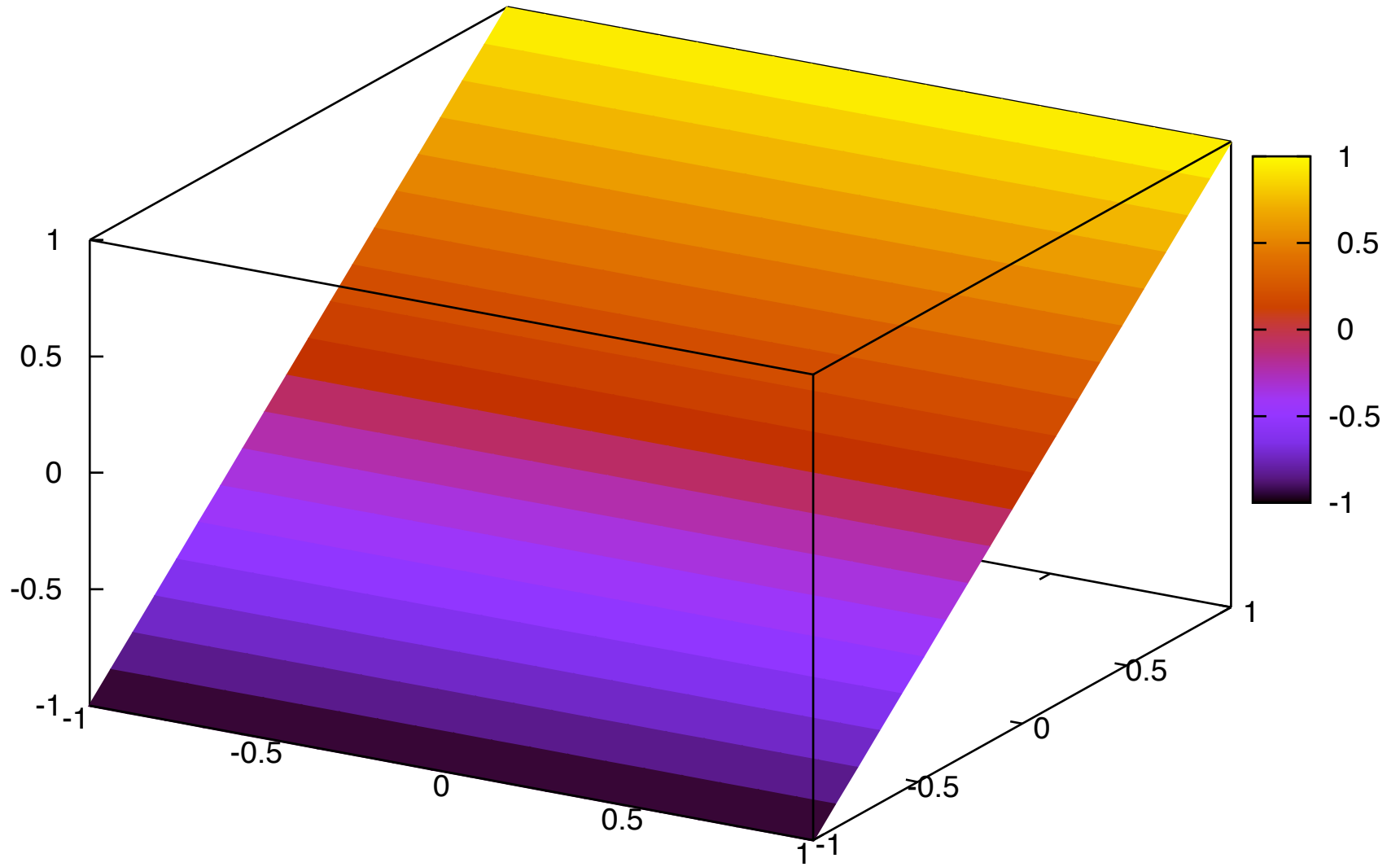
bad: surface and top are too close together



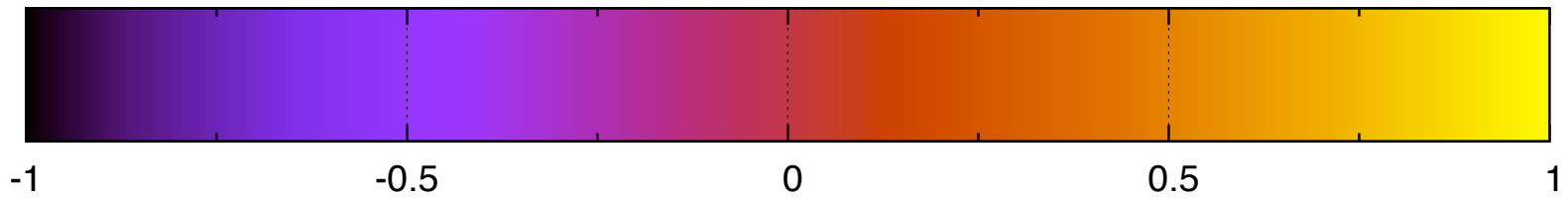
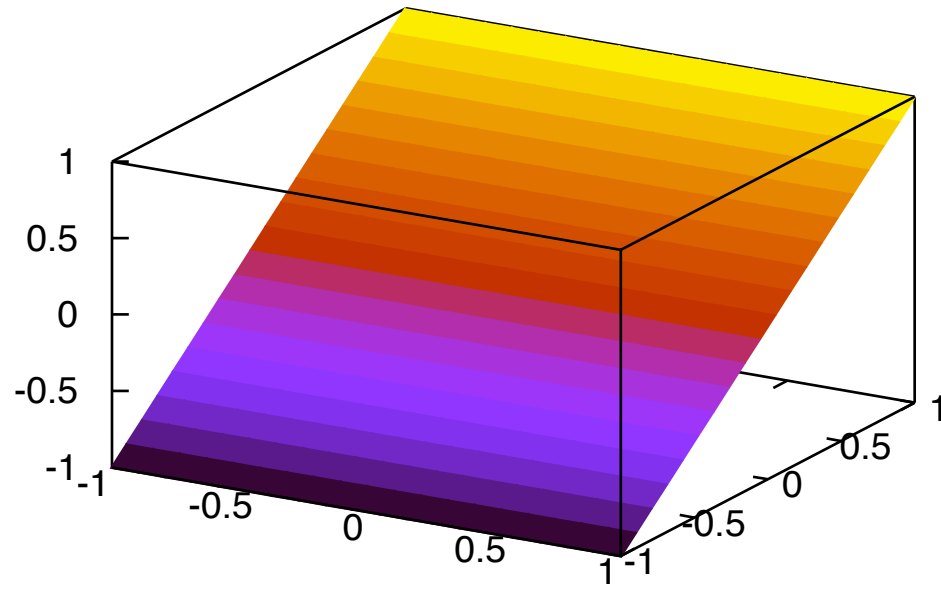
solution: use independent 'set zrange' and 'set cbrange'



color box is on by default at a certain position

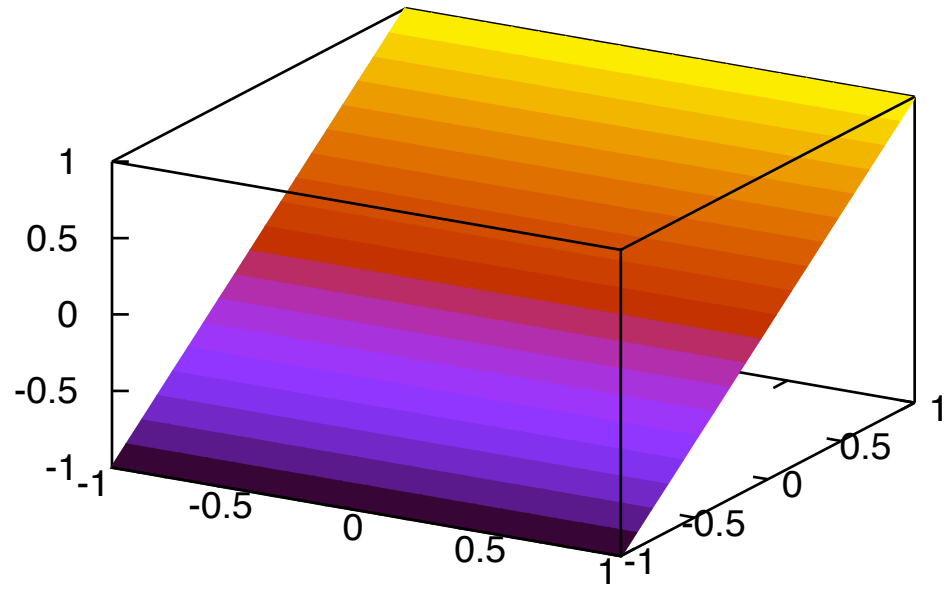


color box is on again, now with horizontal gradient

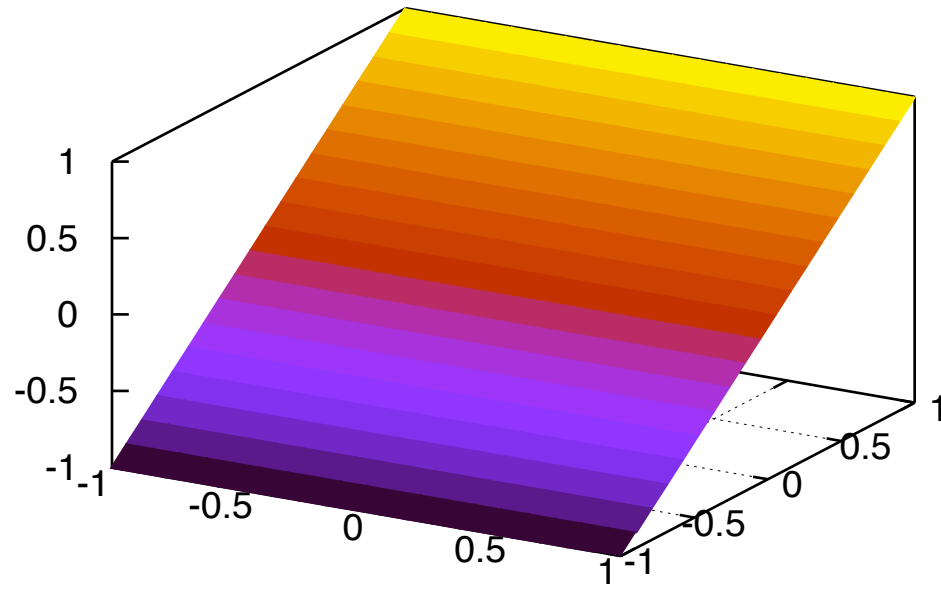


see clabel, grid cb, mcbticks, ...

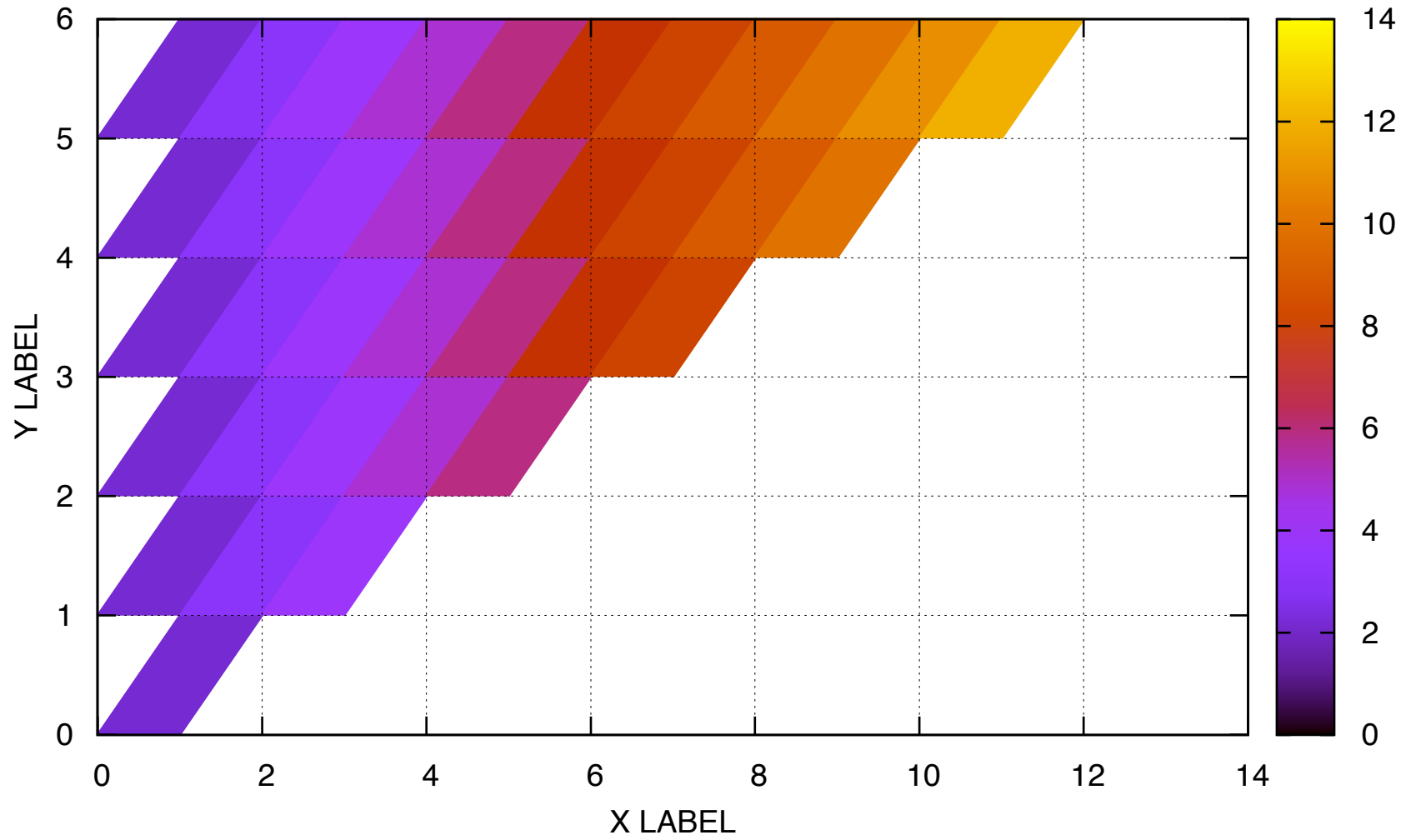
color box is switched off



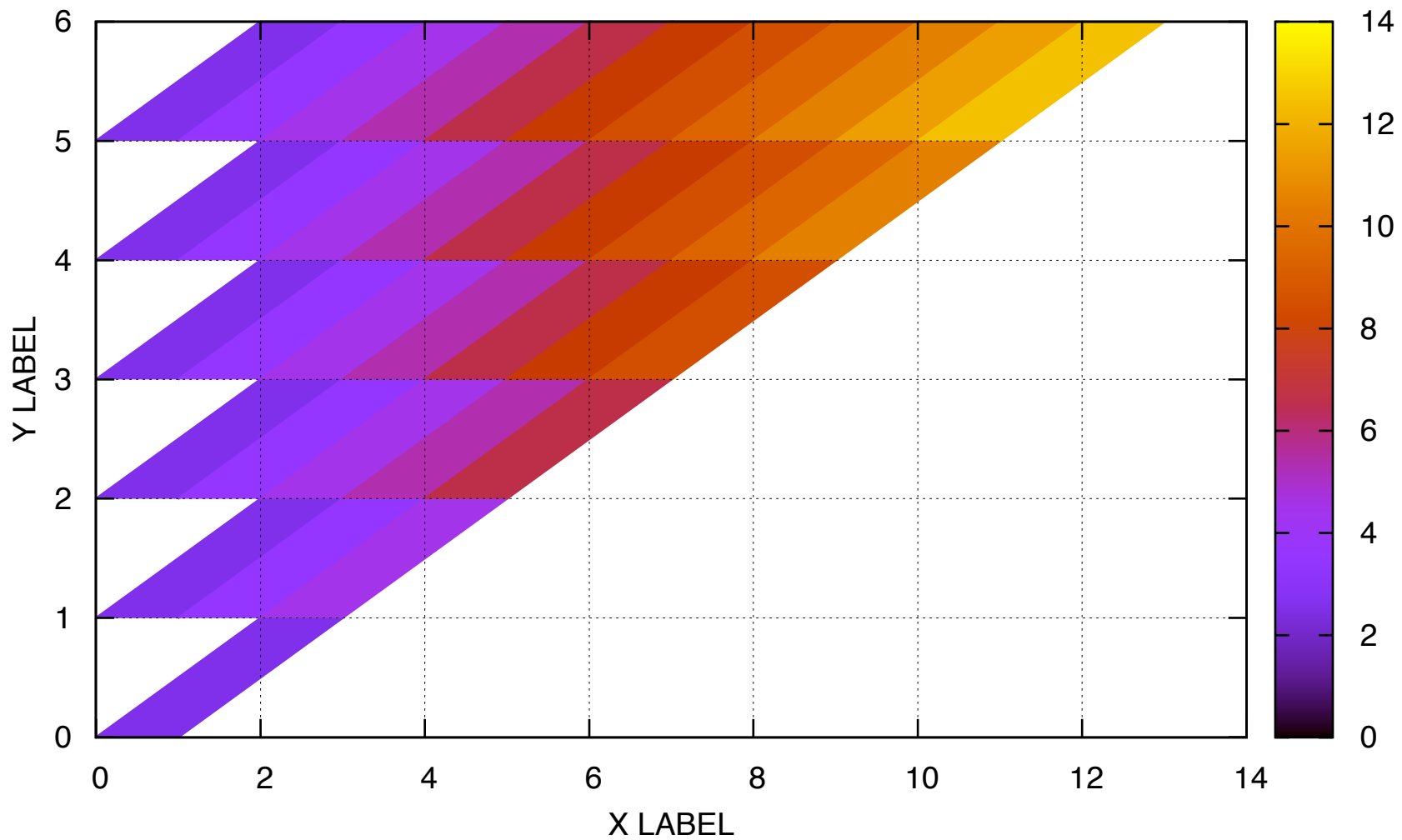
using now "set grid back; unset colorbox"



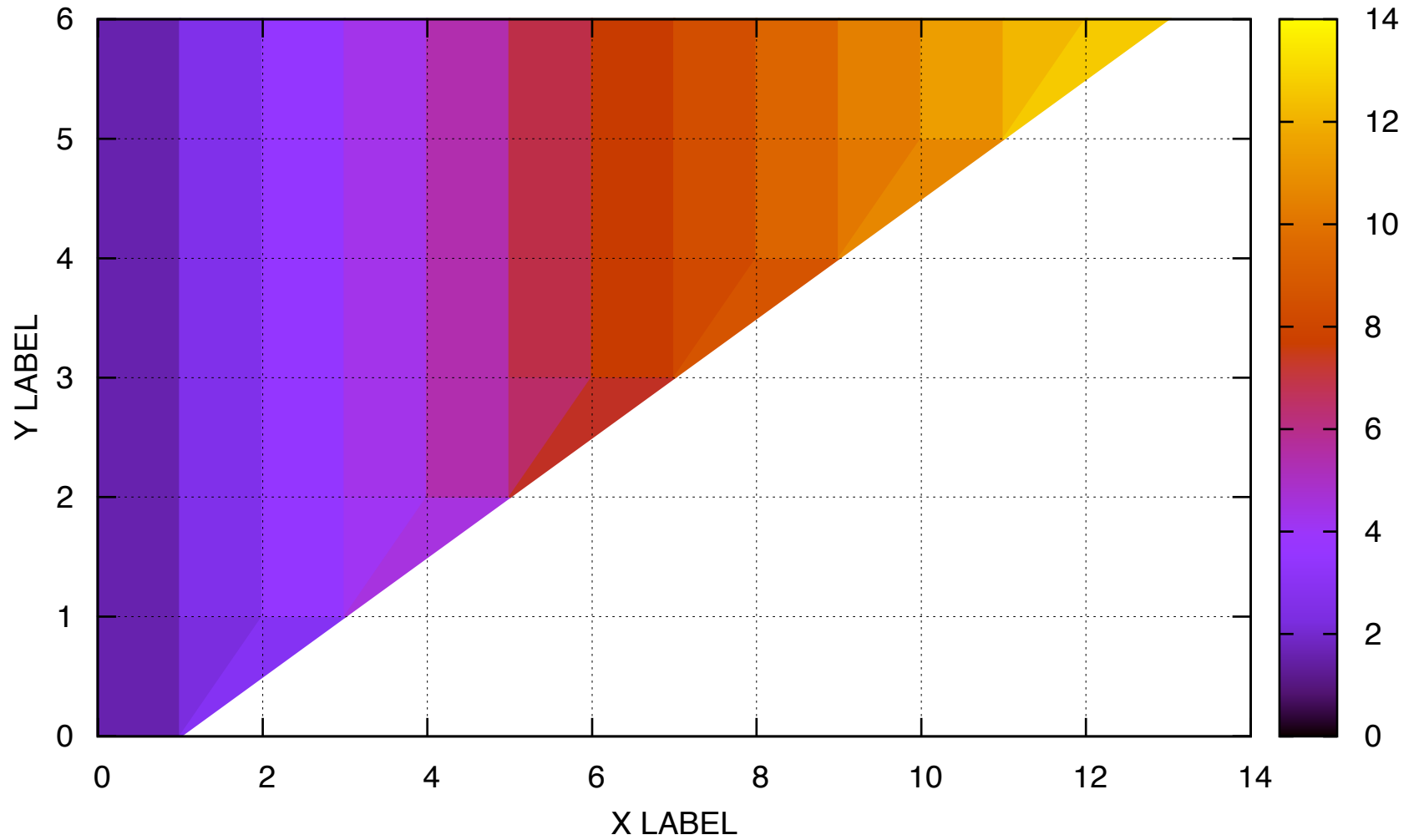
Datafile with different nb of points in scans; pm3d flush center



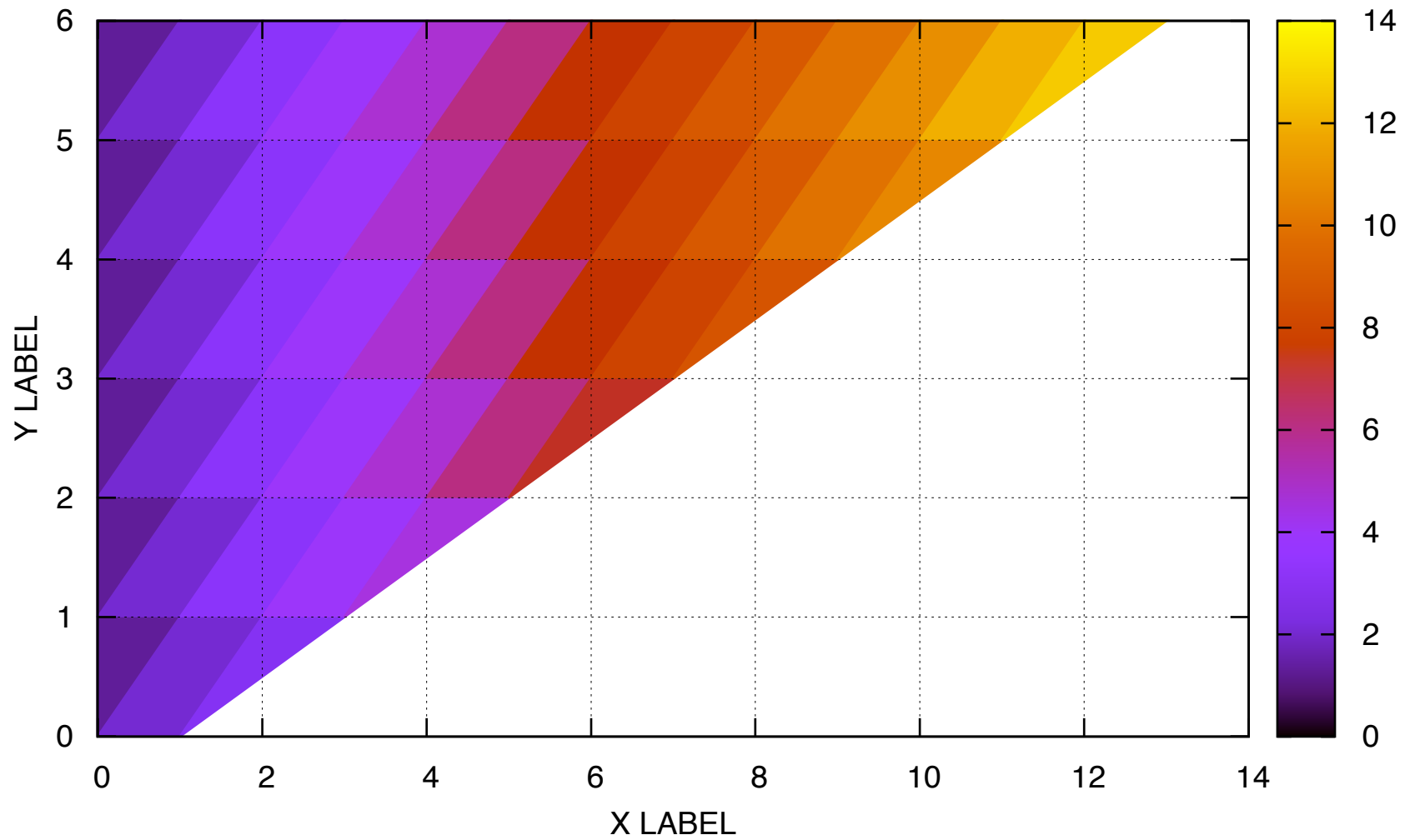
Datafile with different nb of points in scans; pm3d flush end



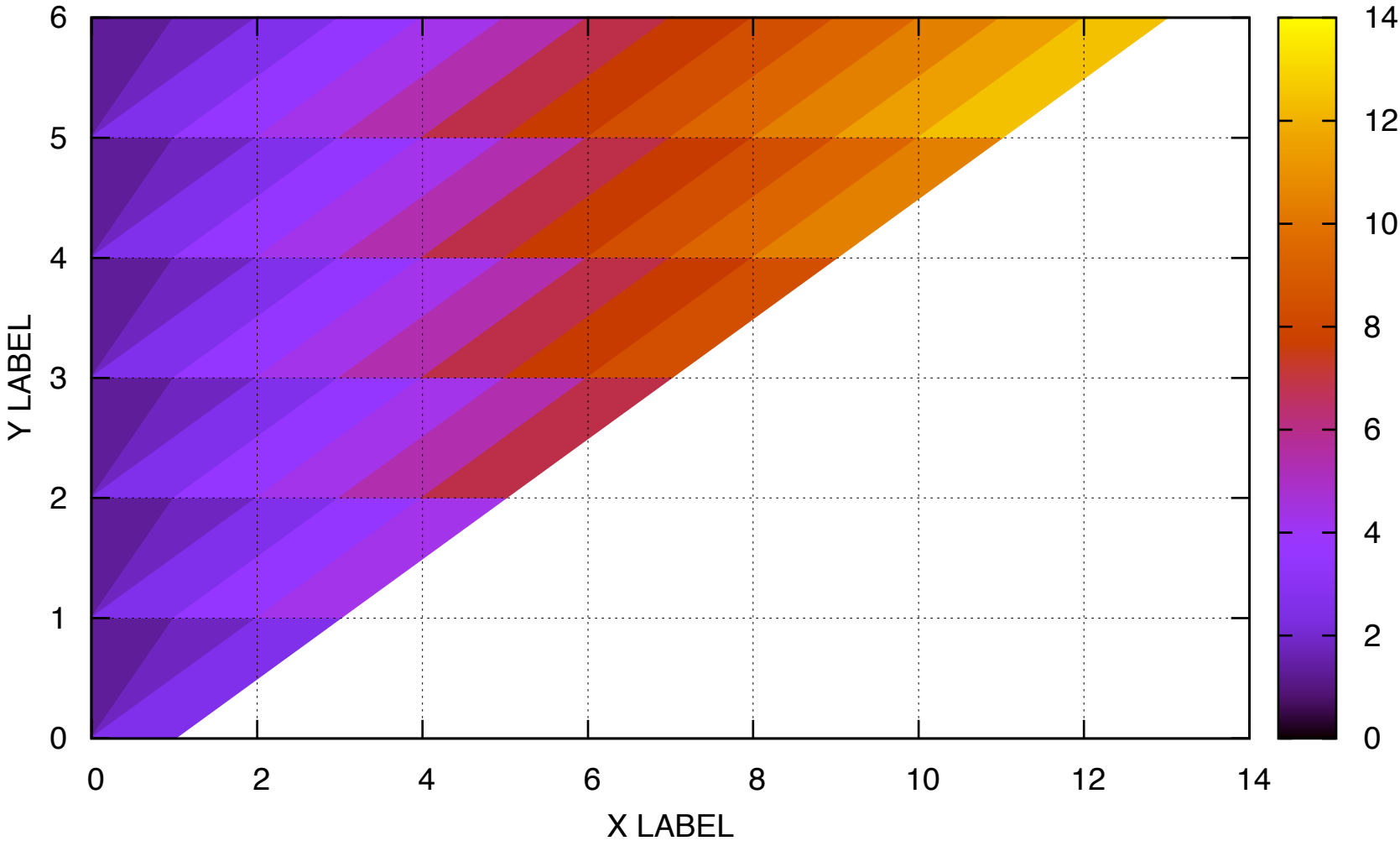
Data with different nb of points in scans; pm3d ftriangles flush begin



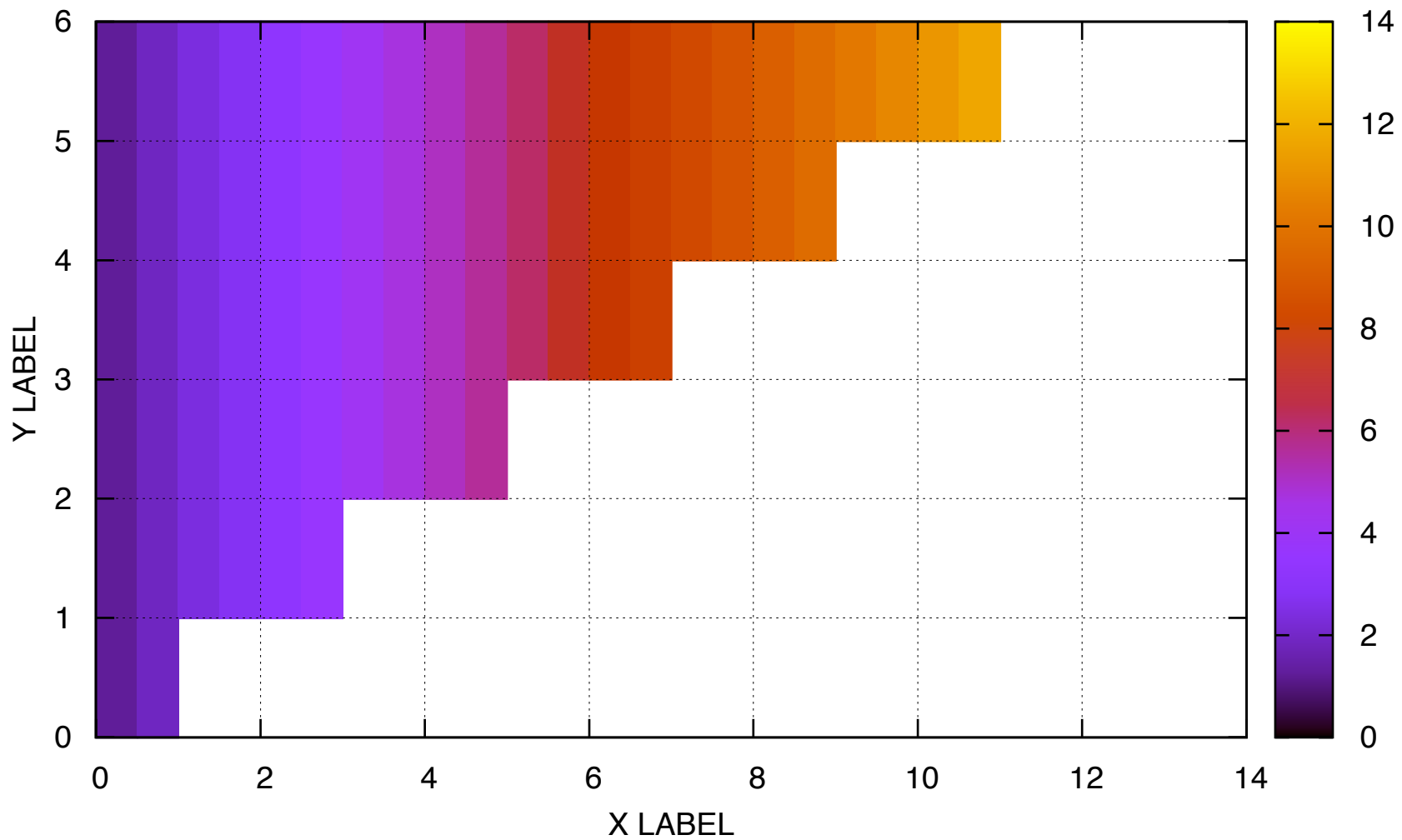
Data with different nb of points in scans; pm3d ftriangles flush center



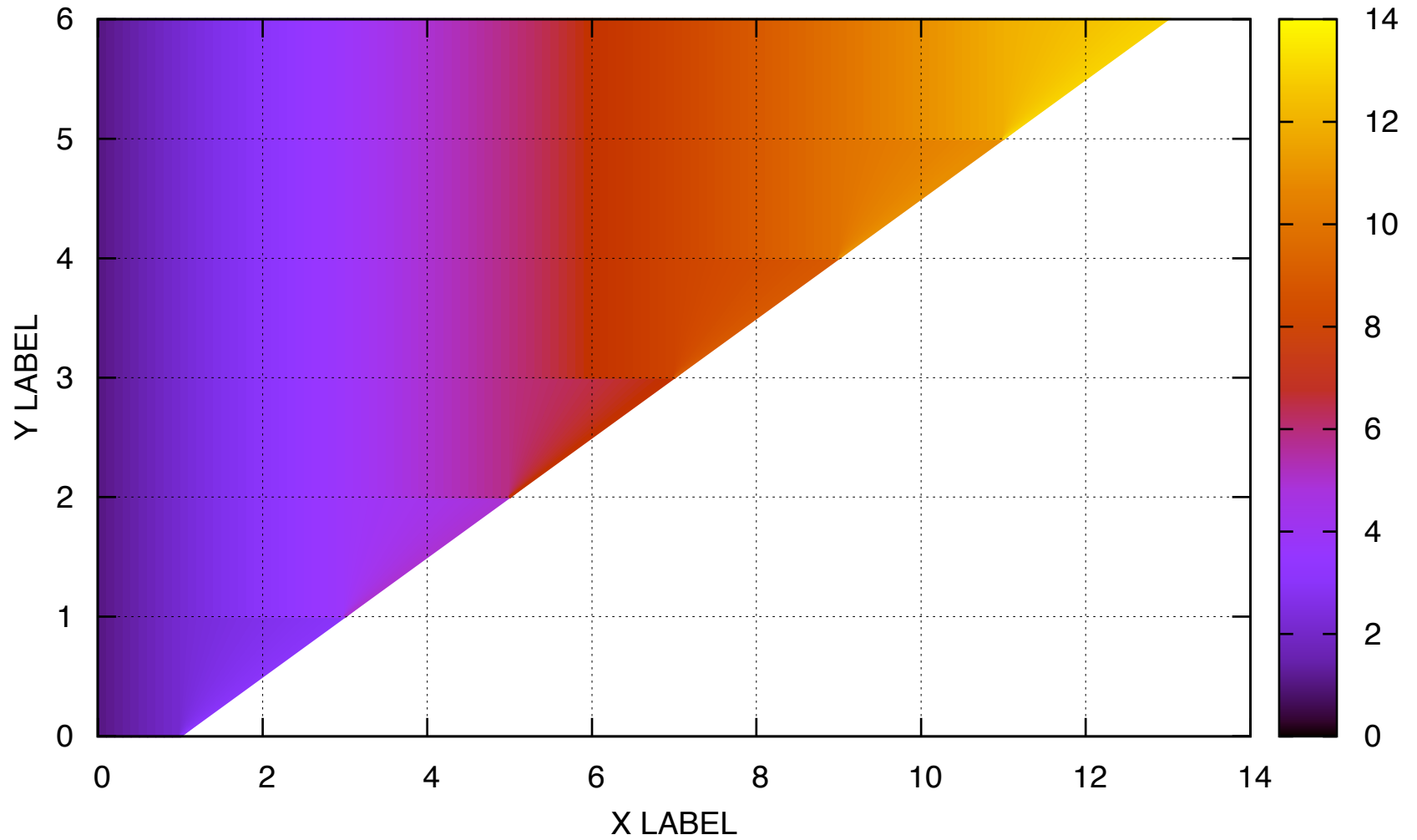
Data with different nb of points in scans; pm3d ftriangles flush end



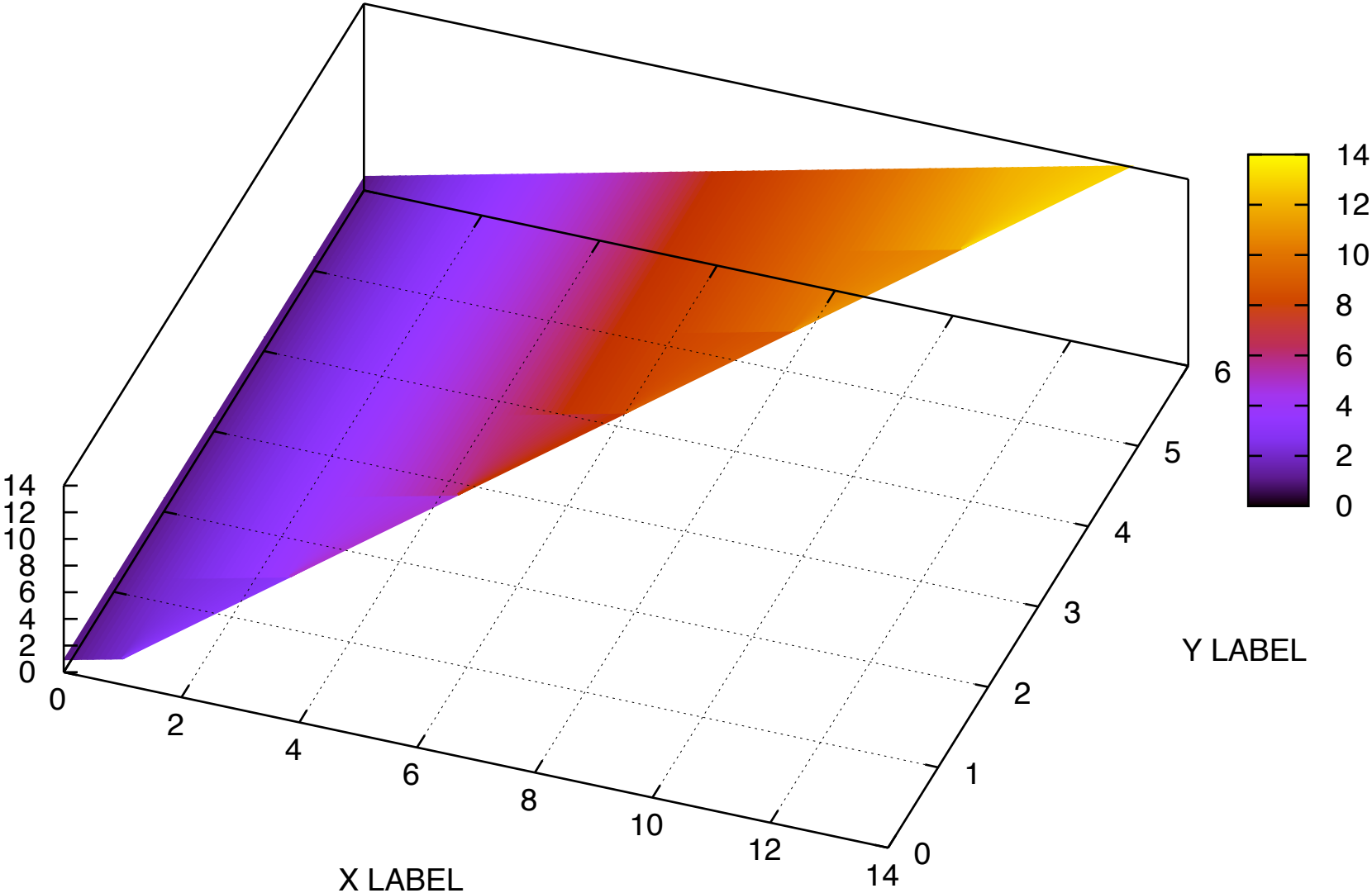
Using interpolation with datafile; pm3d map interpolate 2,1



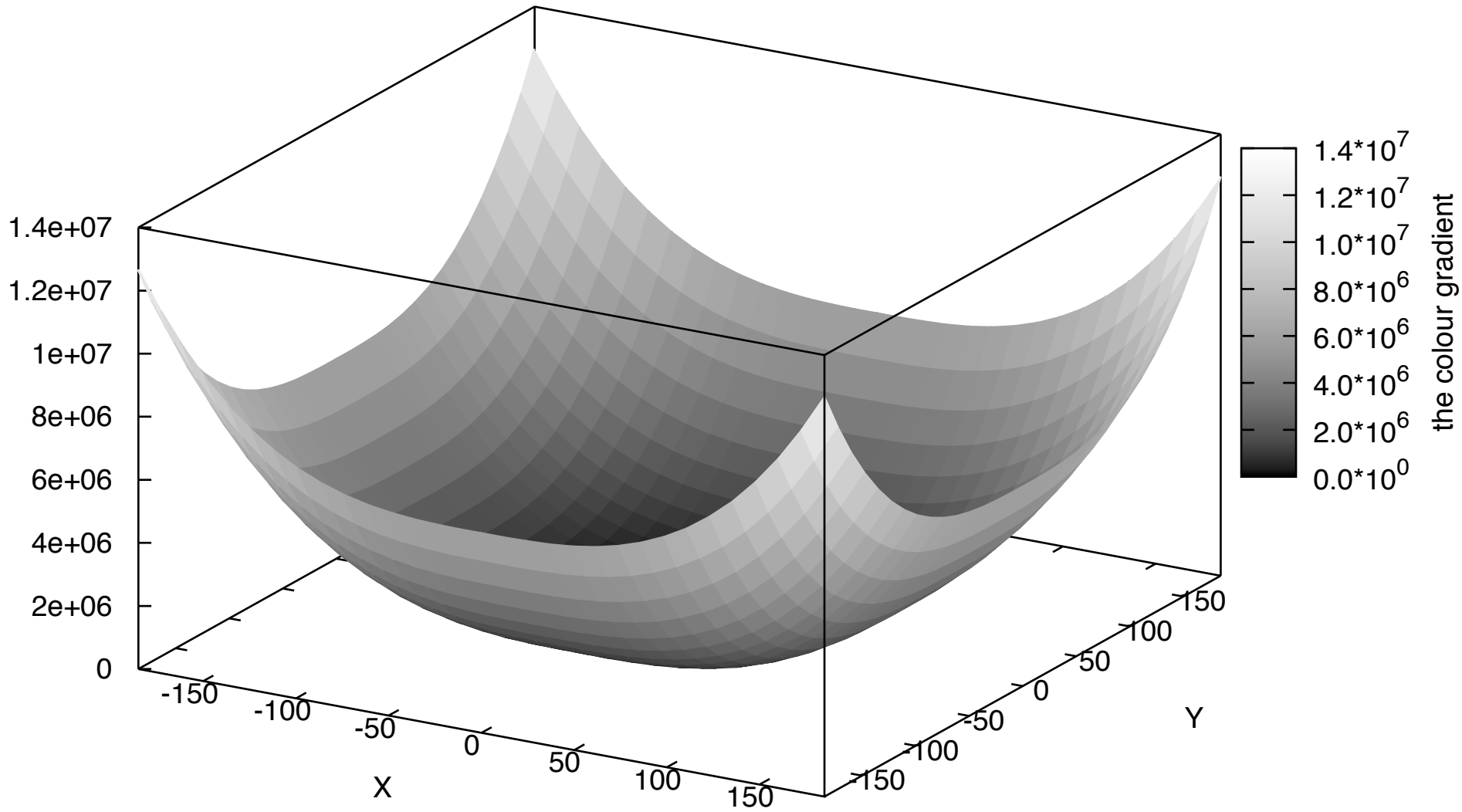
Using interpolation with datafile; pm3d map ftriangles interpolate 10,1



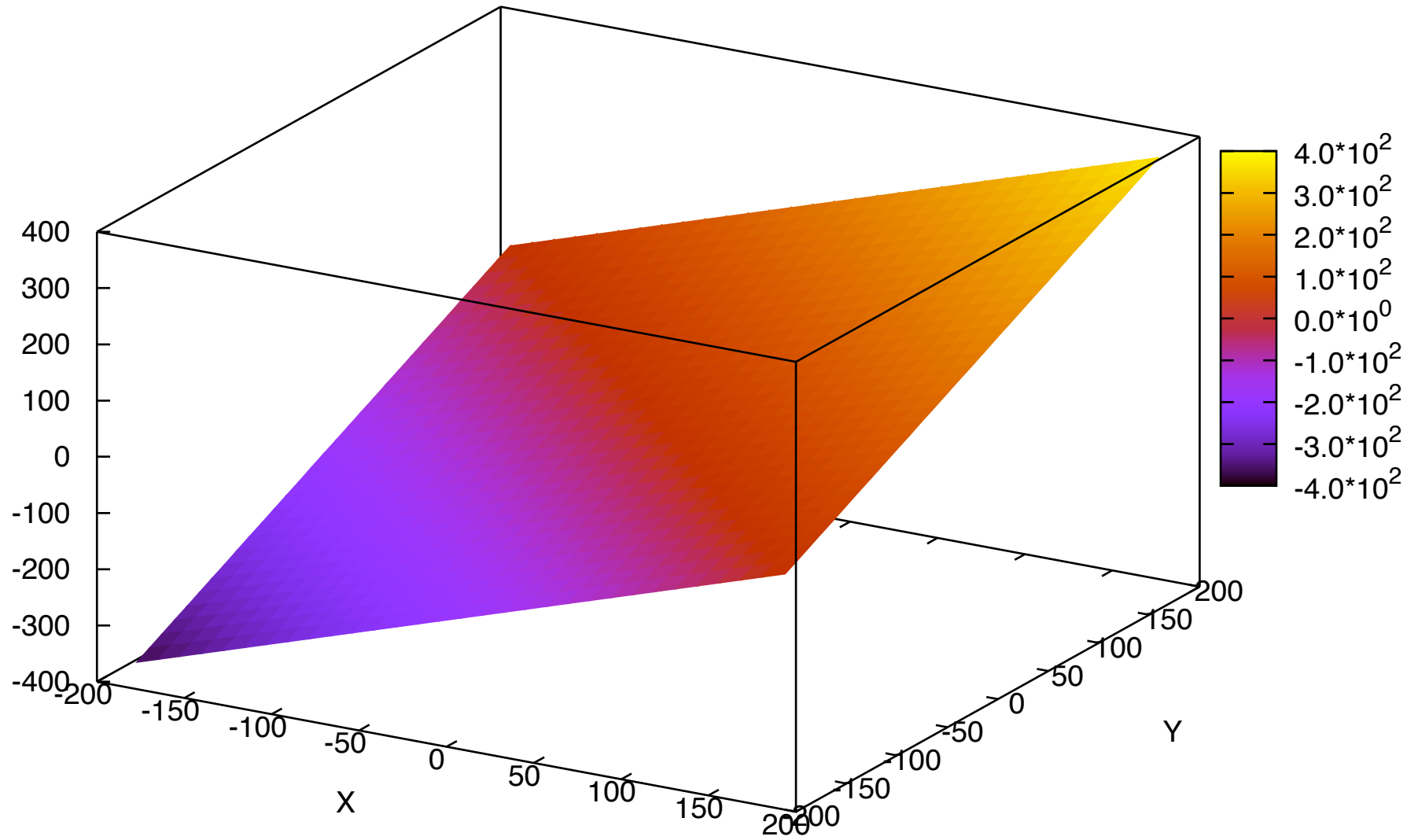
Using interpolation with datafile; pm3d at s ftriangles interpolate 10,1



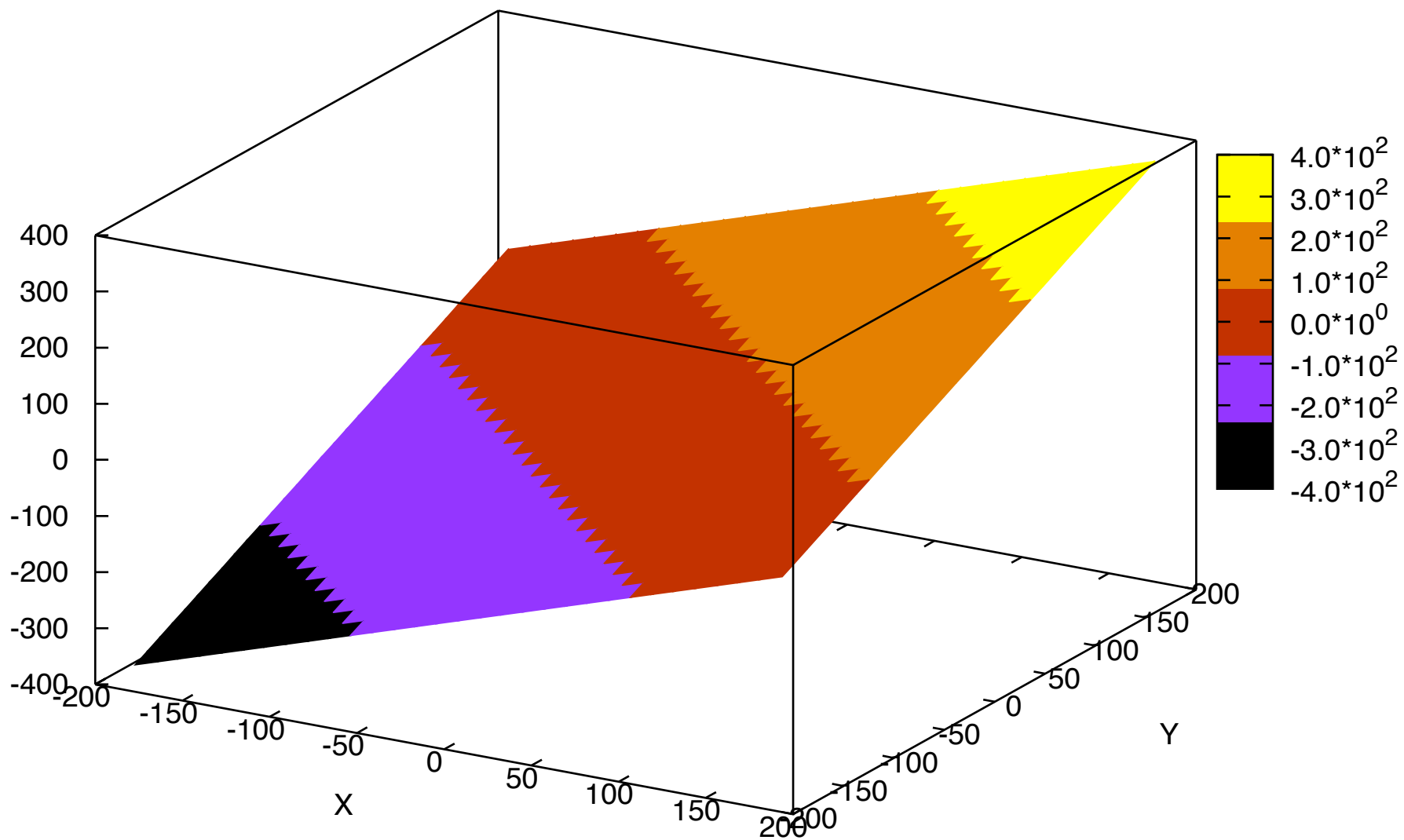
only for enhanced terminals: 'set format cb ...'



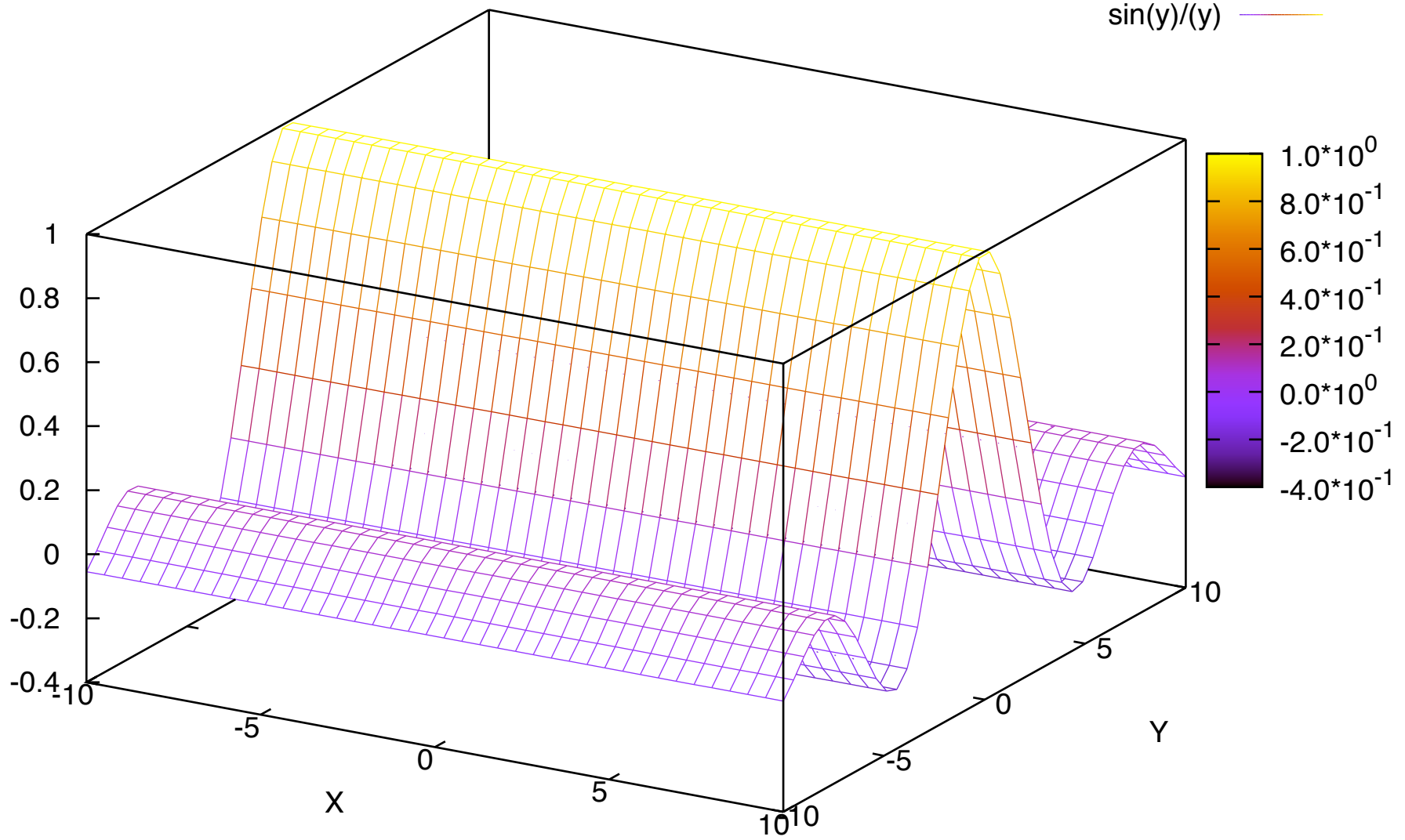
function 'x+y' using all colors available, 'set pal maxcolors 0'



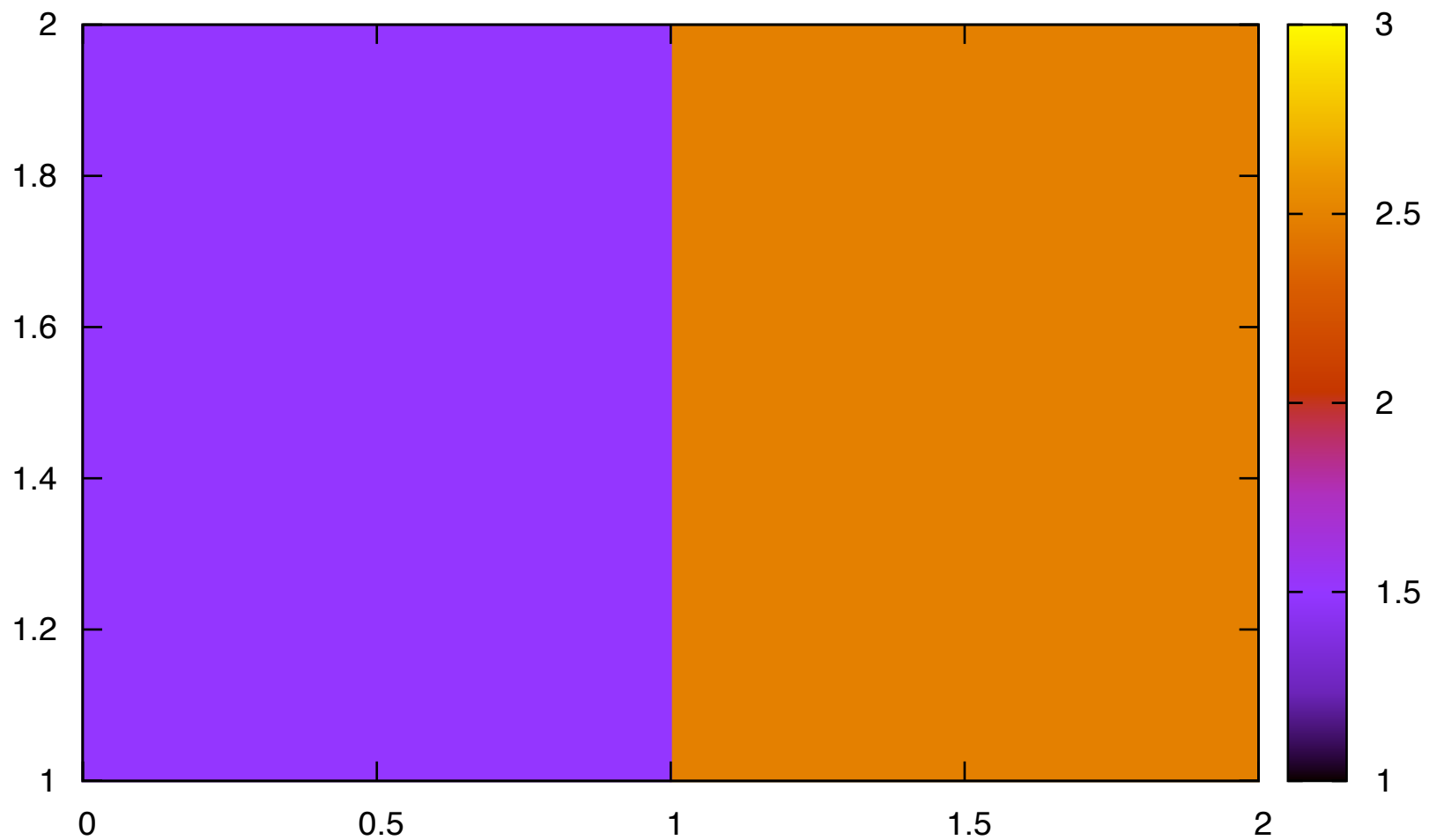
function 'x+y' using only 5 colors, 'set pal maxcolors 5'



color lines: 'splot sin(y)/(y) with lines palette'

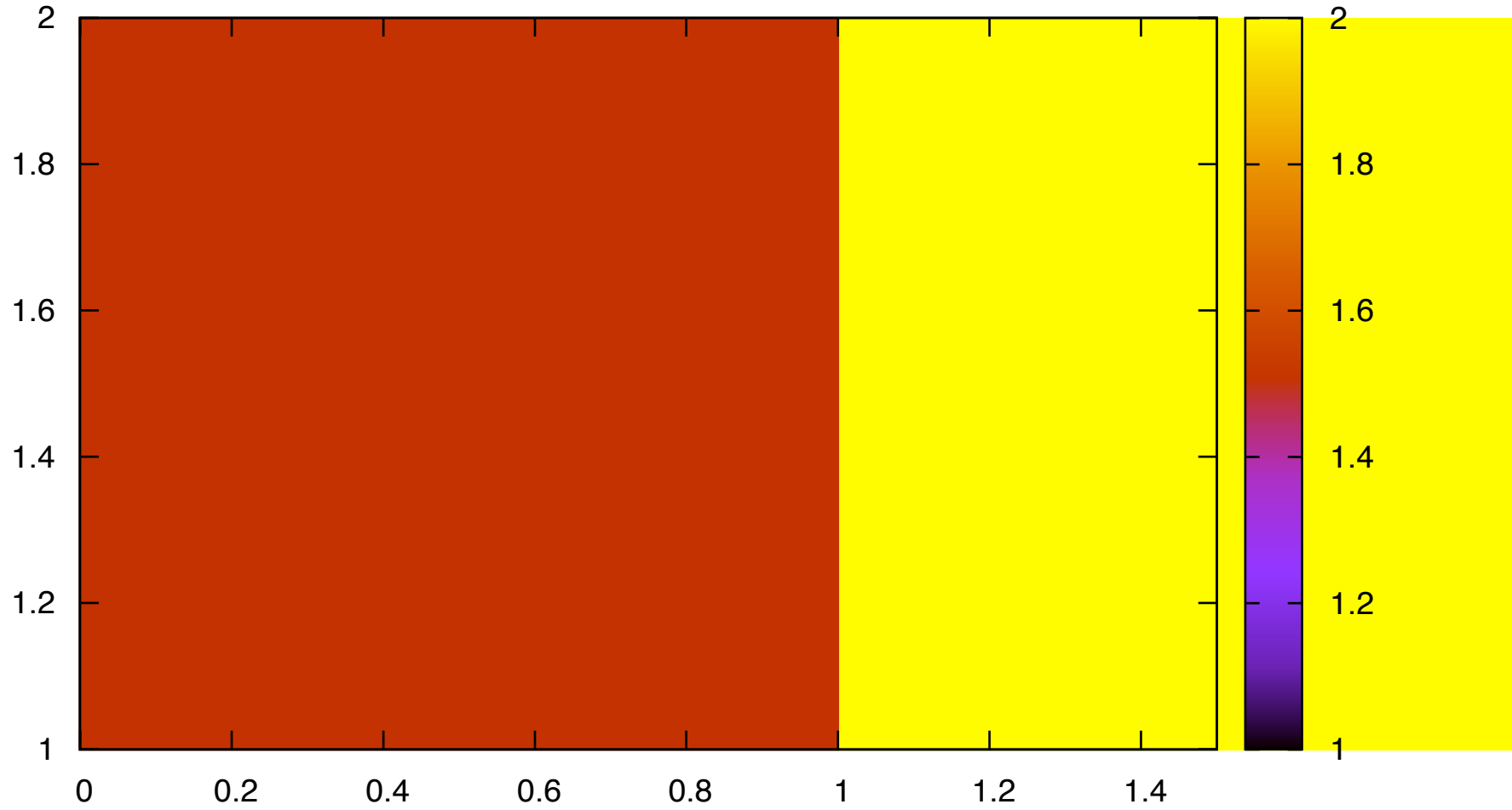


Demo for clipping of 2 rectangles comes now. The xrange is [0:2]... 'clip14in.dat'



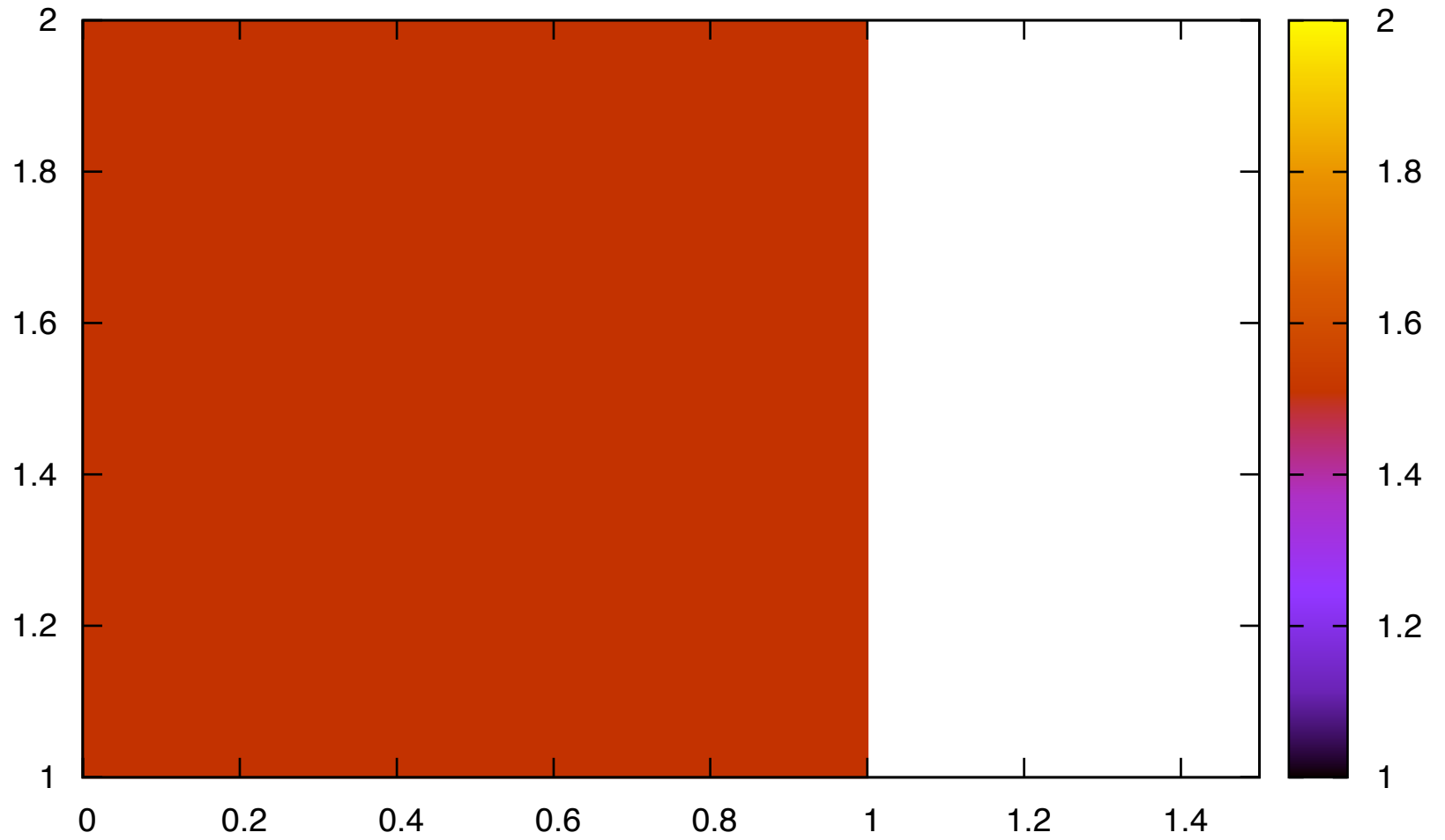
...and now xrange is [0:1.5] and 'set pm3d clip1in'

'clip14in.dat'

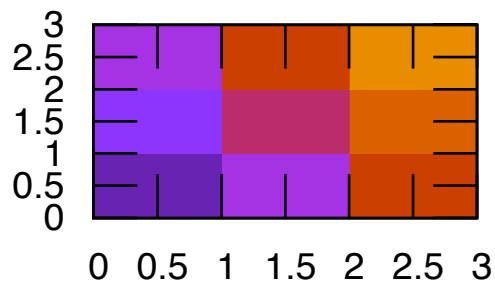


...now xrange is [0:1.5] and 'set pm3d clip4in'

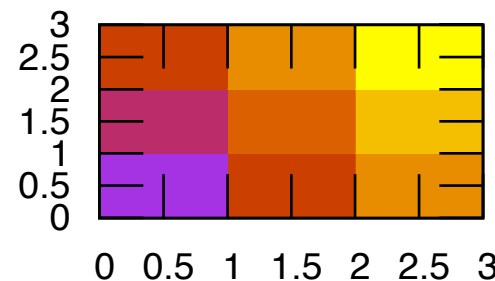
'clip14in.dat'



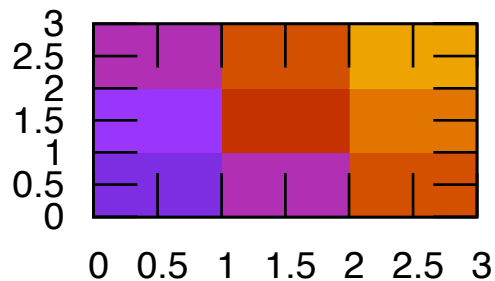
set pm3d corners2color c3



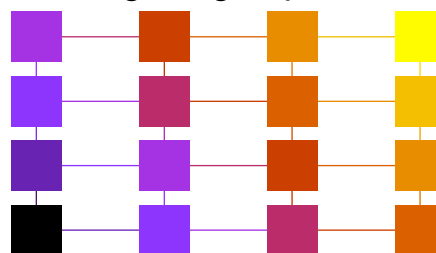
set pm3d corners2color c4



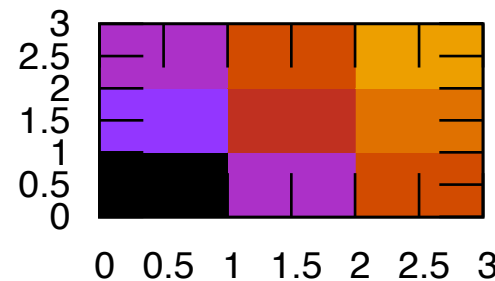
set pm3d corners2color mean



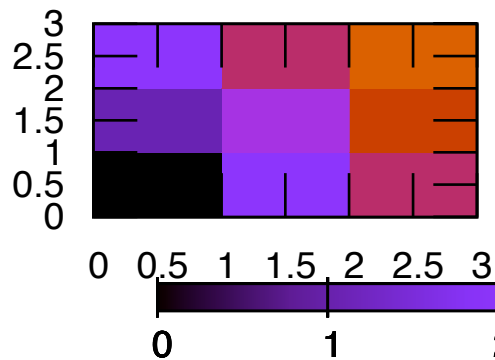
Original grid points



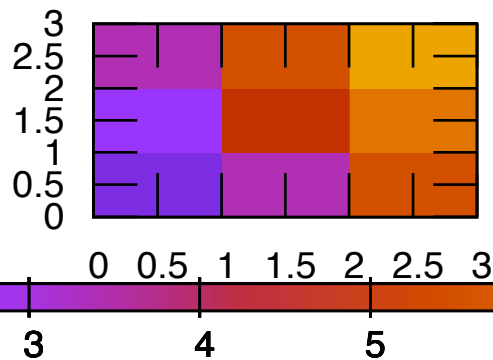
set pm3d corners2color geomean



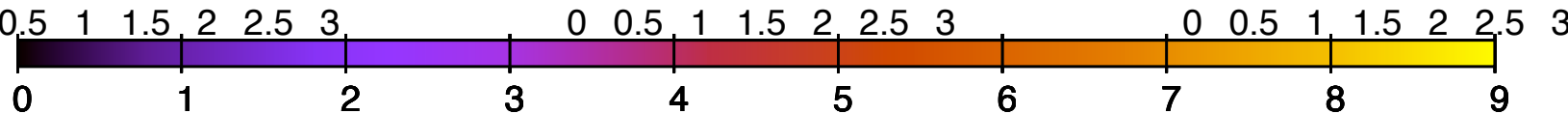
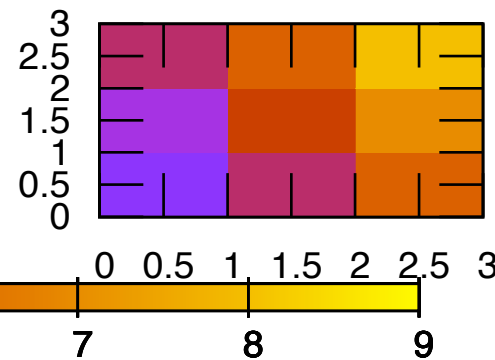
set pm3d corners2color c1



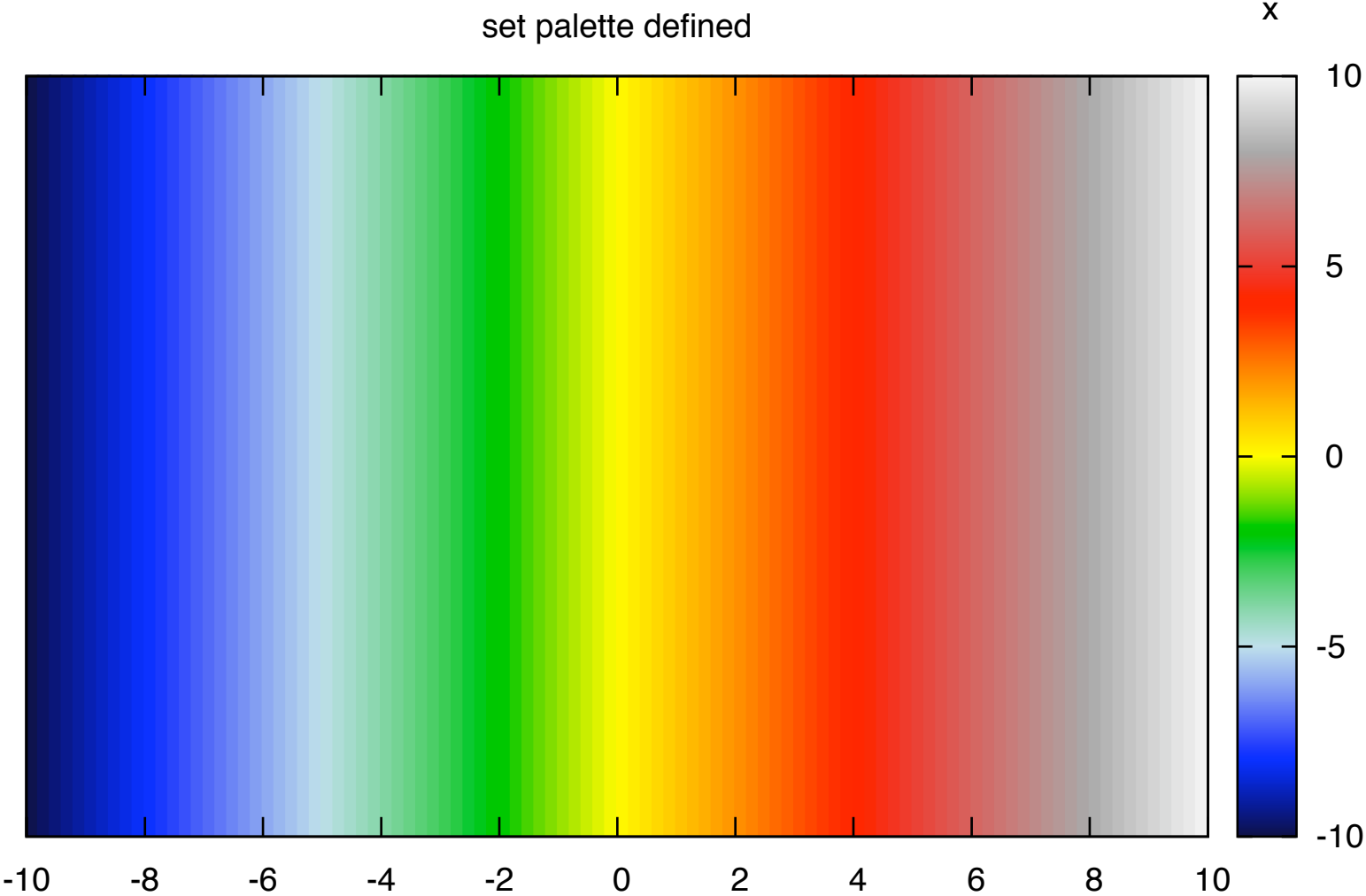
set pm3d corners2color median



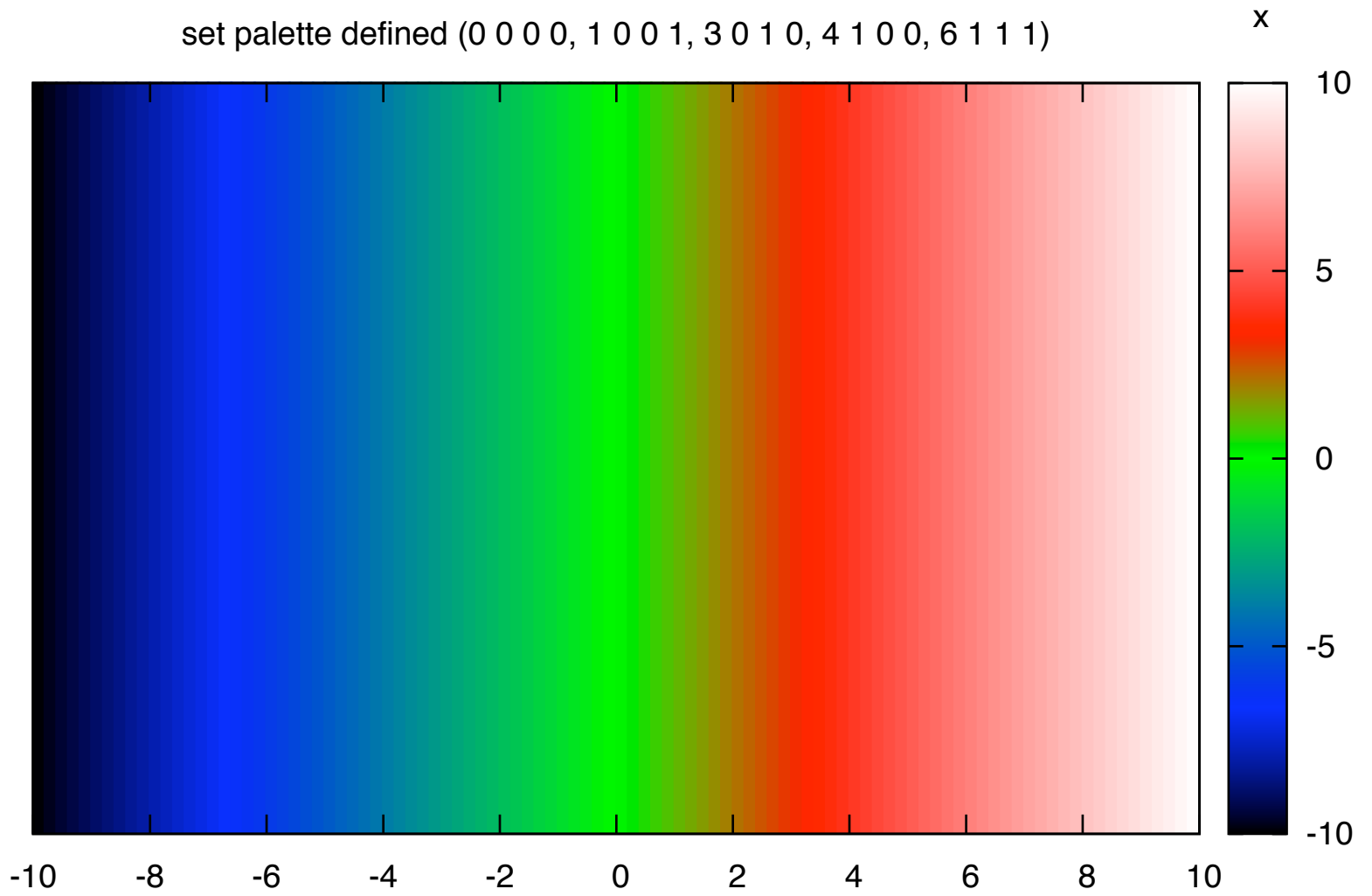
set pm3d corners2color c2



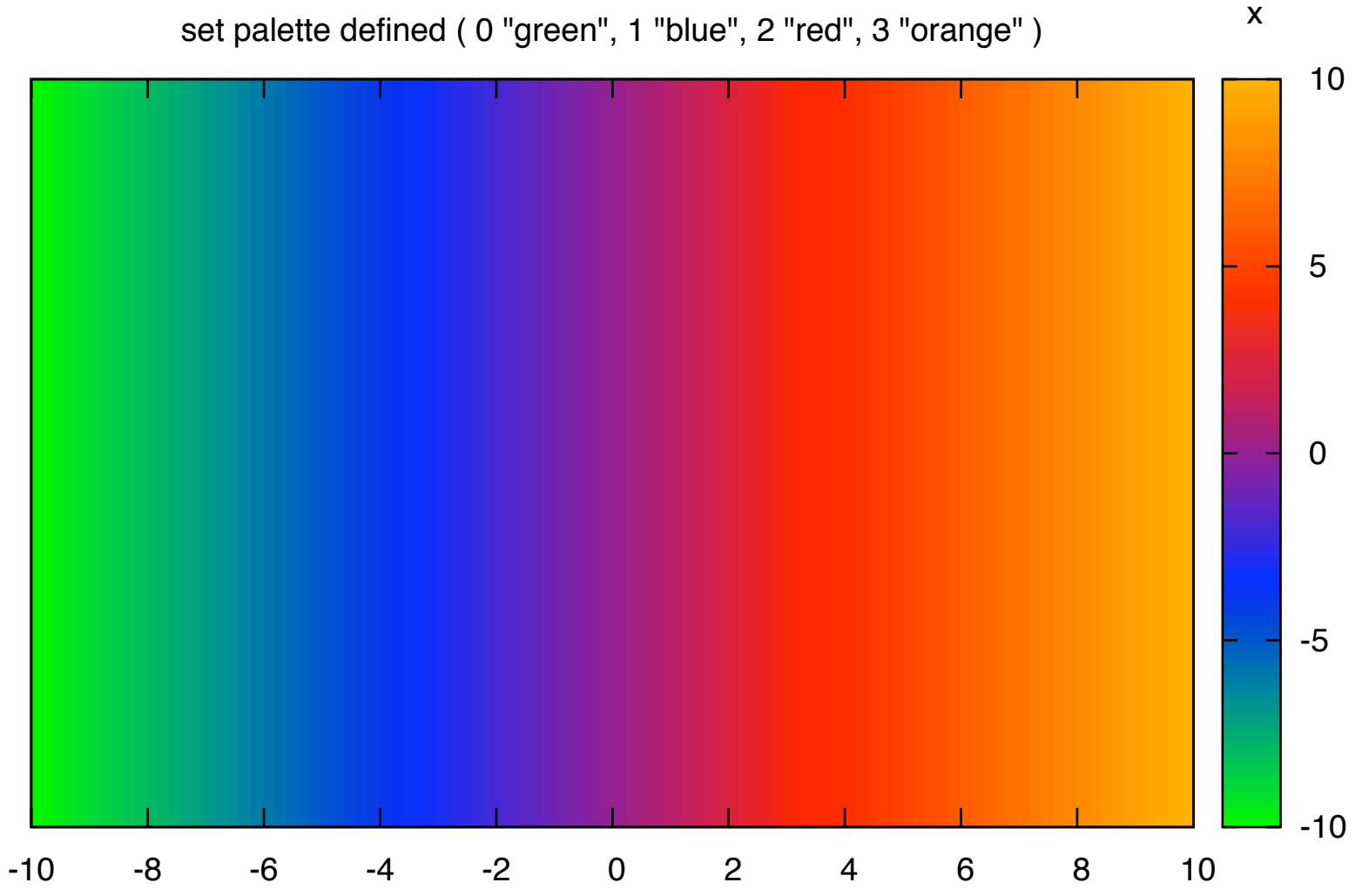
set palette defined



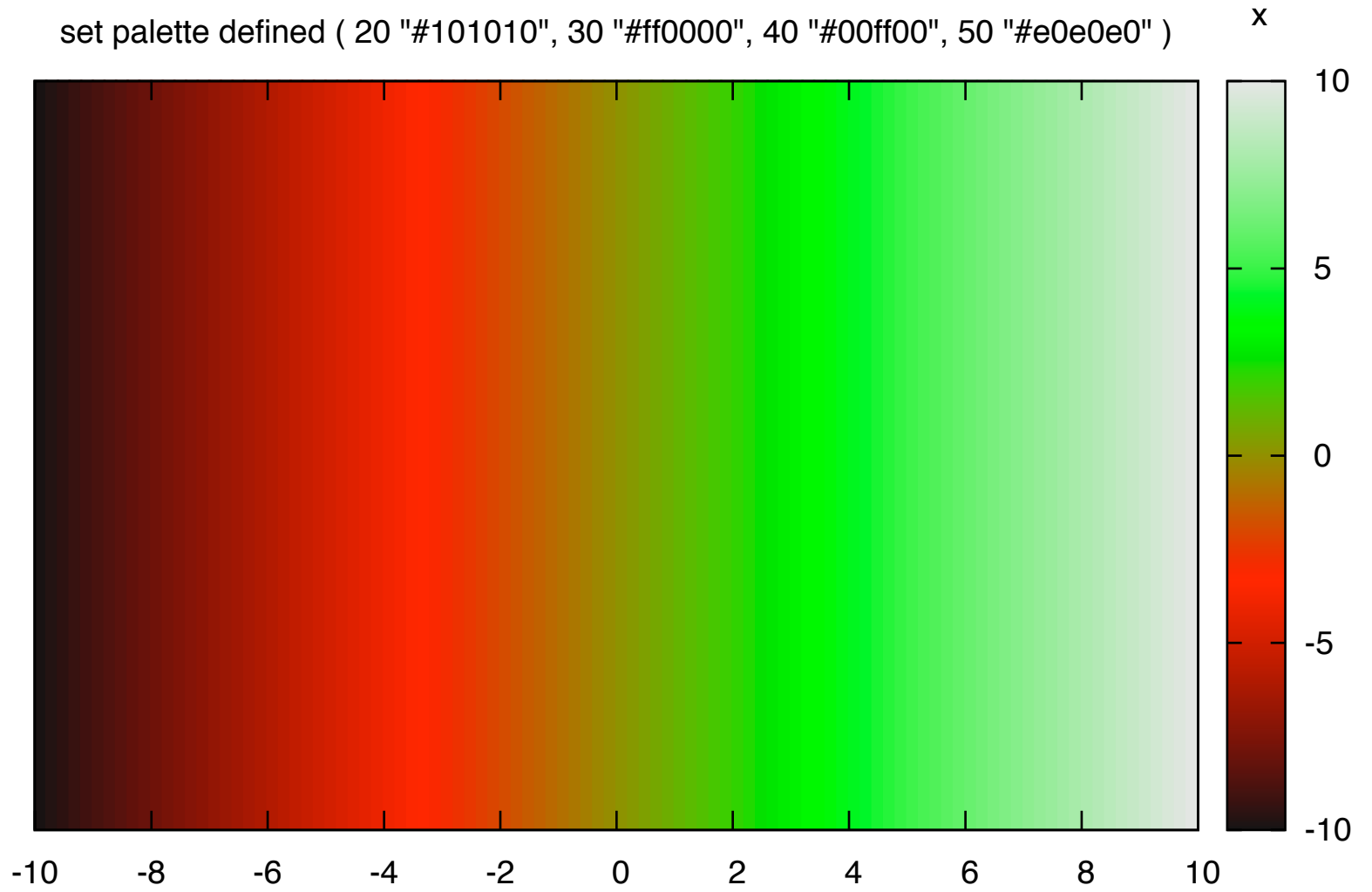
set palette defined (0 0 0 0, 1 0 0 1, 3 0 1 0, 4 1 0 0, 6 1 1 1)



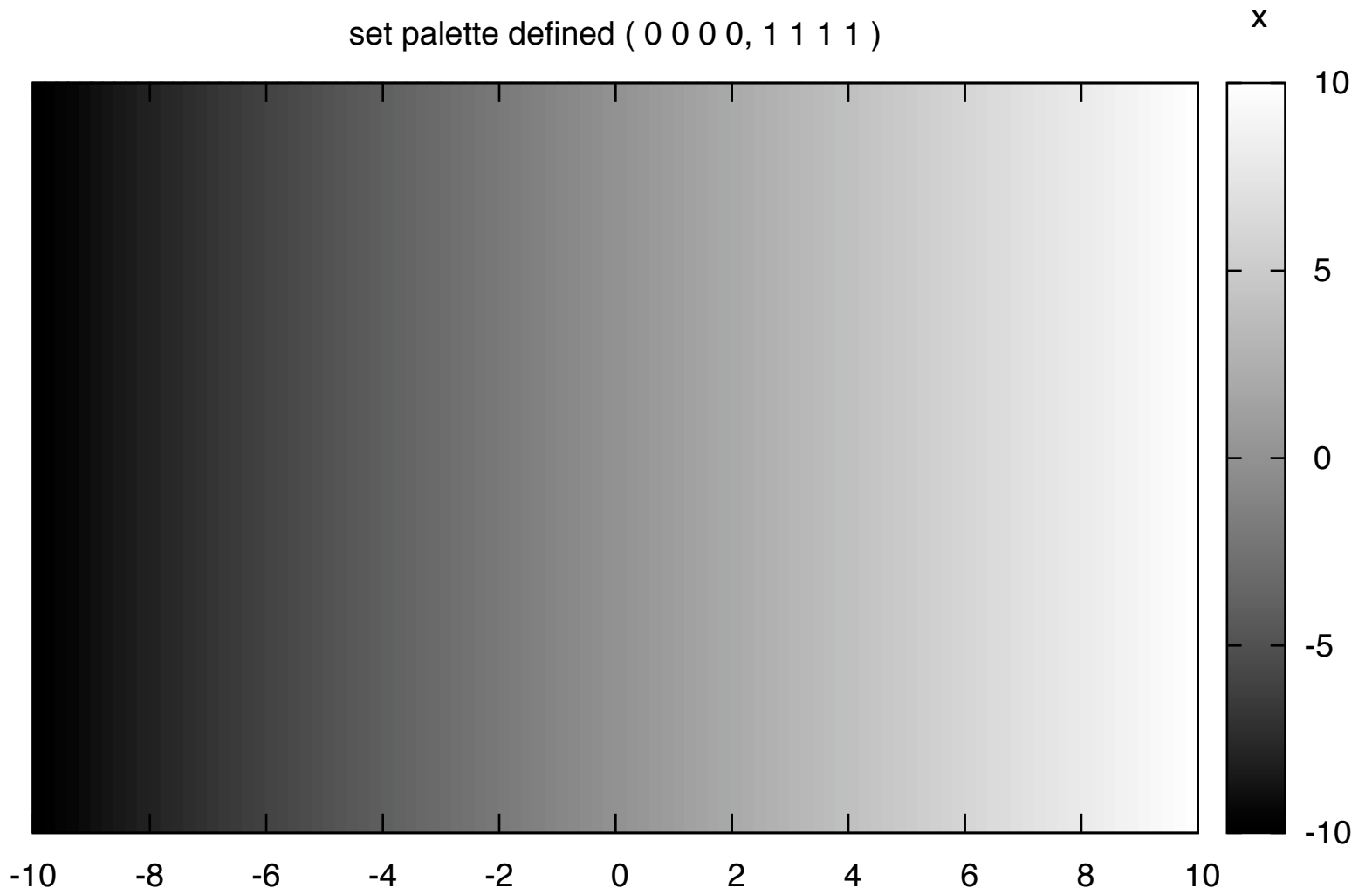
set palette defined (0 "green", 1 "blue", 2 "red", 3 "orange")



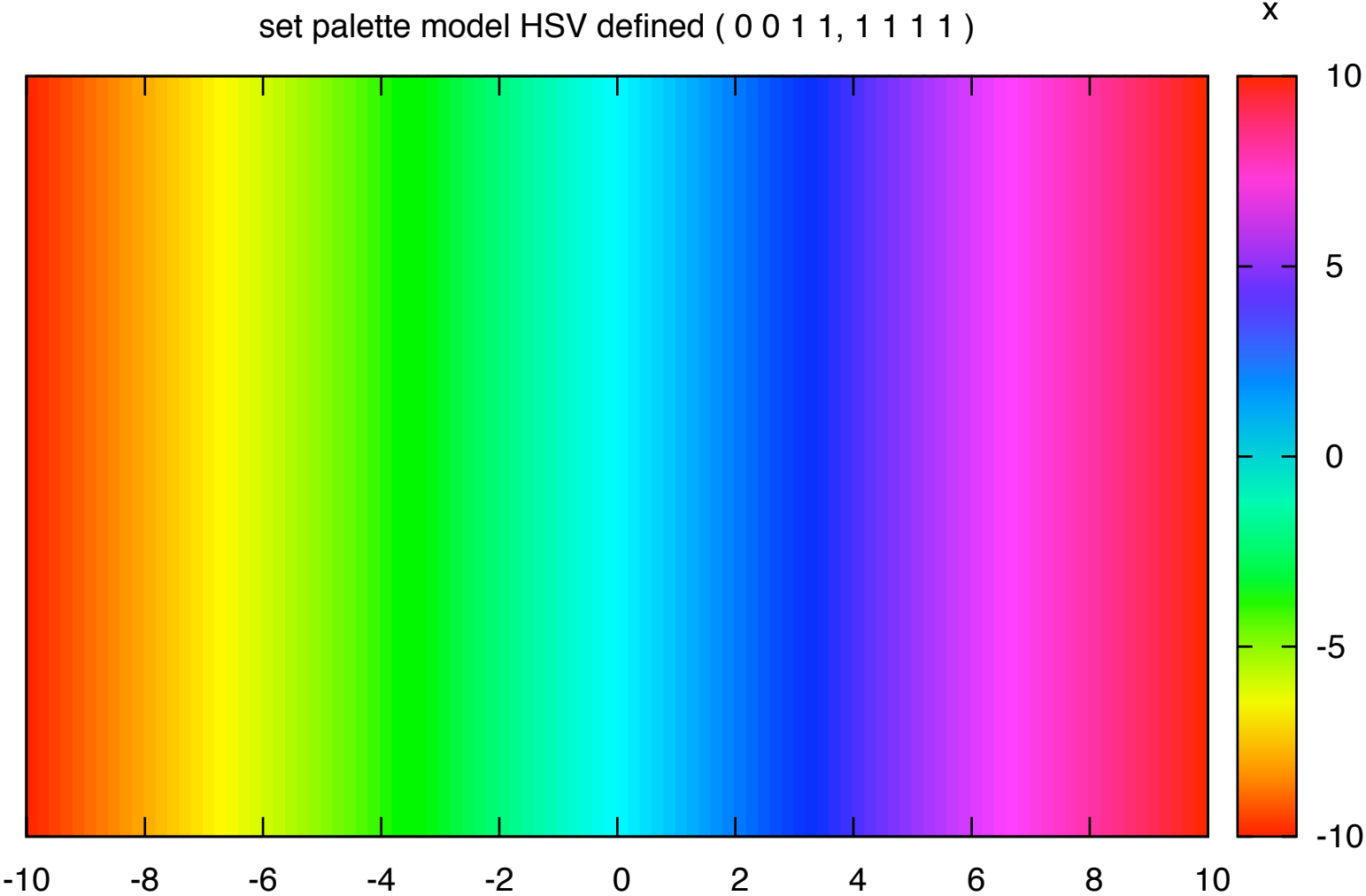
set palette defined (20 "#101010", 30 "#ff0000", 40 "#00ff00", 50 "#e0e0e0")

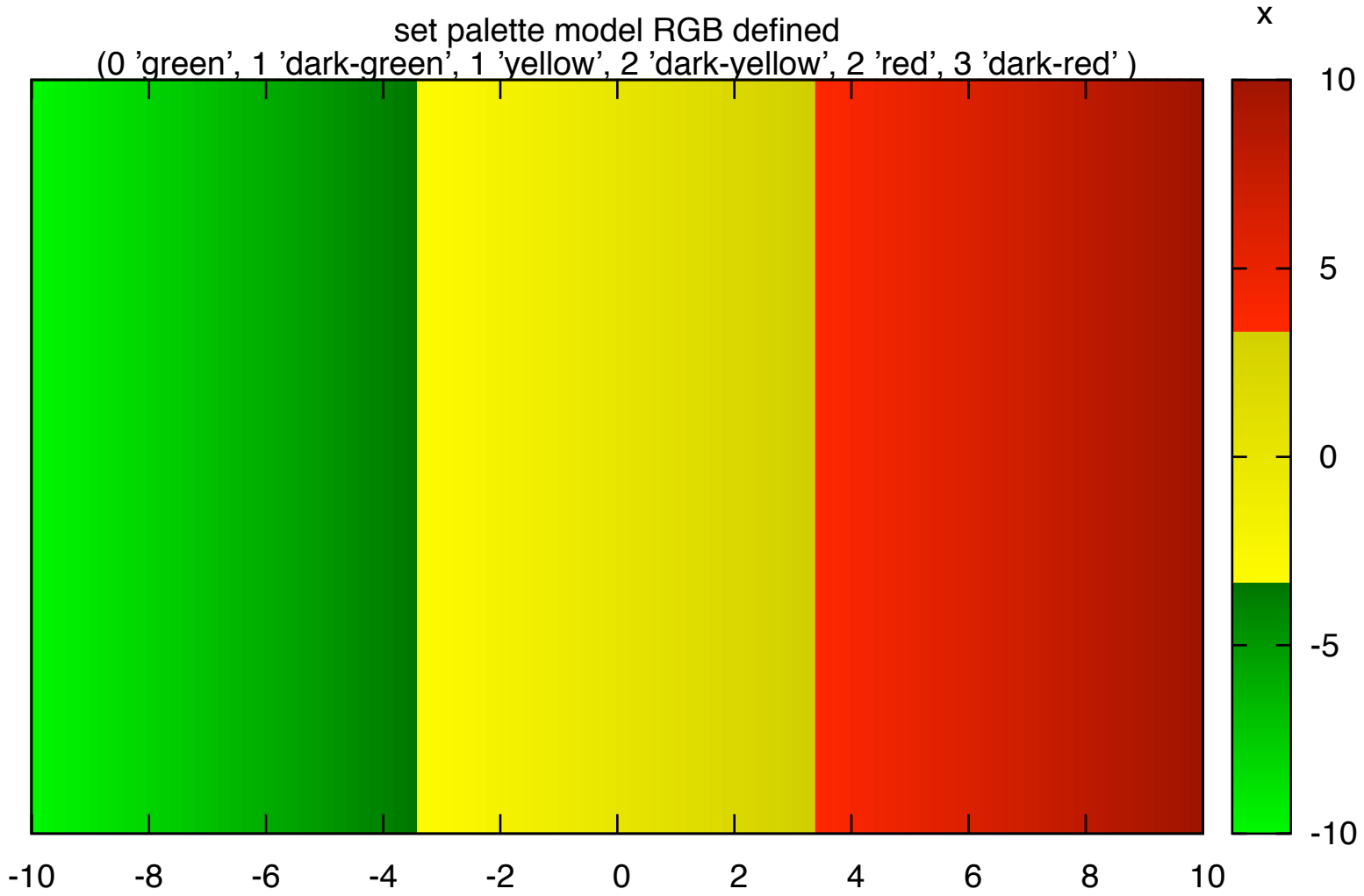


set palette defined (0 0 0 0, 1 1 1 1)

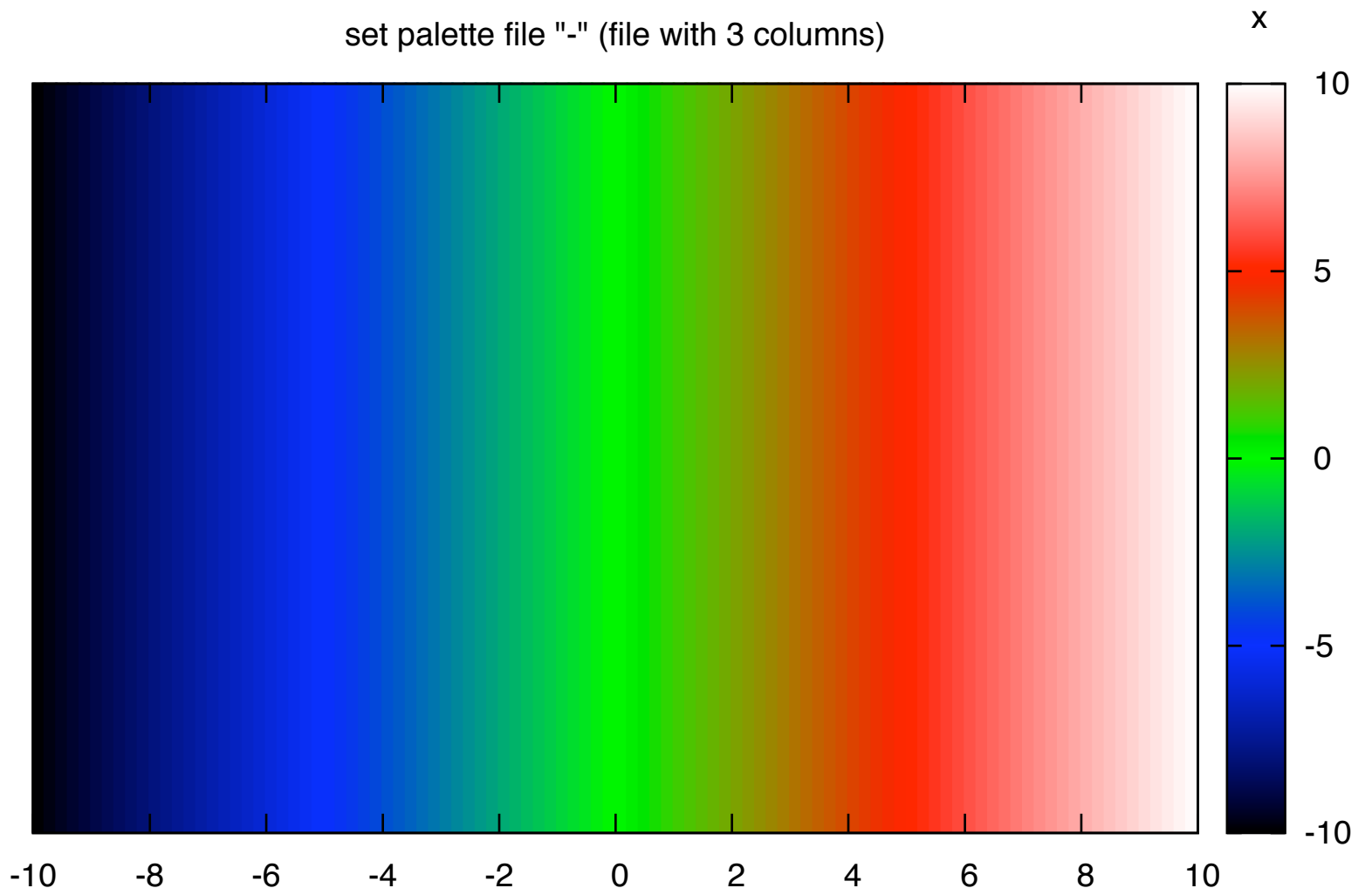


set palette model HSV defined (0 0 1 1, 1 1 1 1)

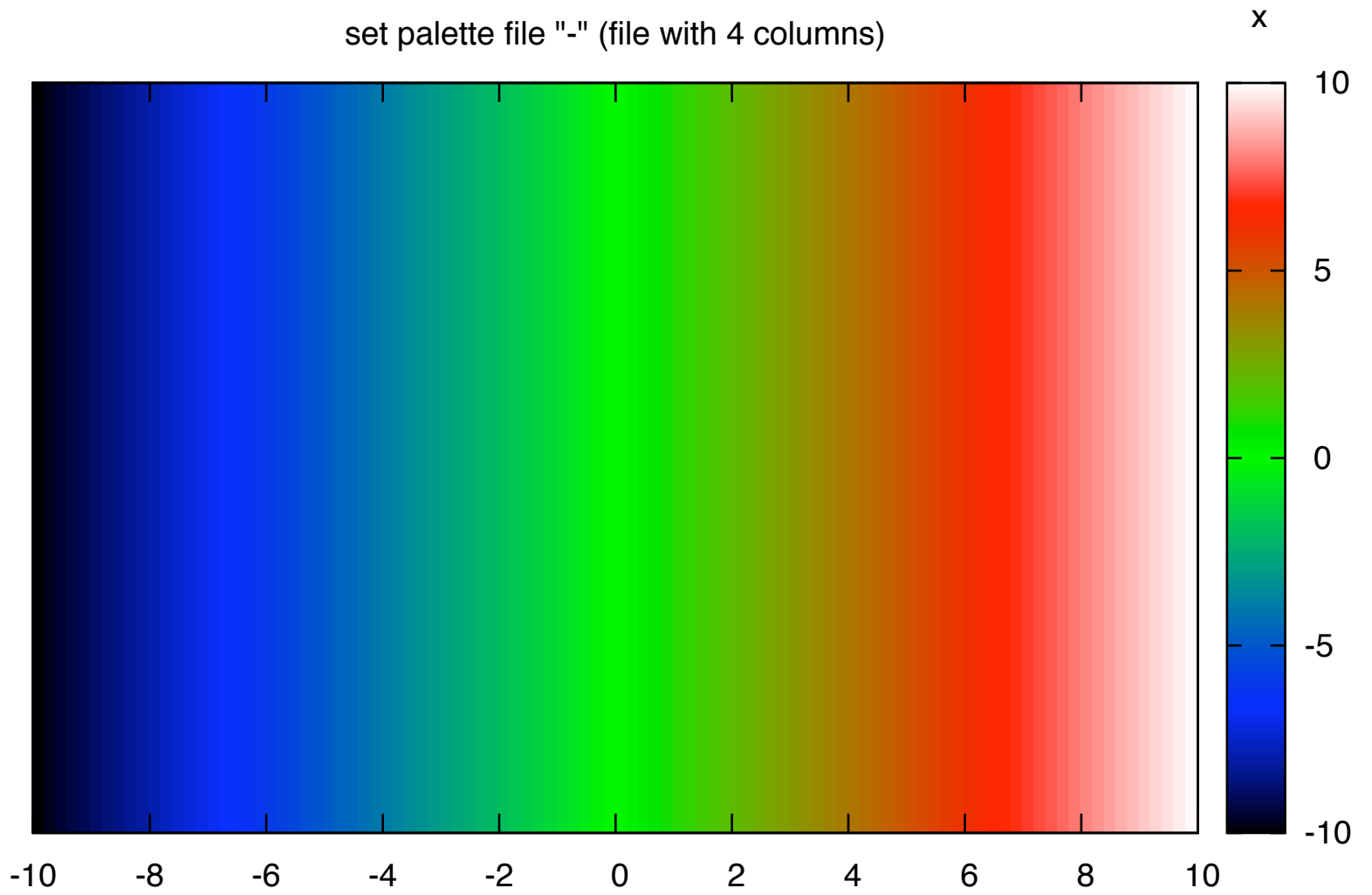




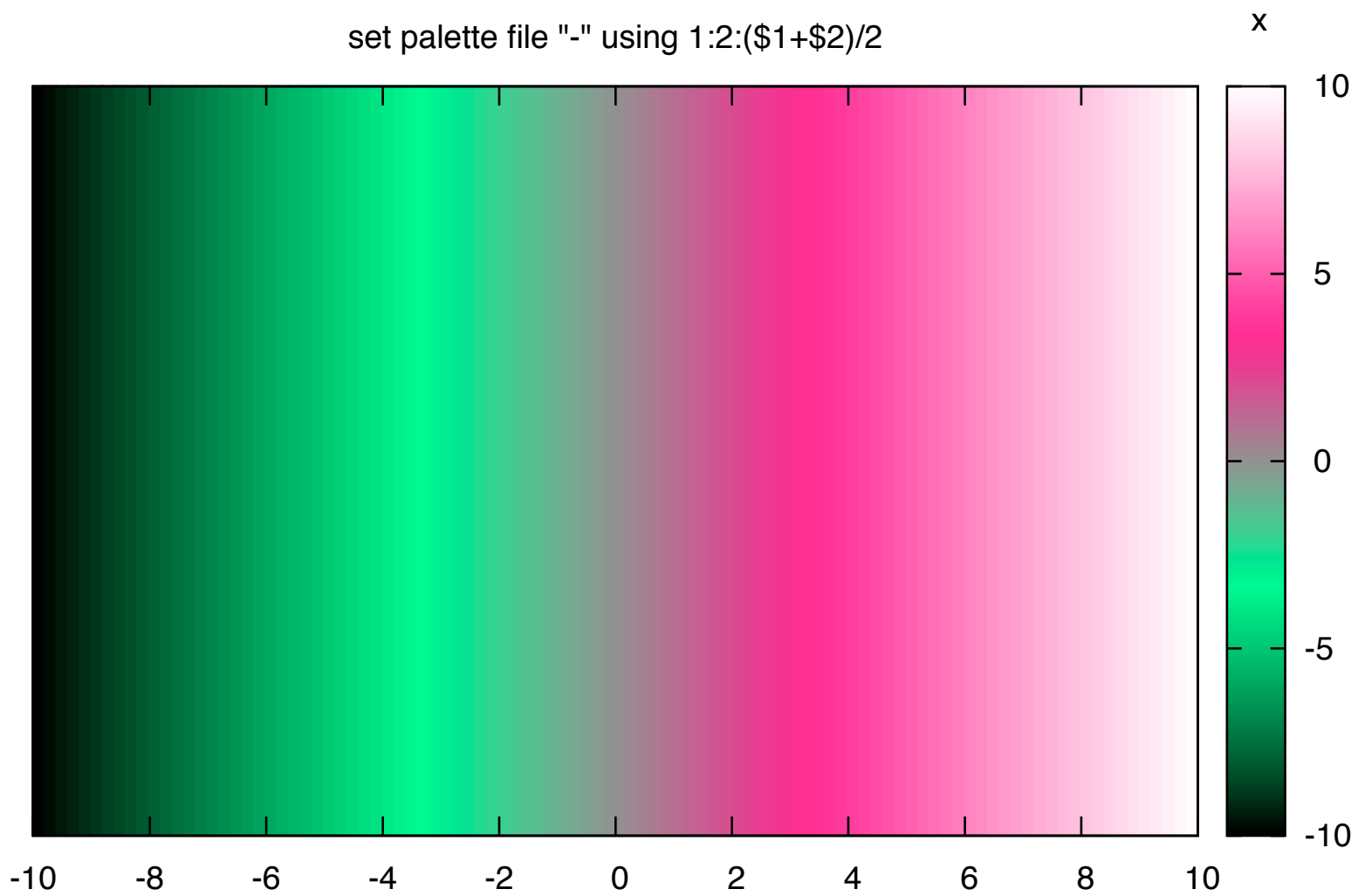
set palette file "-" (file with 3 columns)



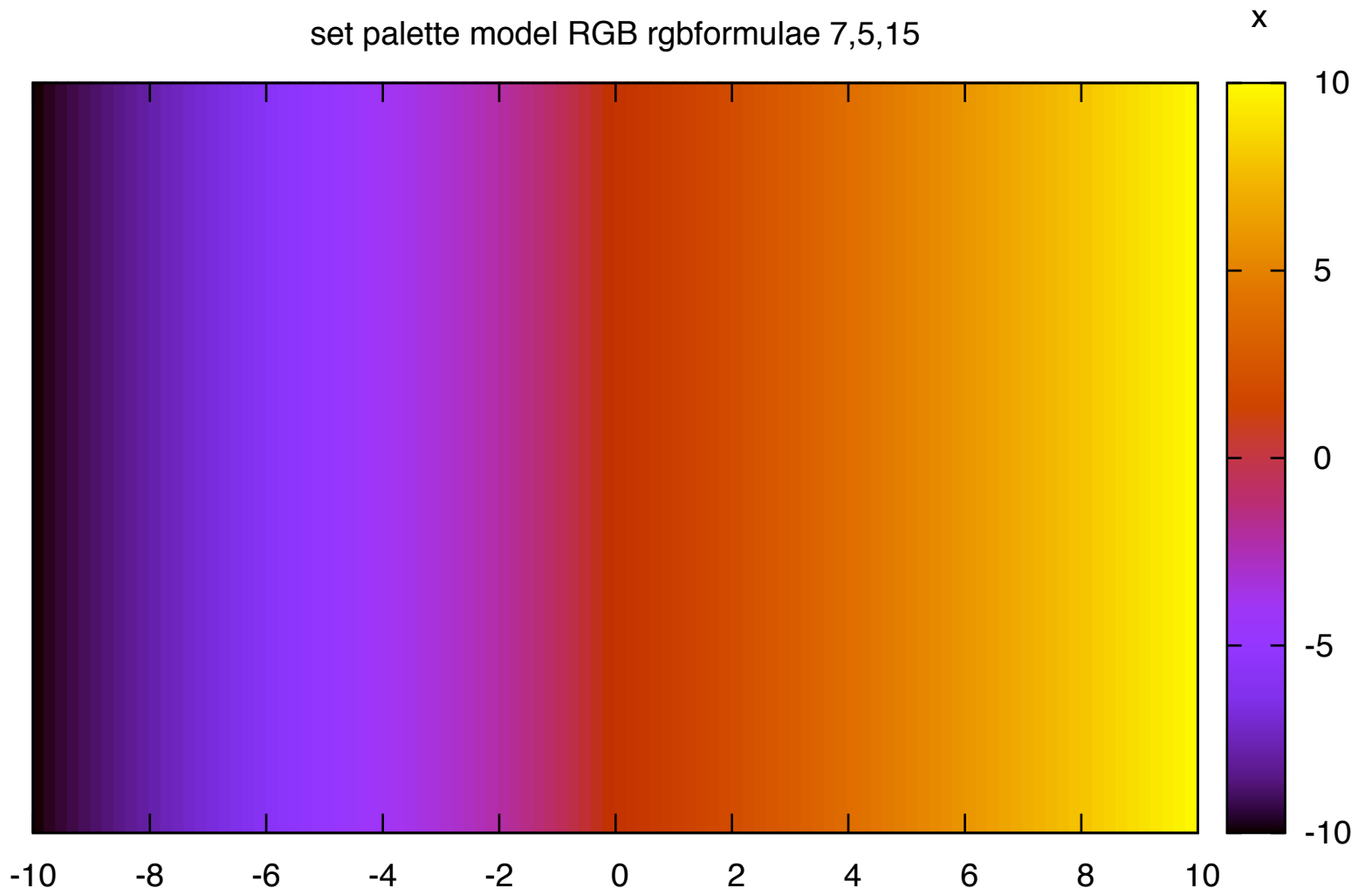
set palette file "-" (file with 4 columns)



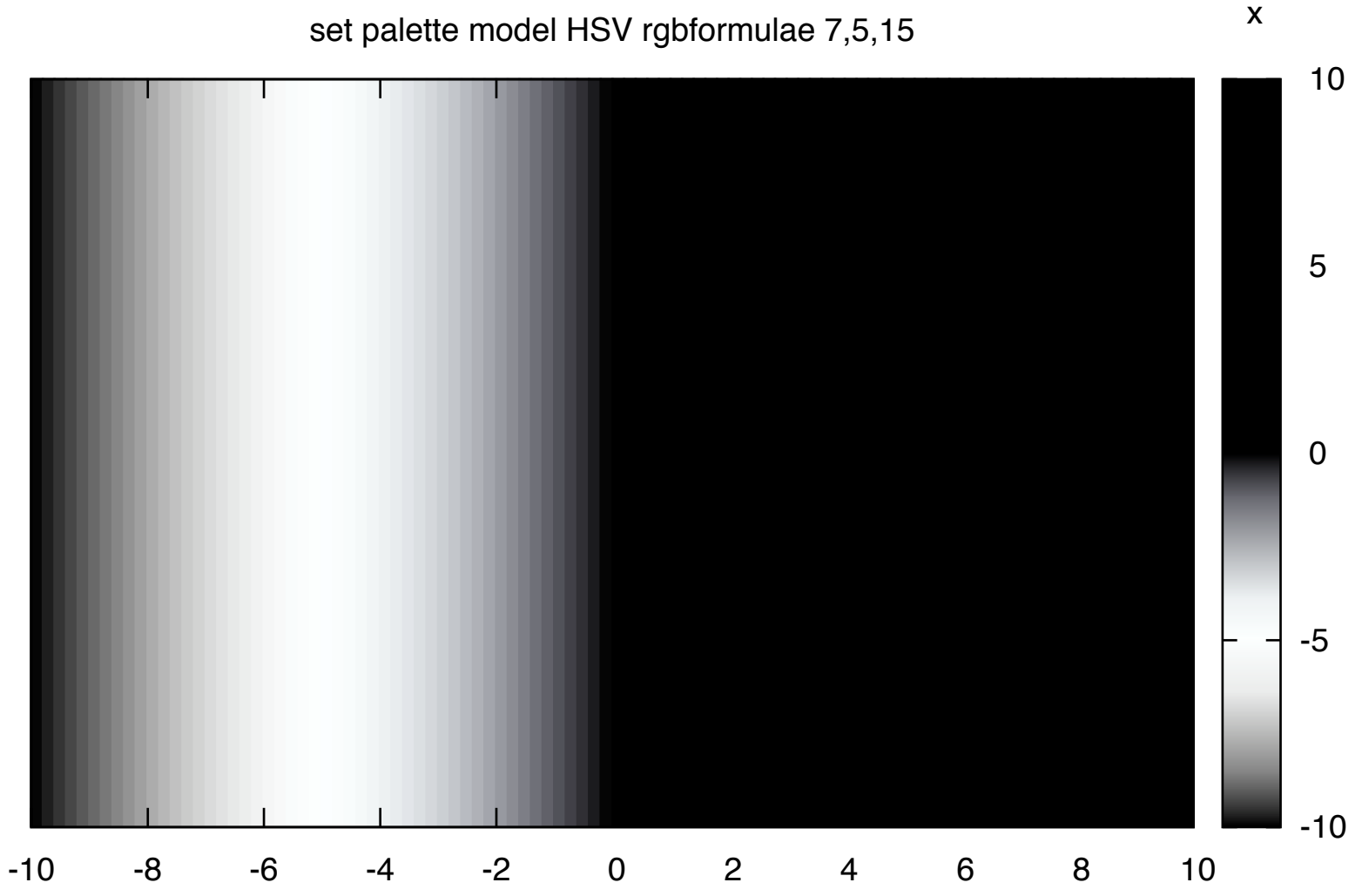
set palette file "-" using 1:2:(\$1+\$2)/2



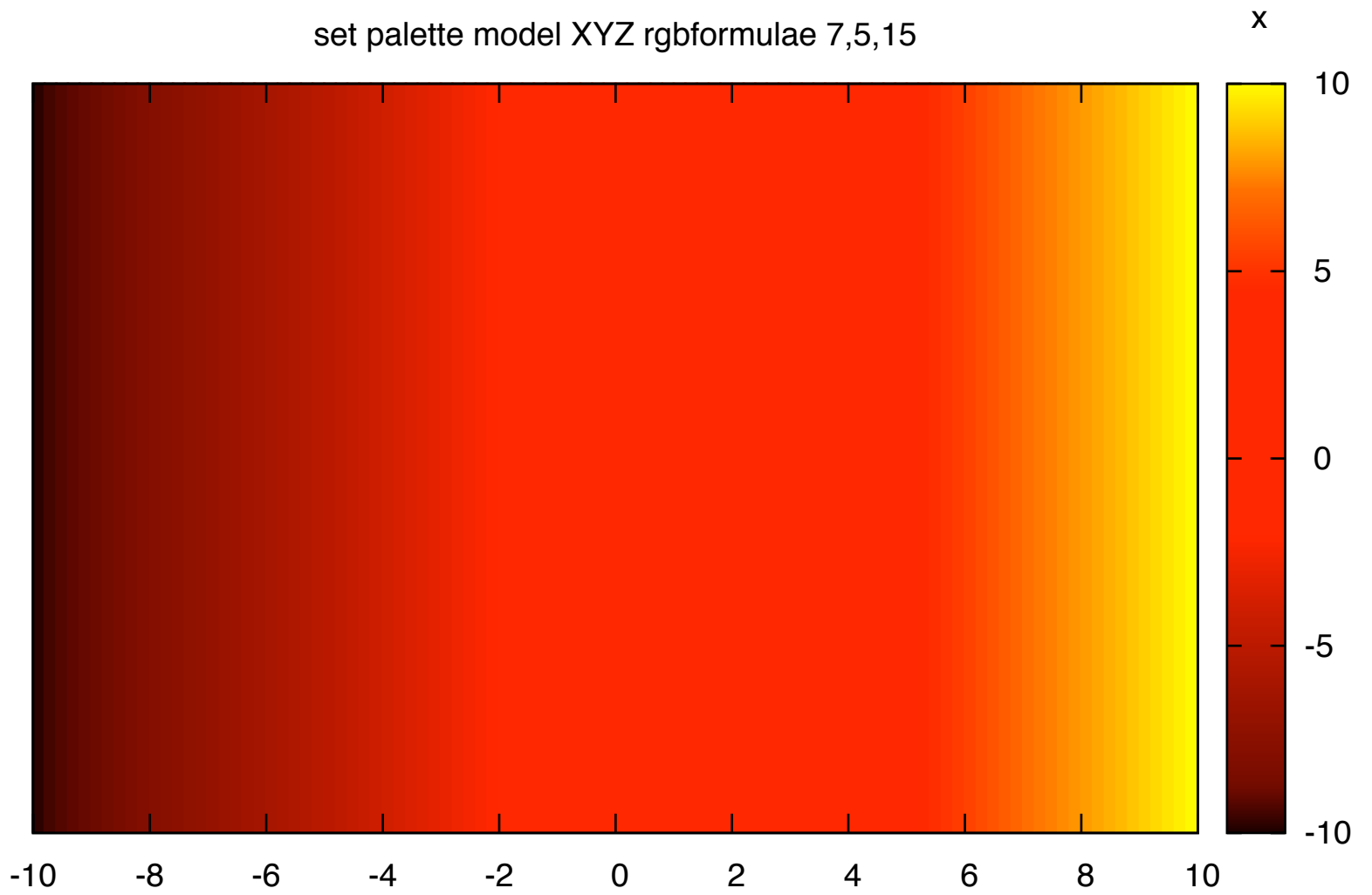
set palette model RGB rgbformulae 7,5,15



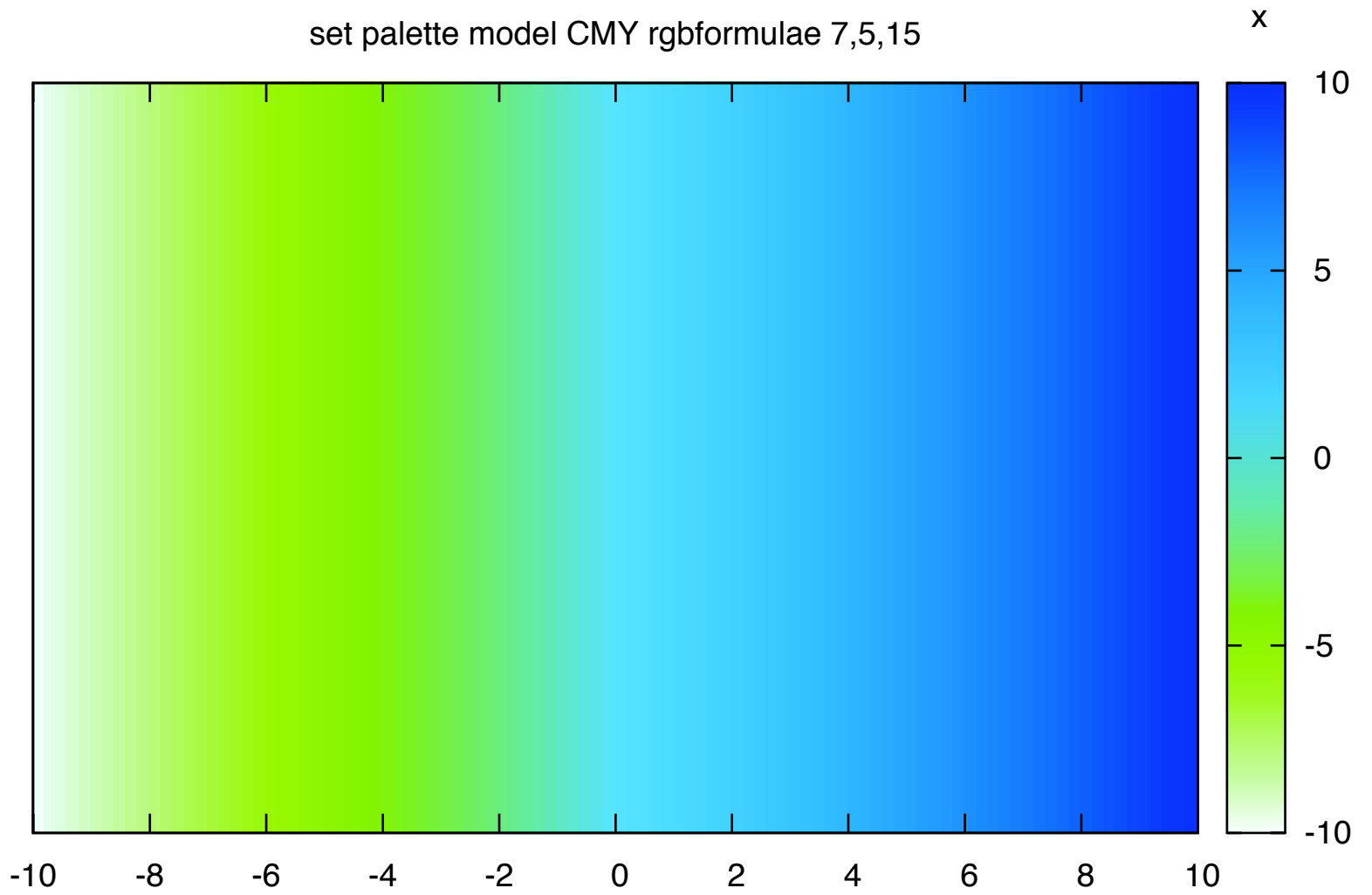
set palette model HSV rgbformulae 7,5,15



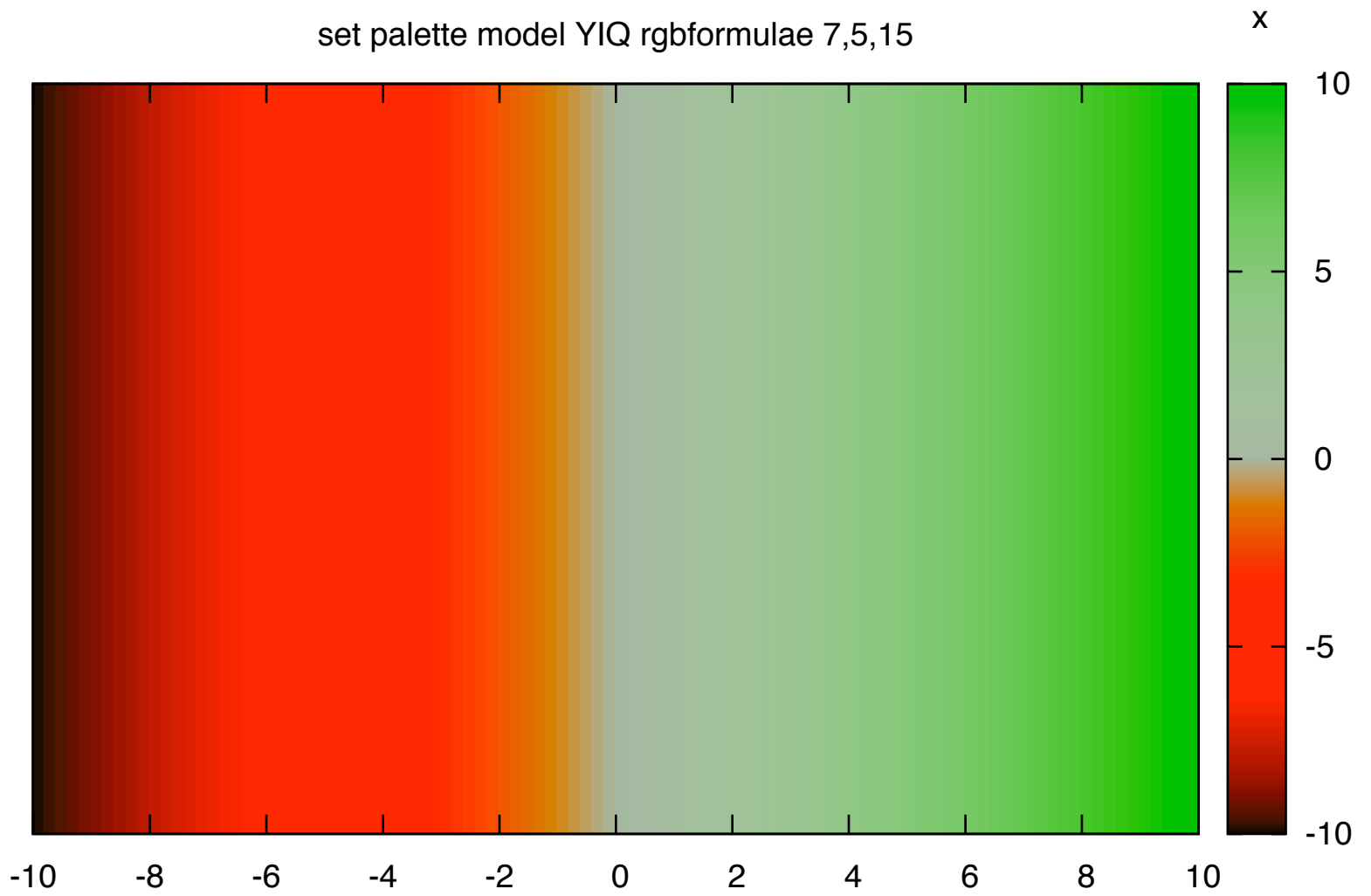
set palette model XYZ rgbformulae 7,5,15



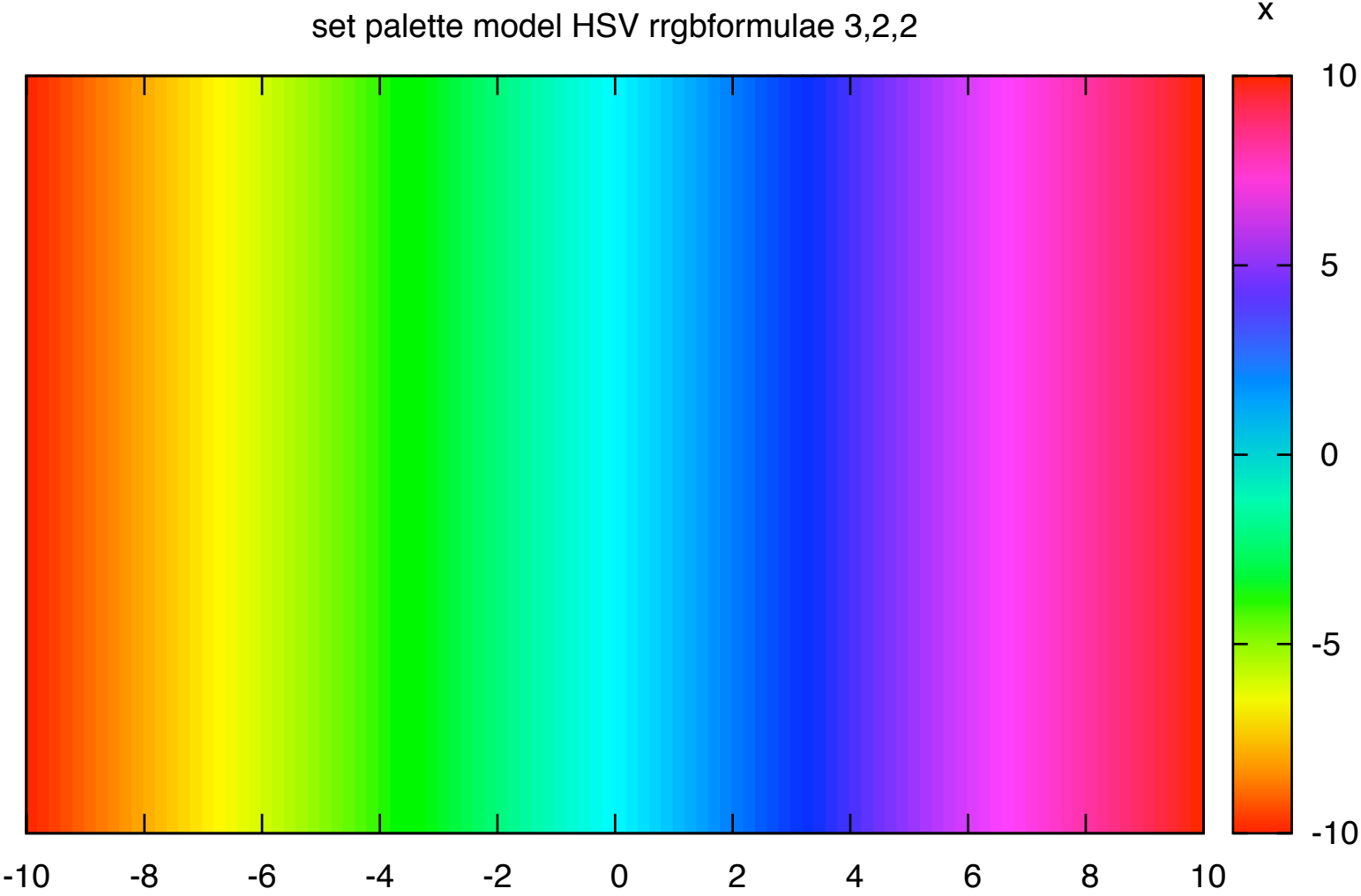
set palette model CMY rgbformulae 7,5,15



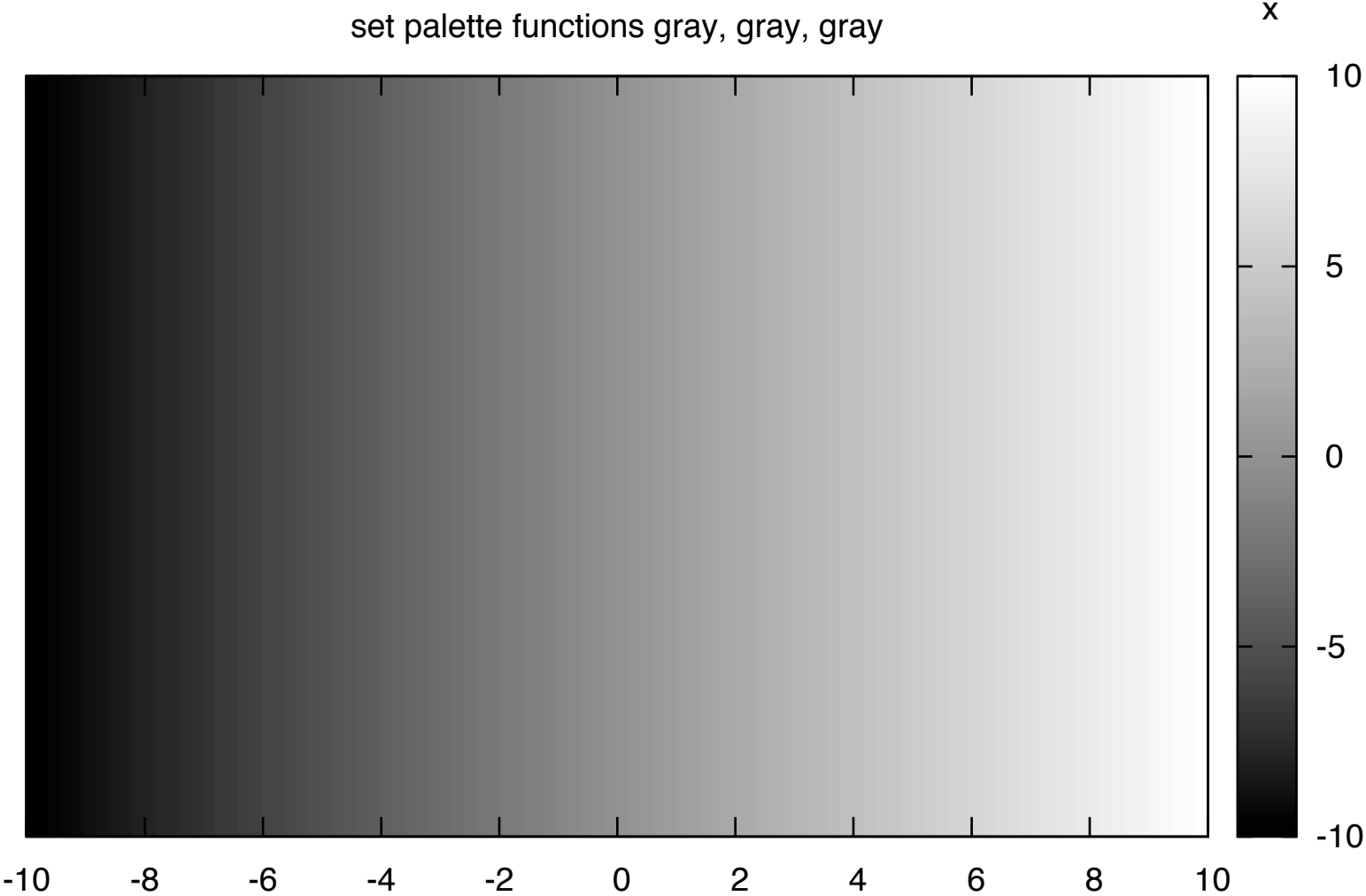
set palette model YIQ rgbformulae 7,5,15



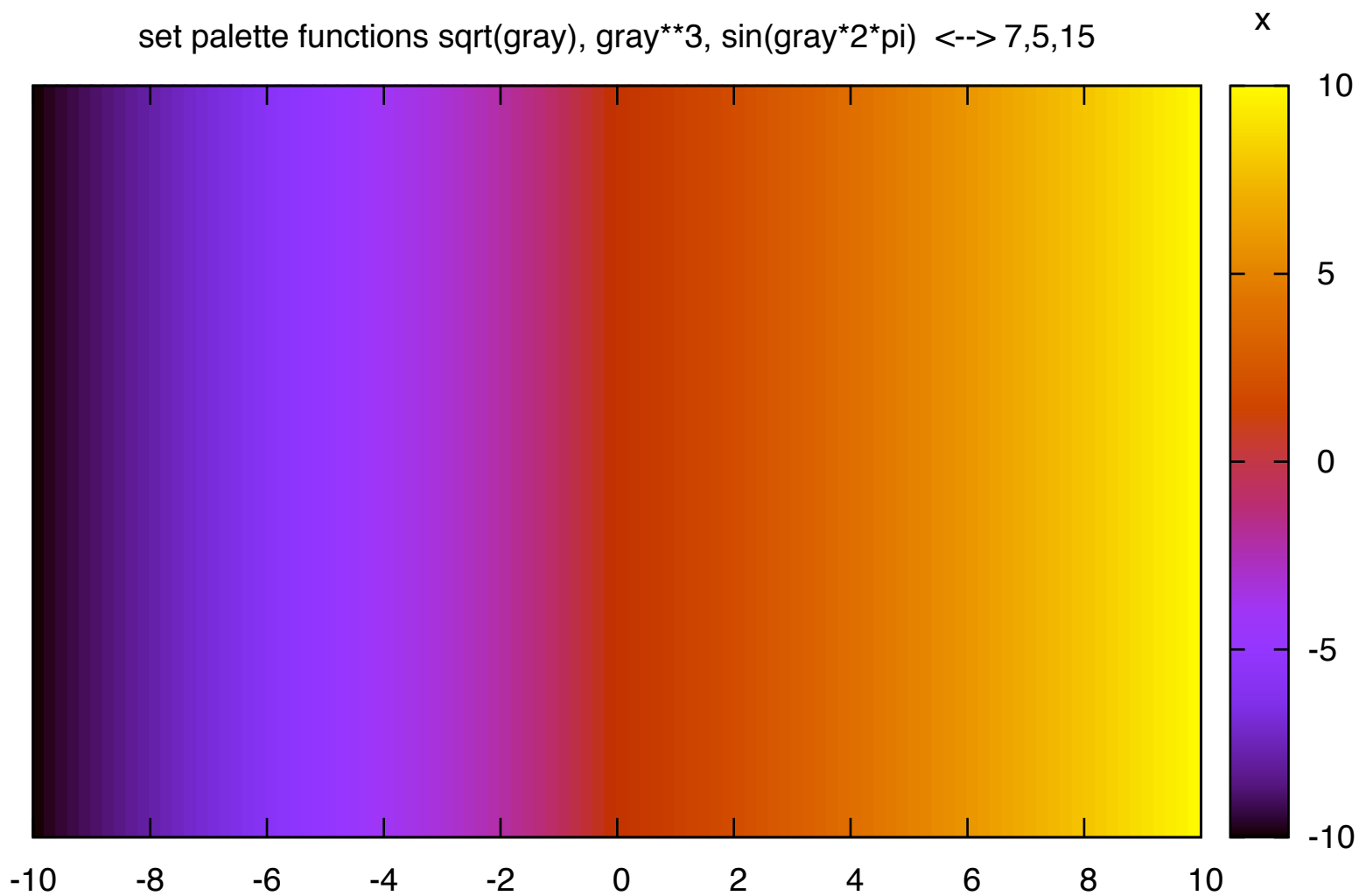
set palette model HSV rrgbformulae 3,2,2



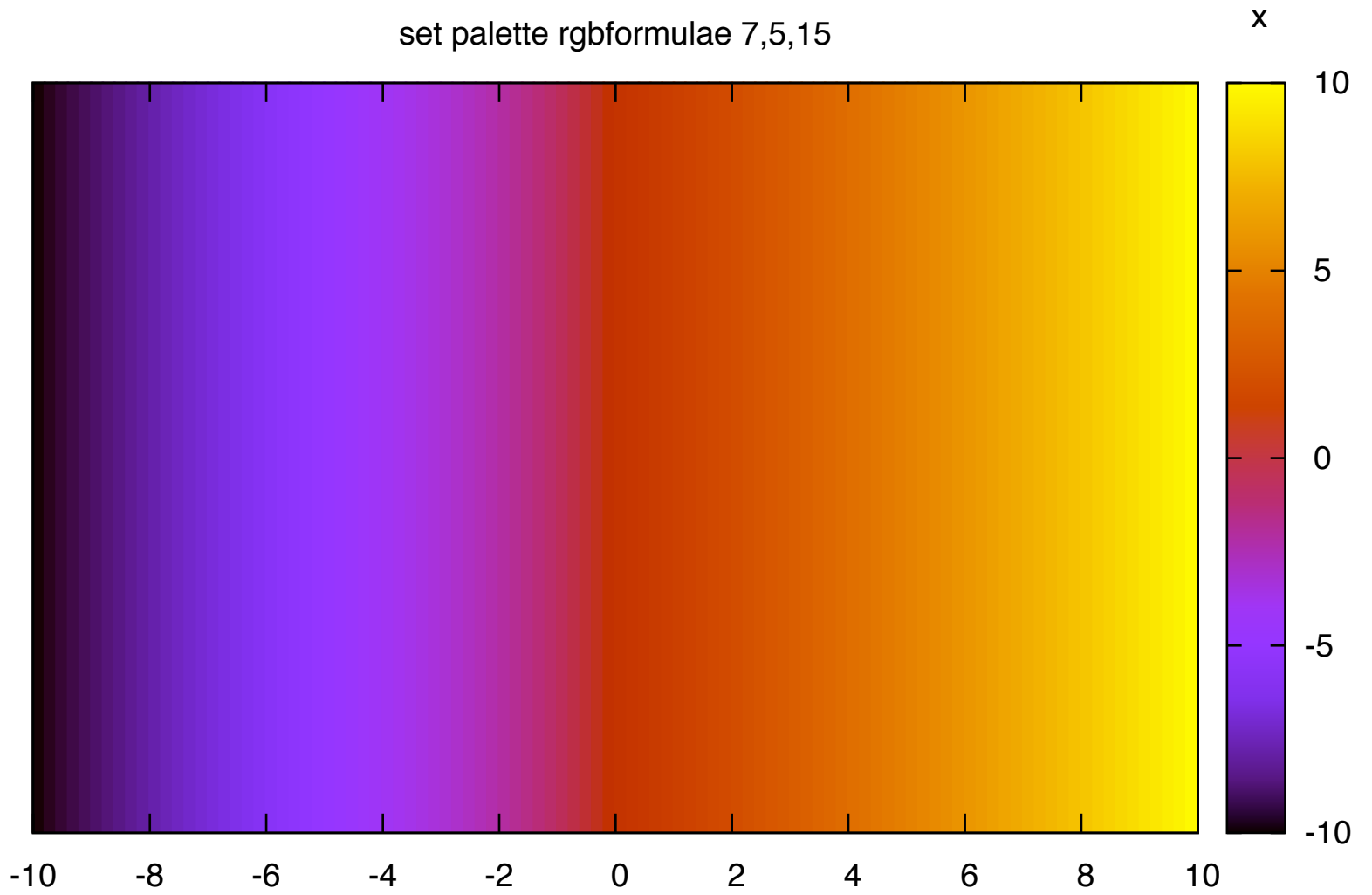
set palette functions gray, gray, gray



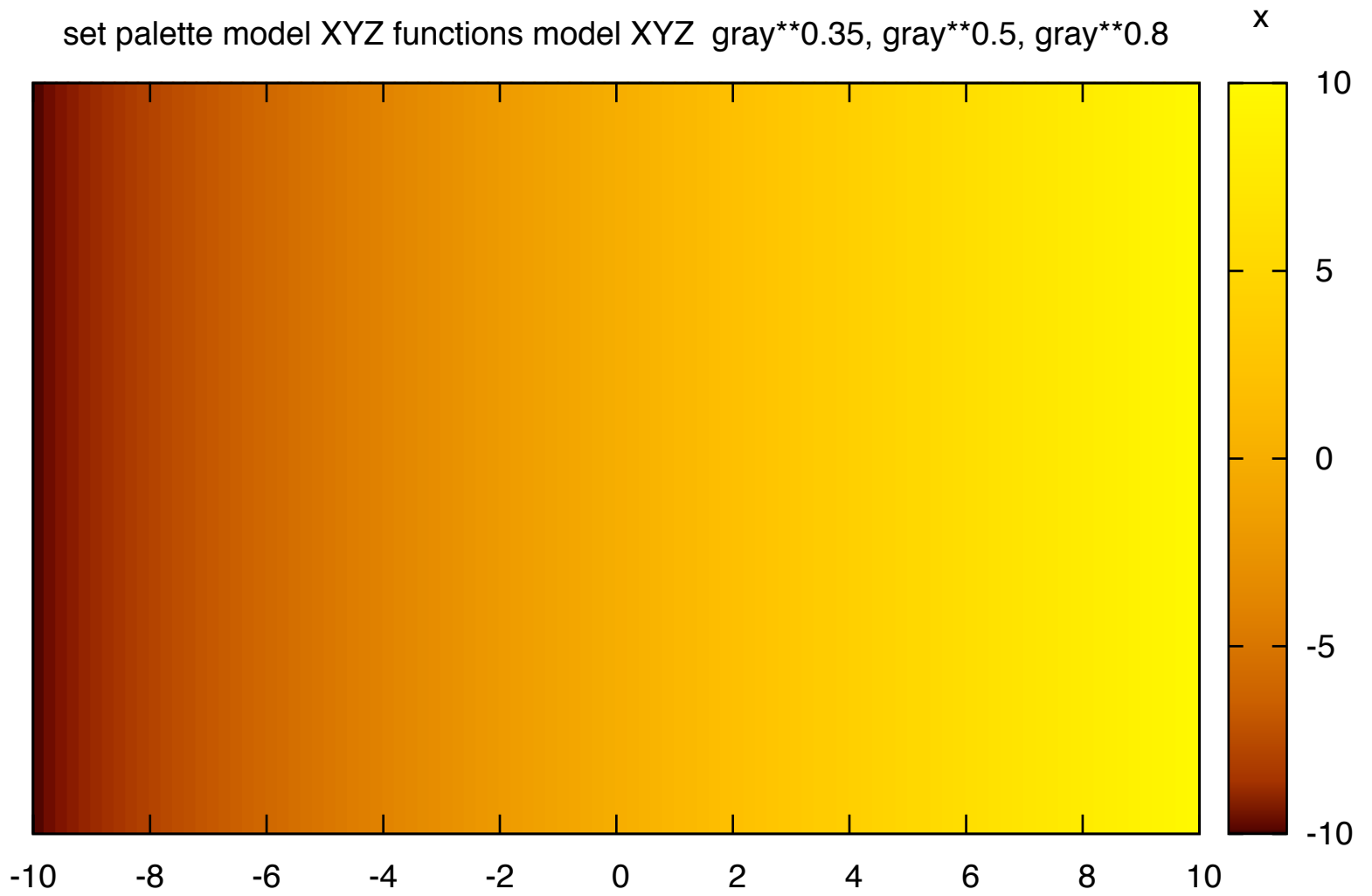
set palette functions sqrt(gray), gray**3, sin(gray*2*pi) <--> 7,5,15

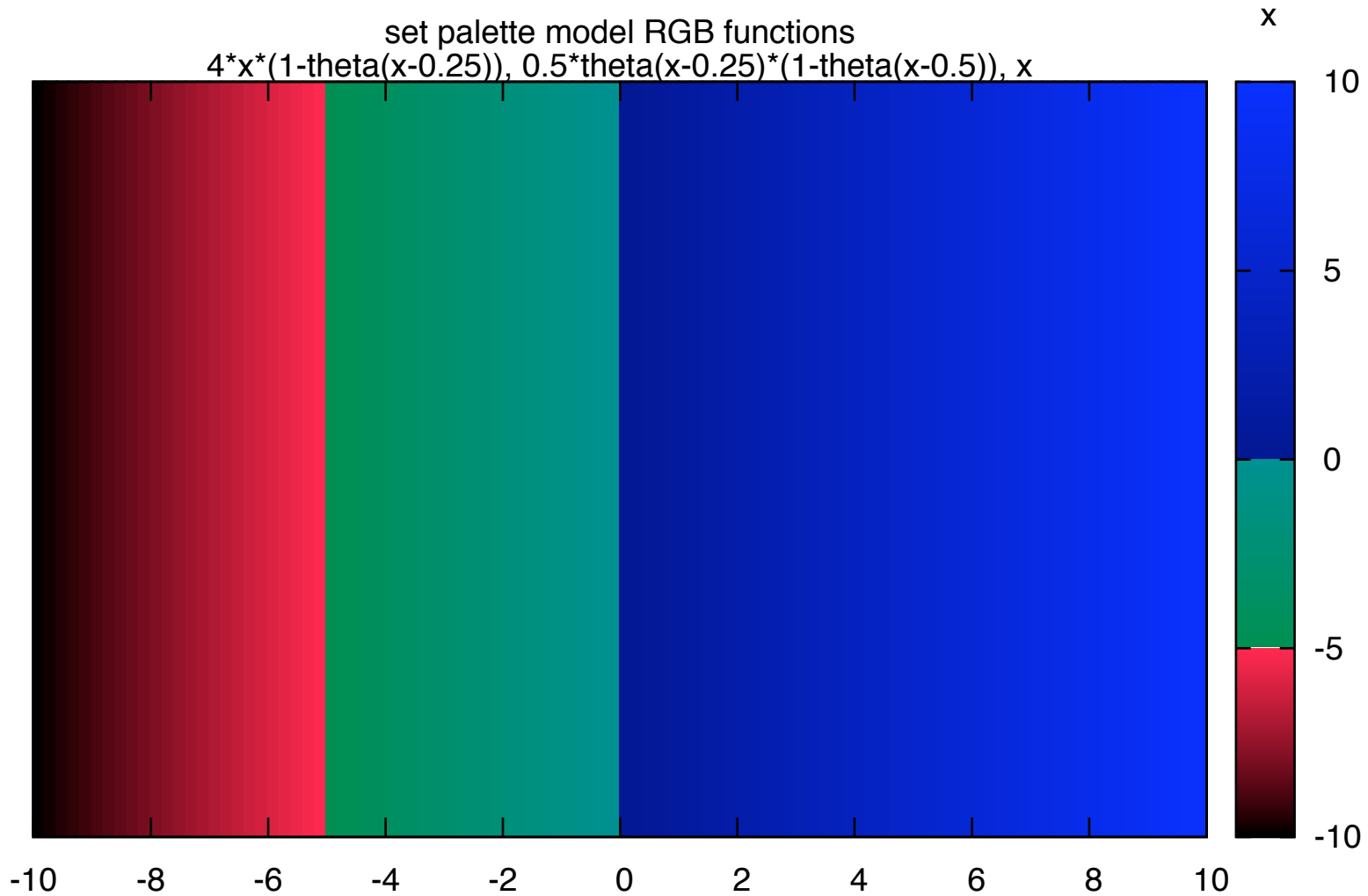


set palette rgbformulae 7,5,15

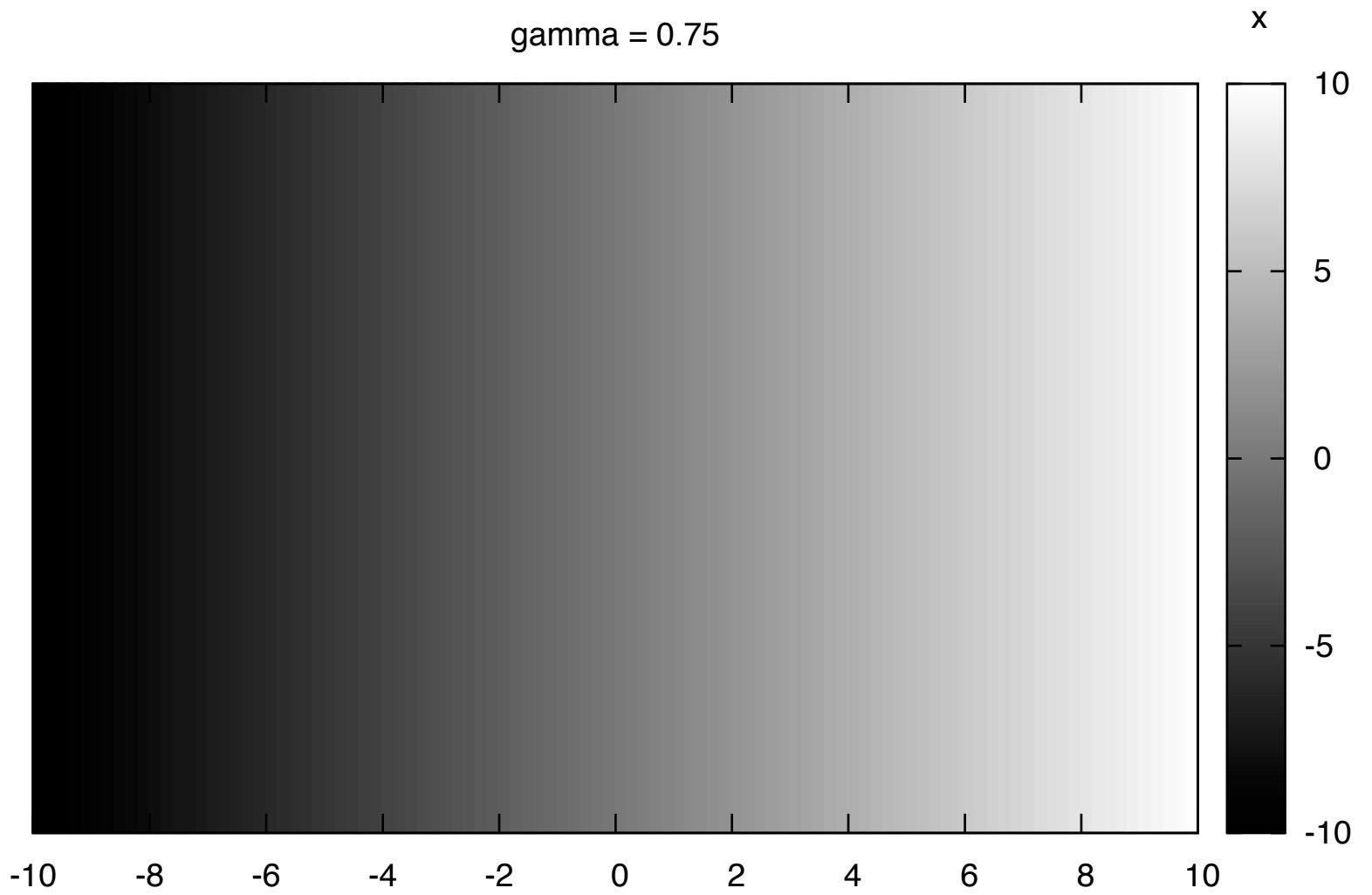


set palette model XYZ functions model XYZ gray**0.35, gray**0.5, gray**0.8

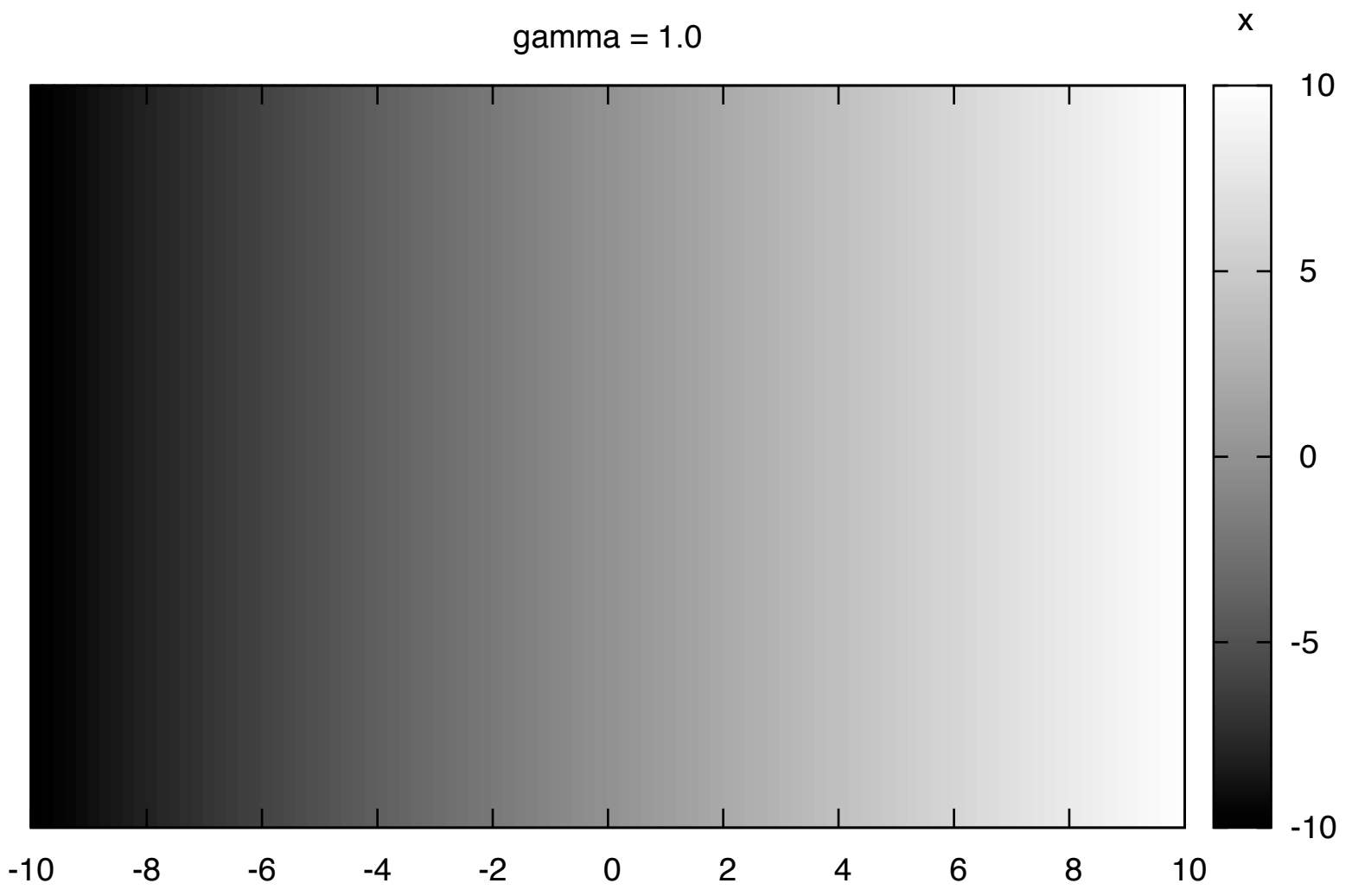




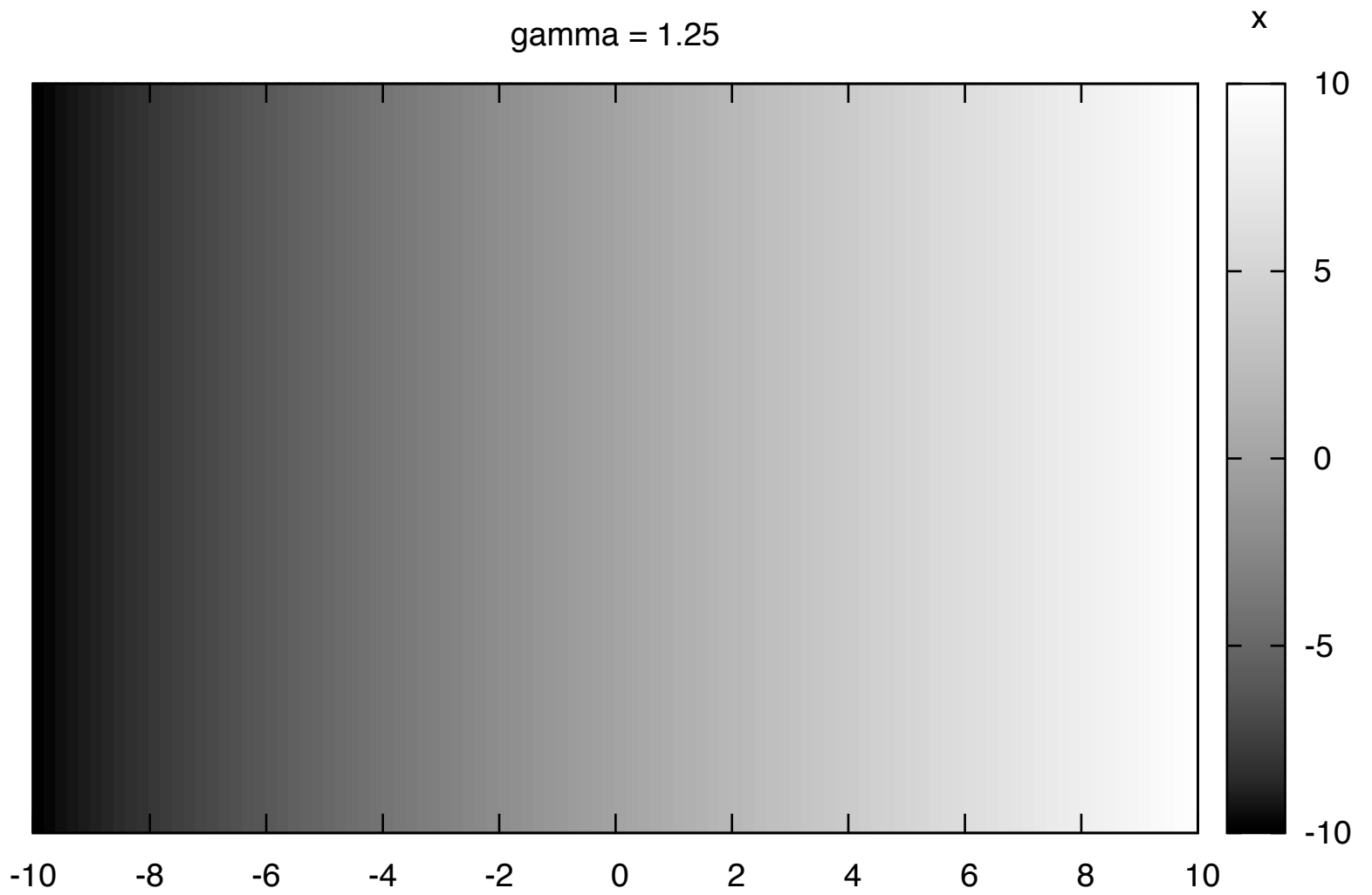
gamma = 0.75



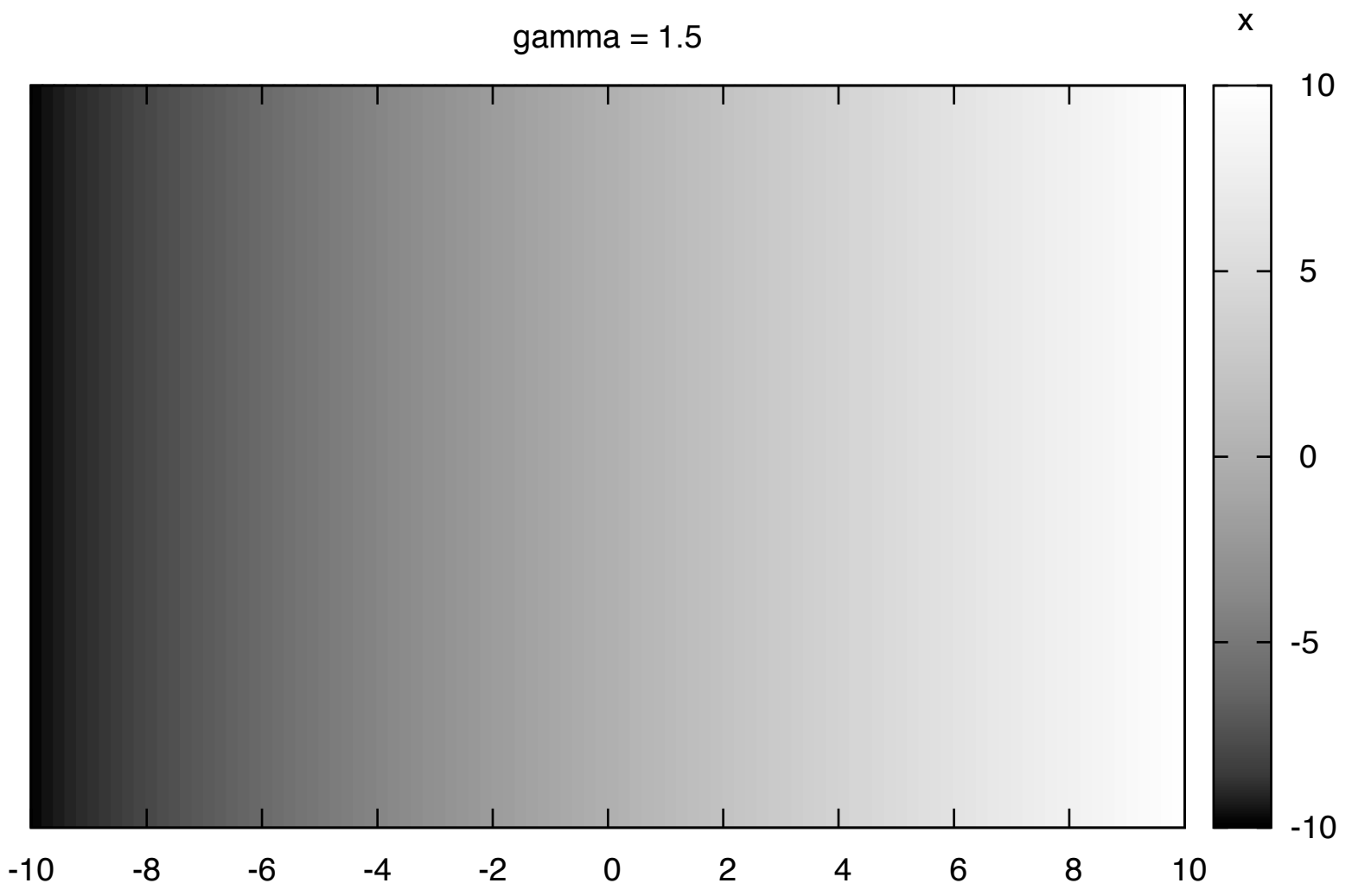
gamma = 1.0



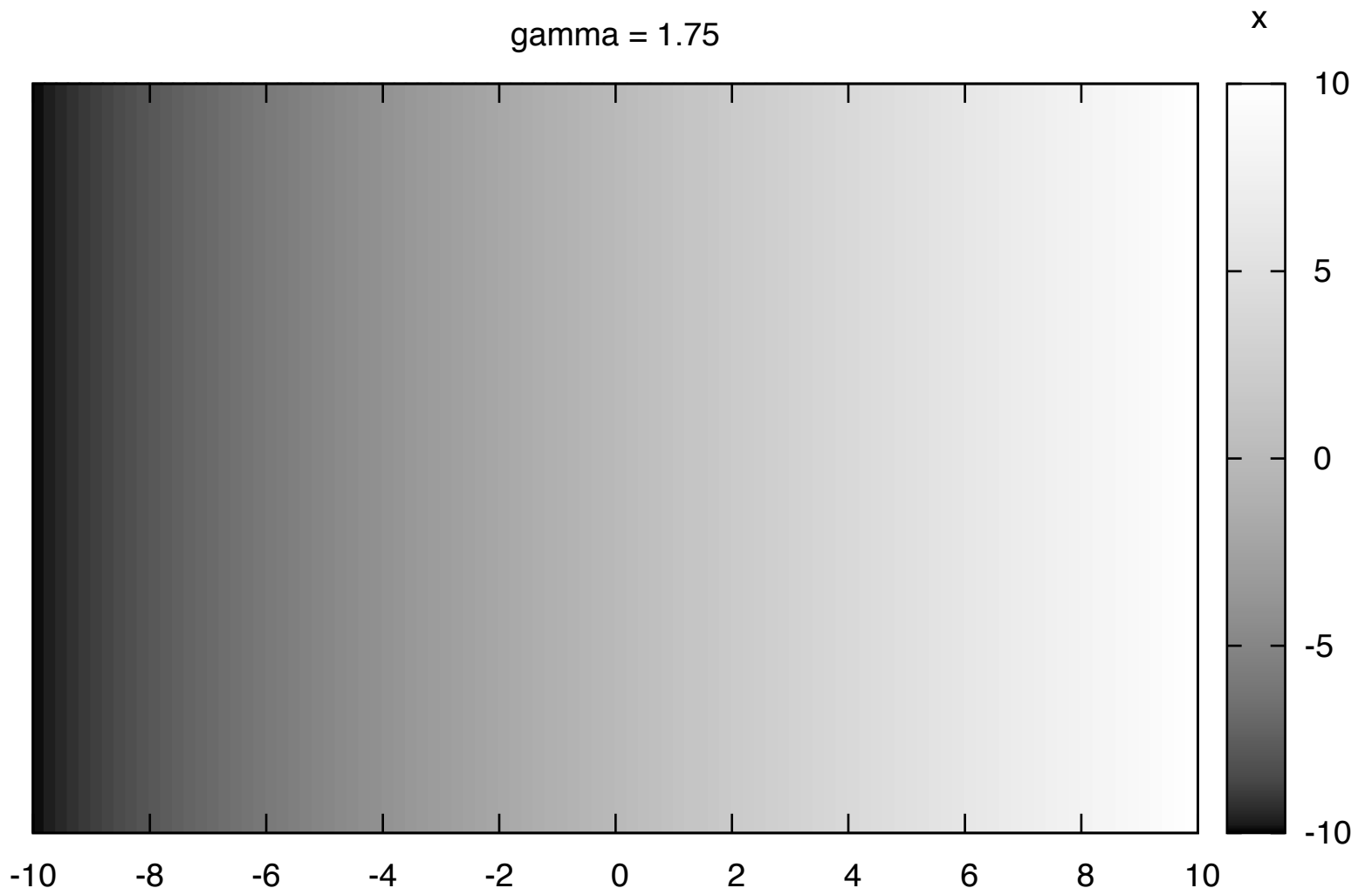
gamma = 1.25



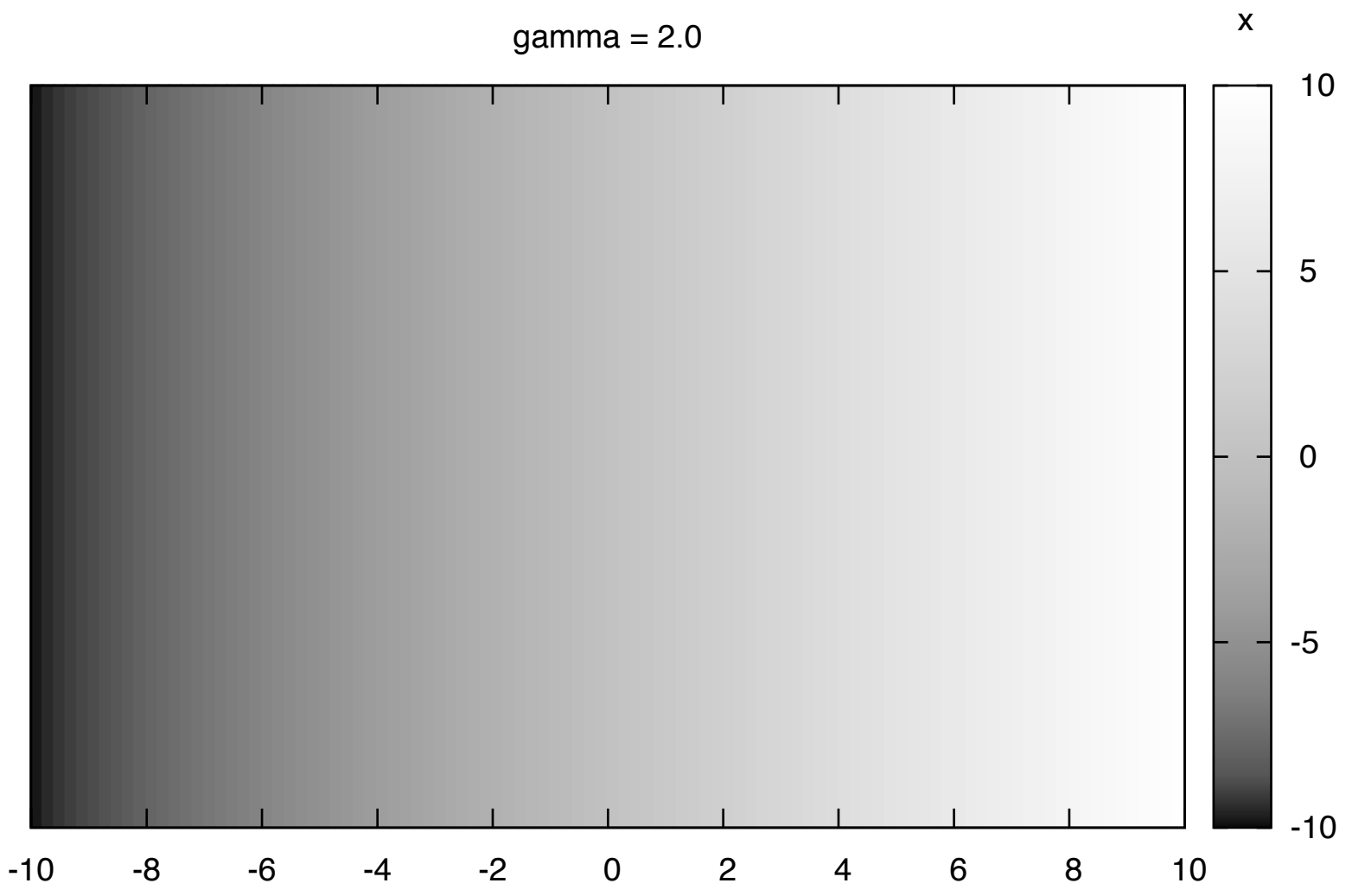
gamma = 1.5



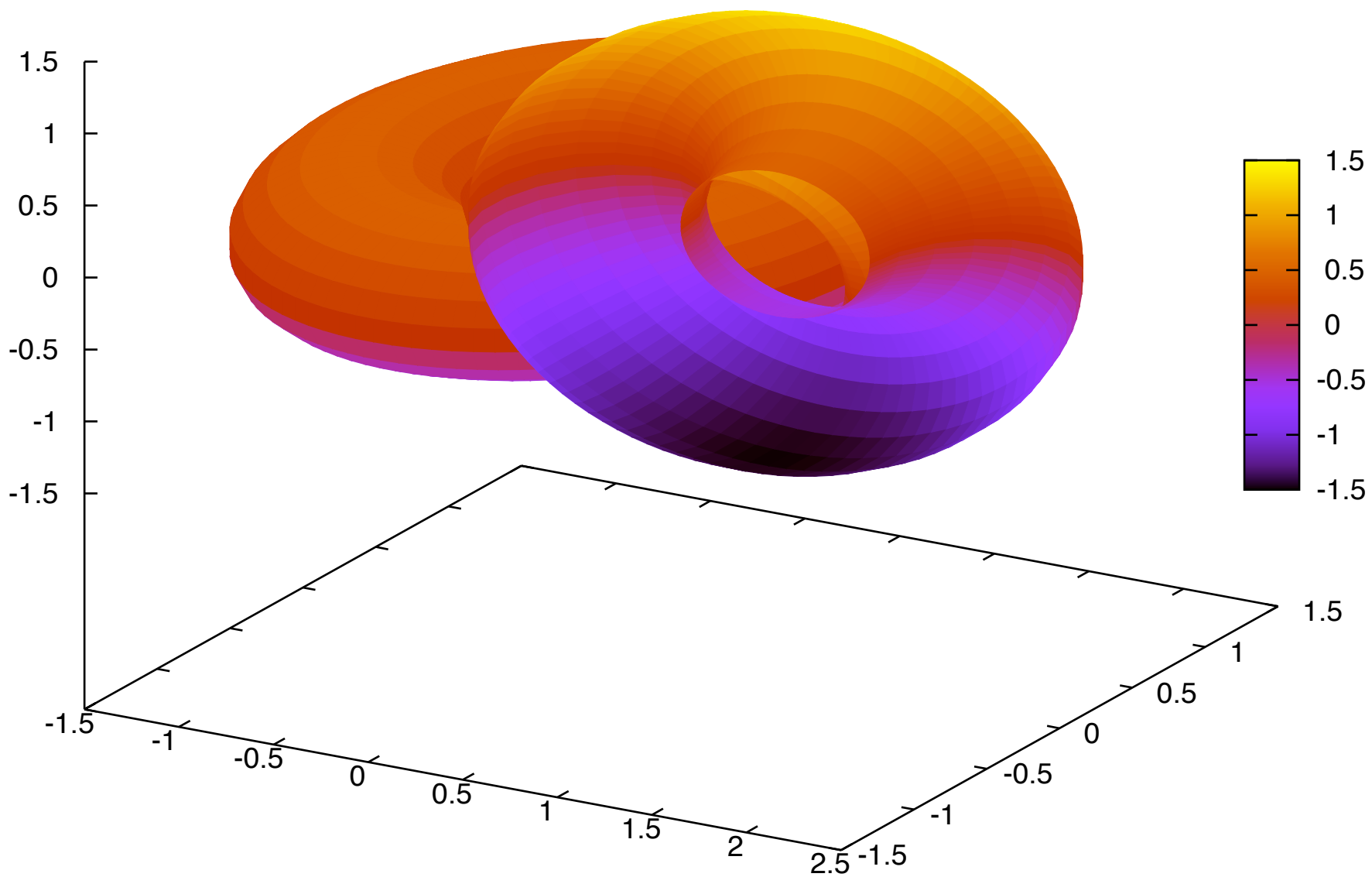
gamma = 1.75



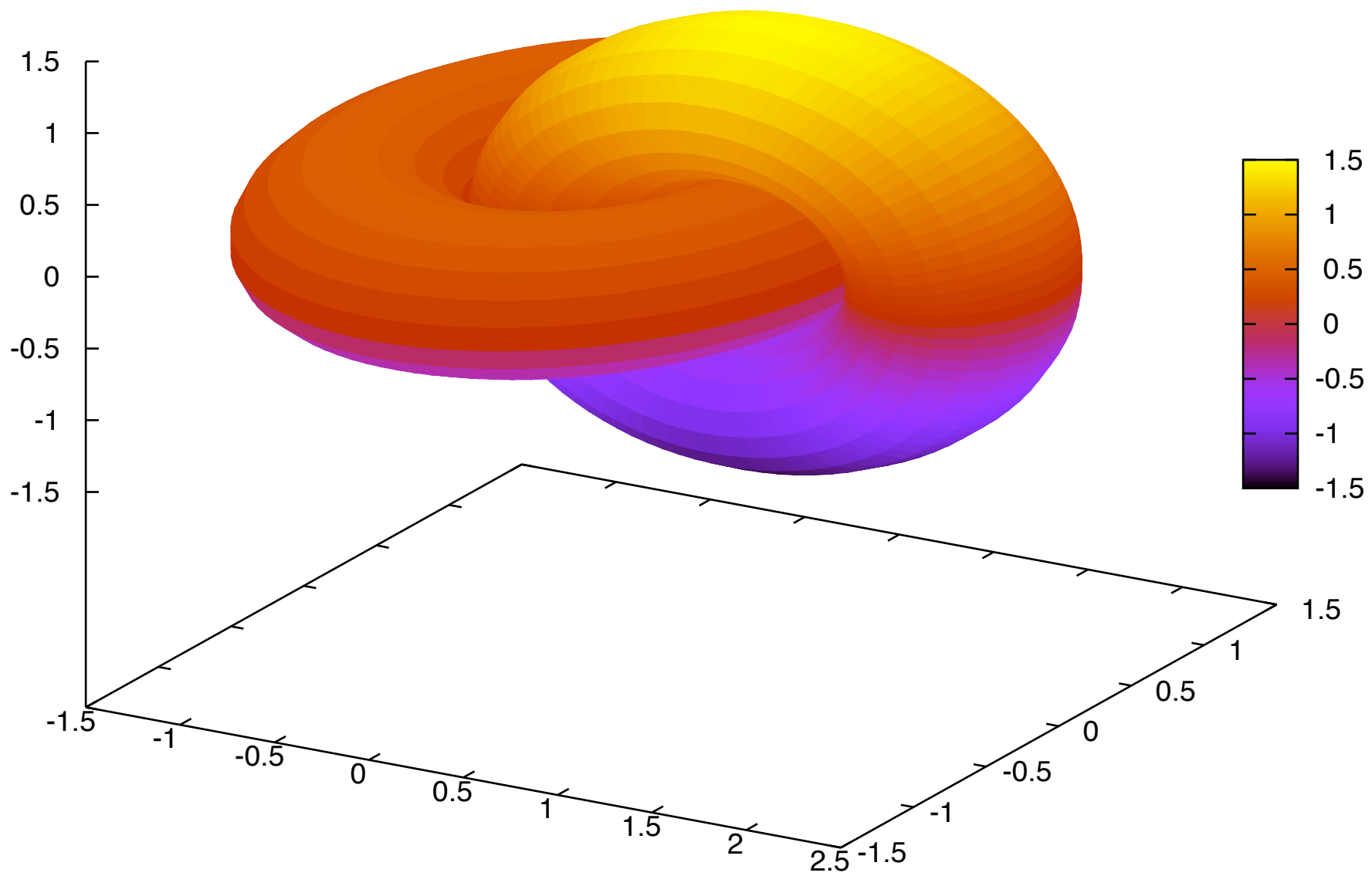
gamma = 2.0



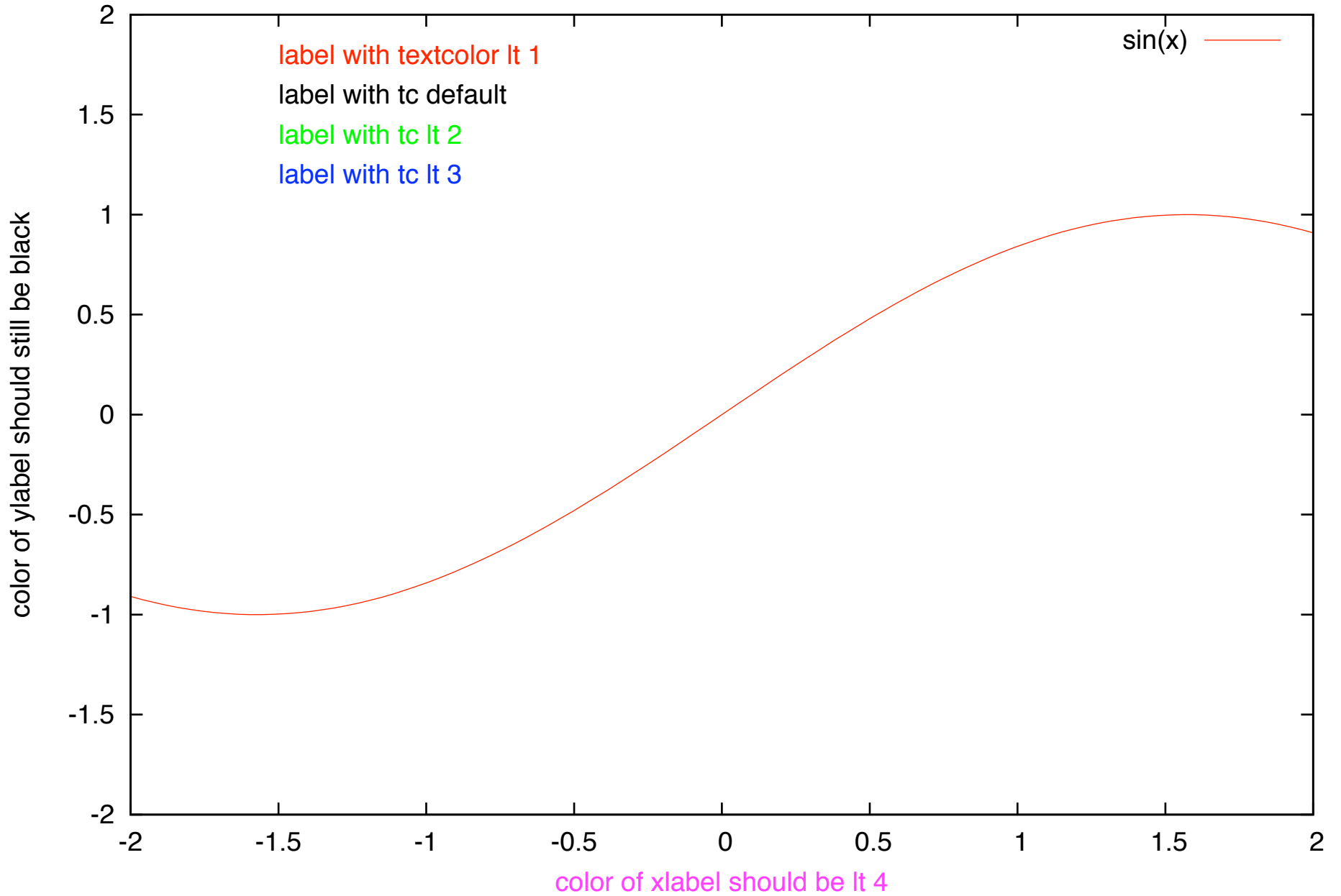
Interlocking Tori - PM3D surface with no depth sorting



Interlocking Tori - PM3D surface with depth sorting

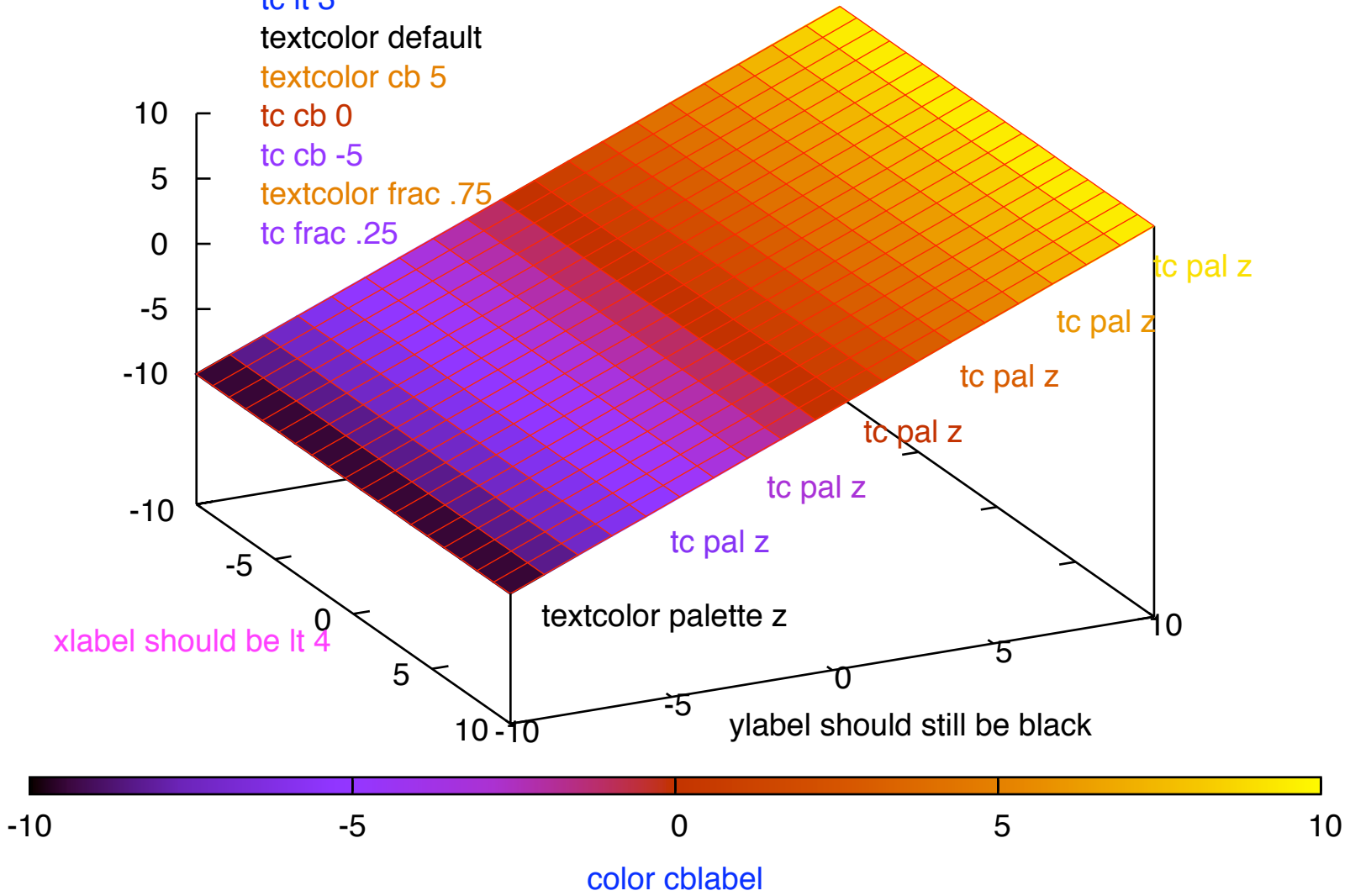
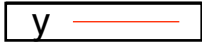


Textcolor options in 2D plot (notice this title in color)

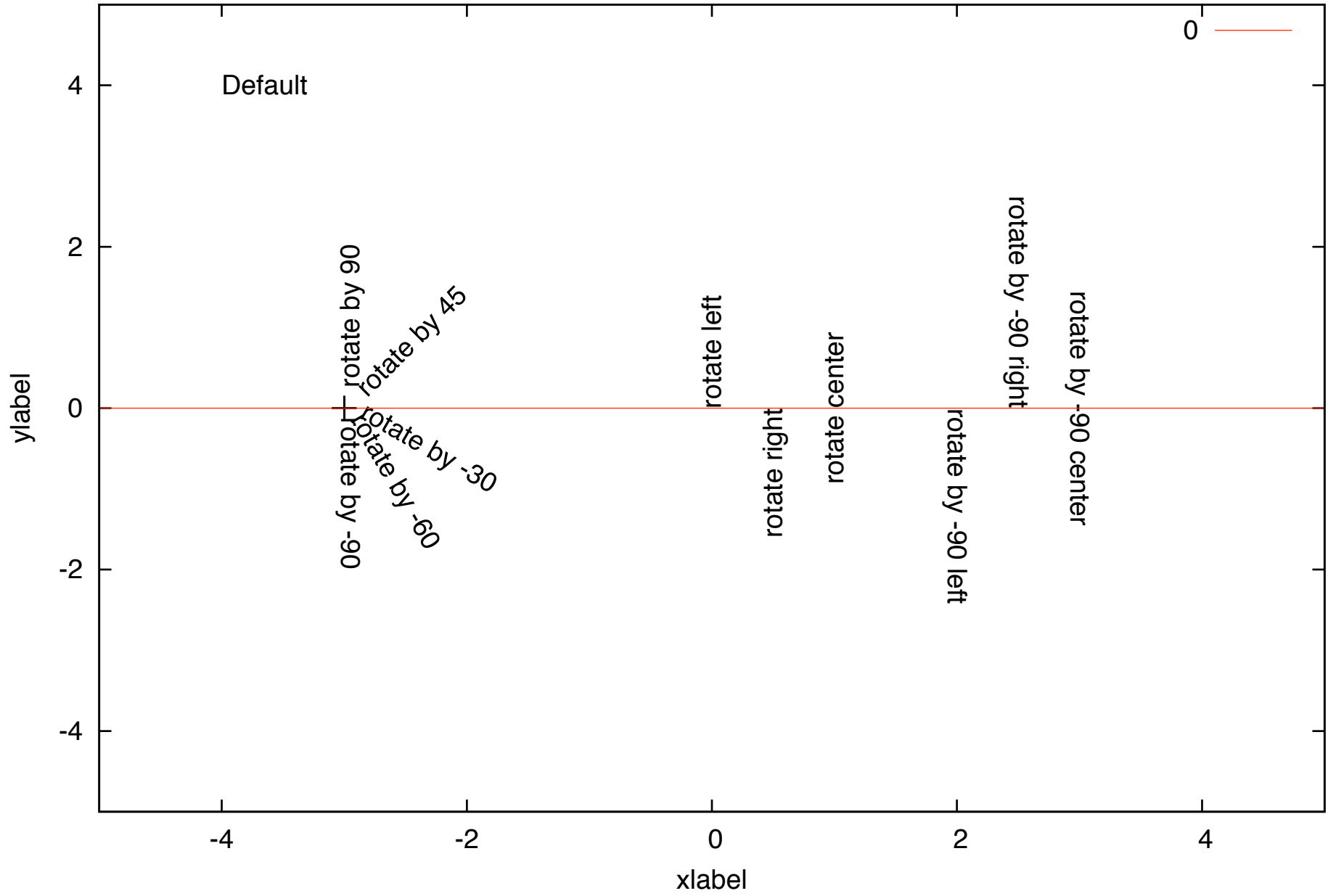


Textcolor options in splot (notice this title in color)

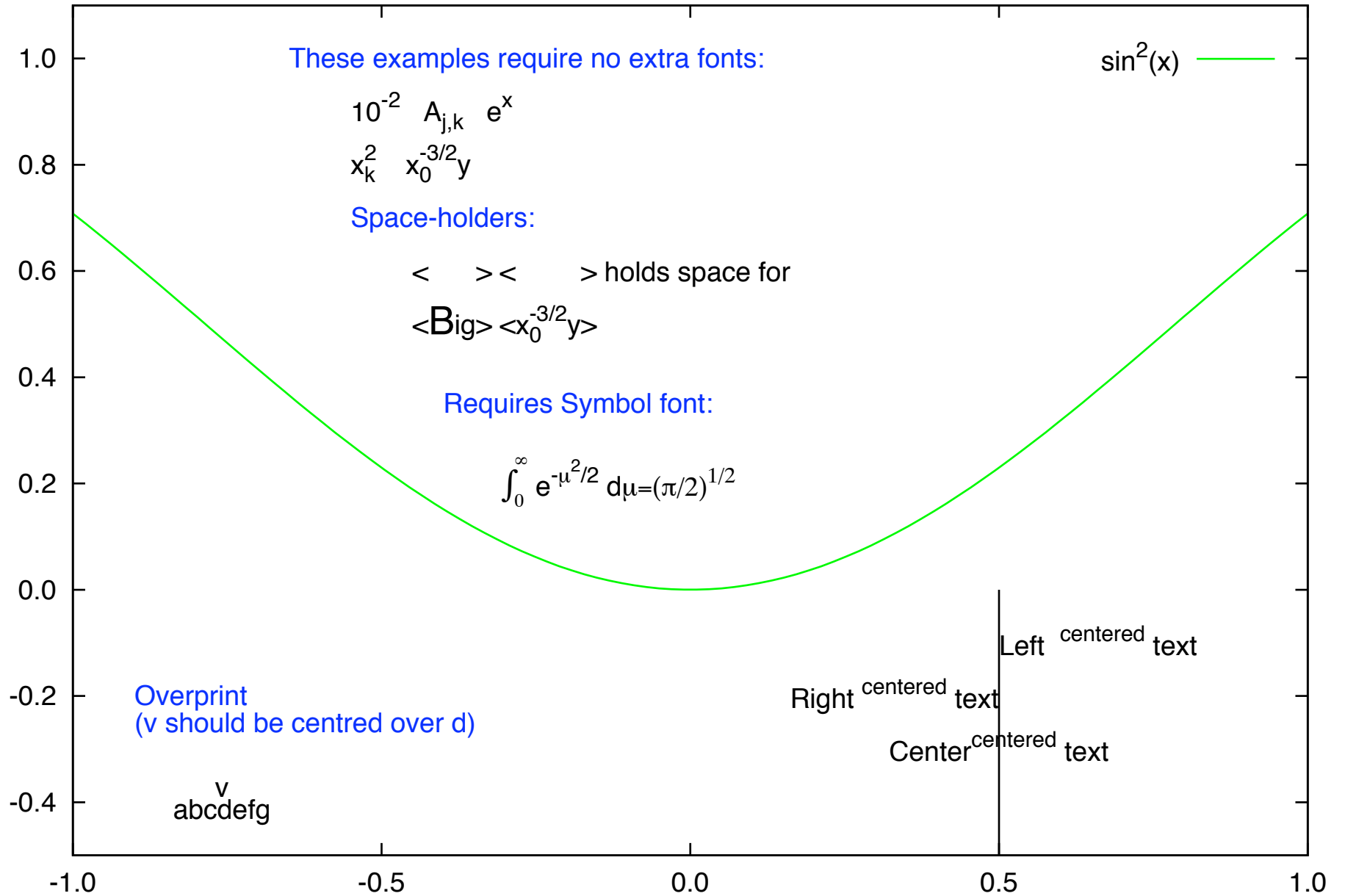
- textcolor lt 1
- tc lt 2
- tc lt 3
- textcolor default
- textcolor cb 5
- tc cb 0
- tc cb -5
- textcolor frac .75
- tc frac .25



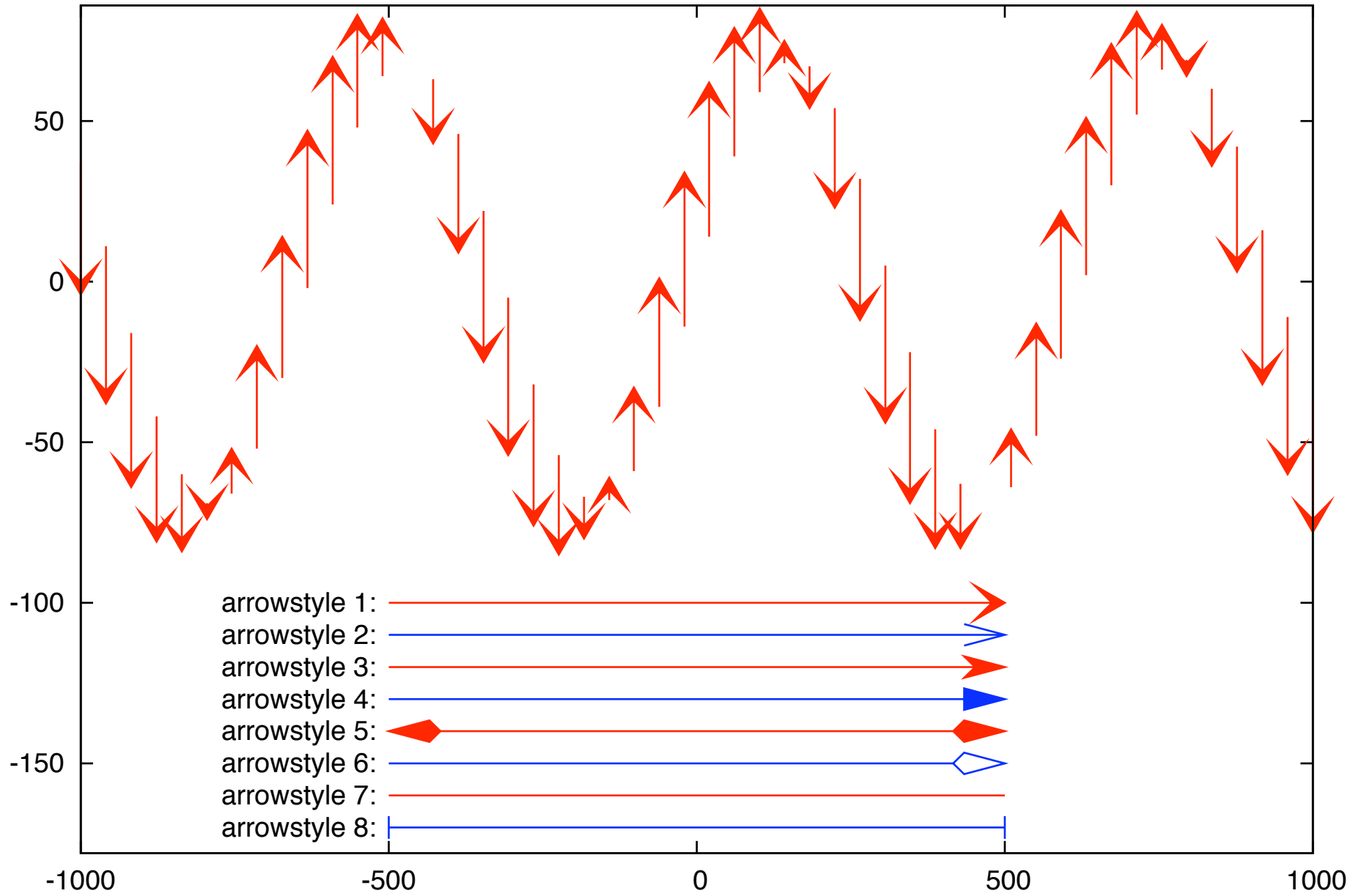
Rotation of label text



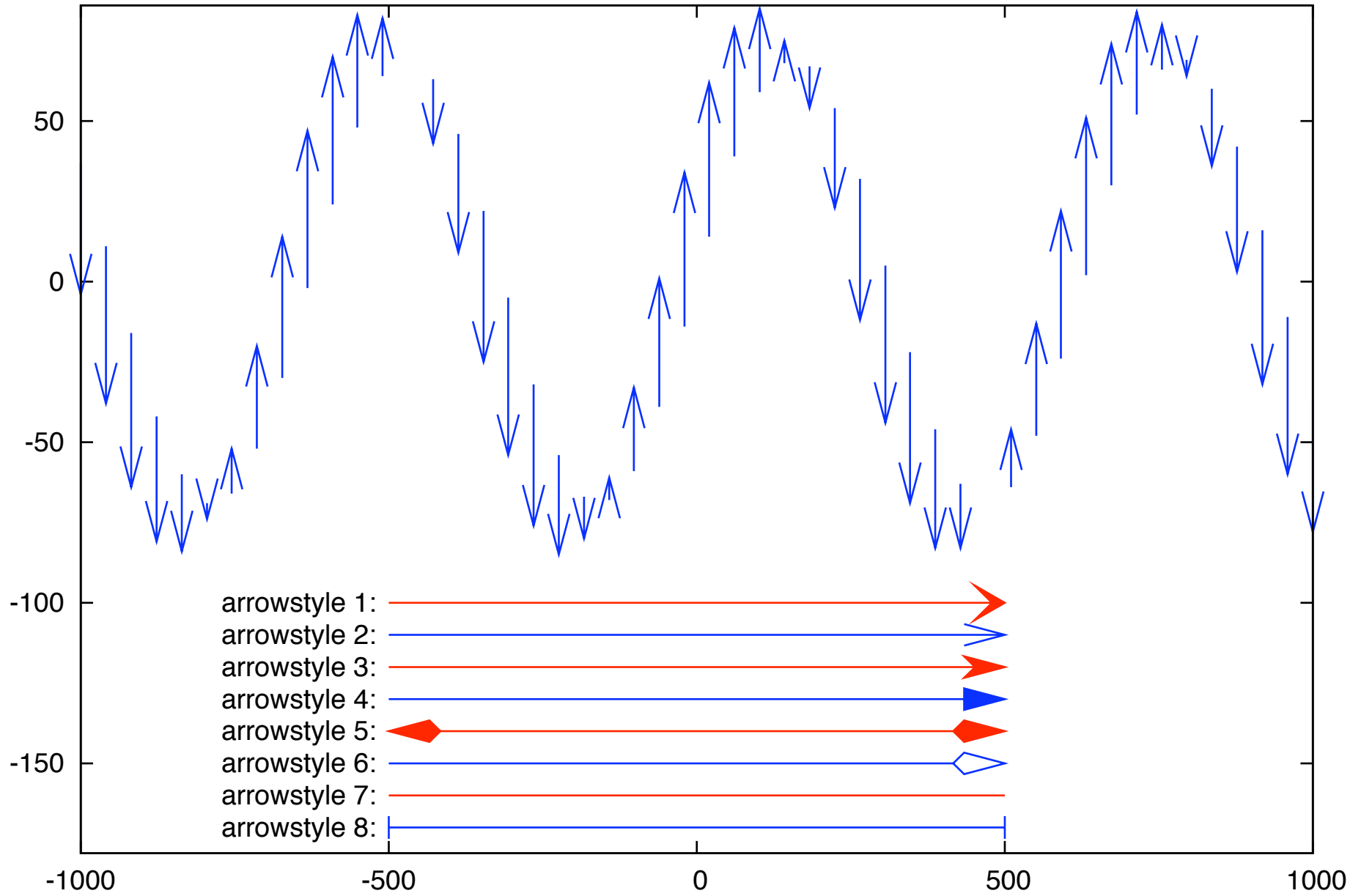
Test page for enhanced text mode



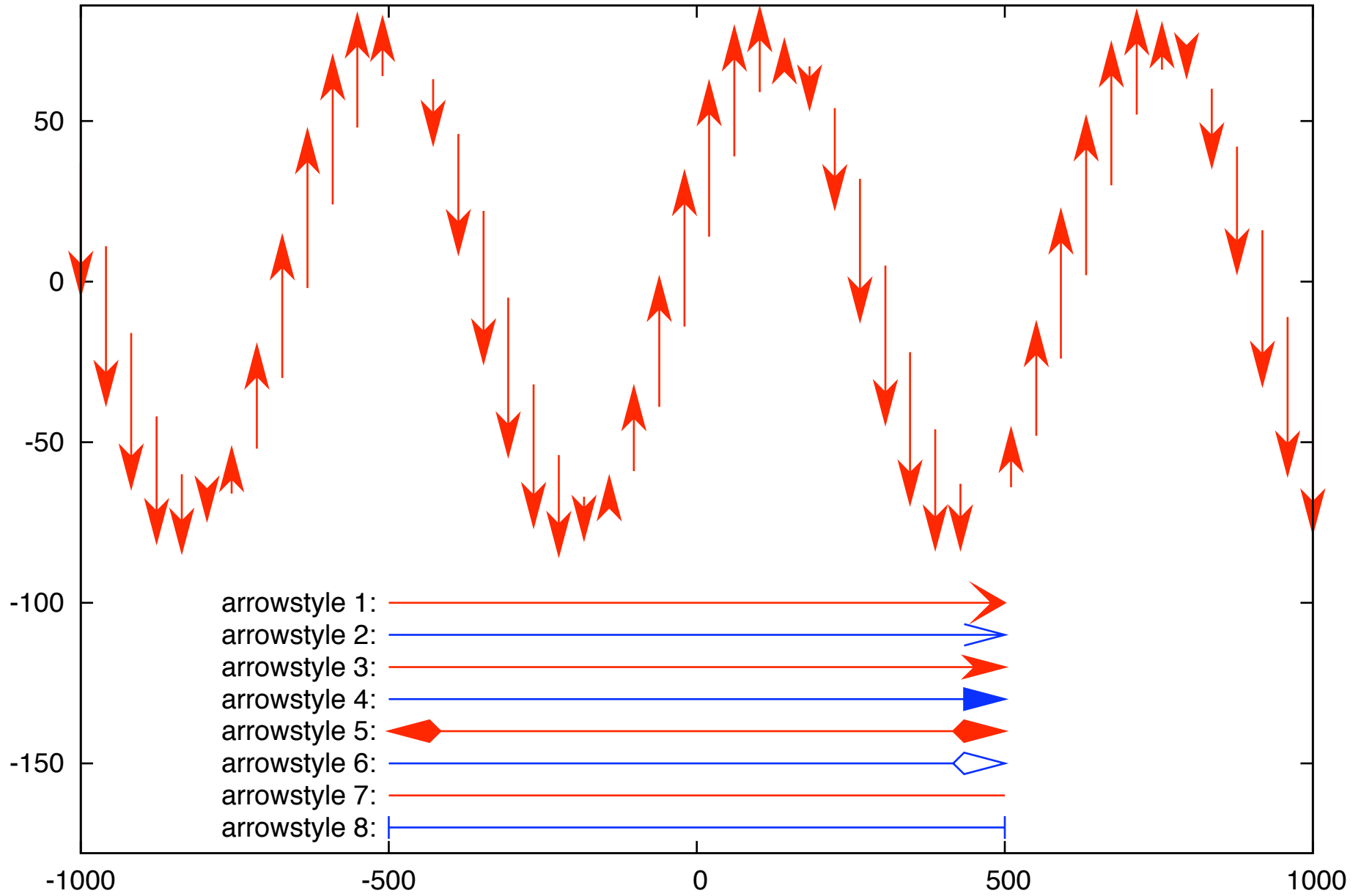
Top: plot with vectors arrowstyle 1, Bottom: explicit arrows



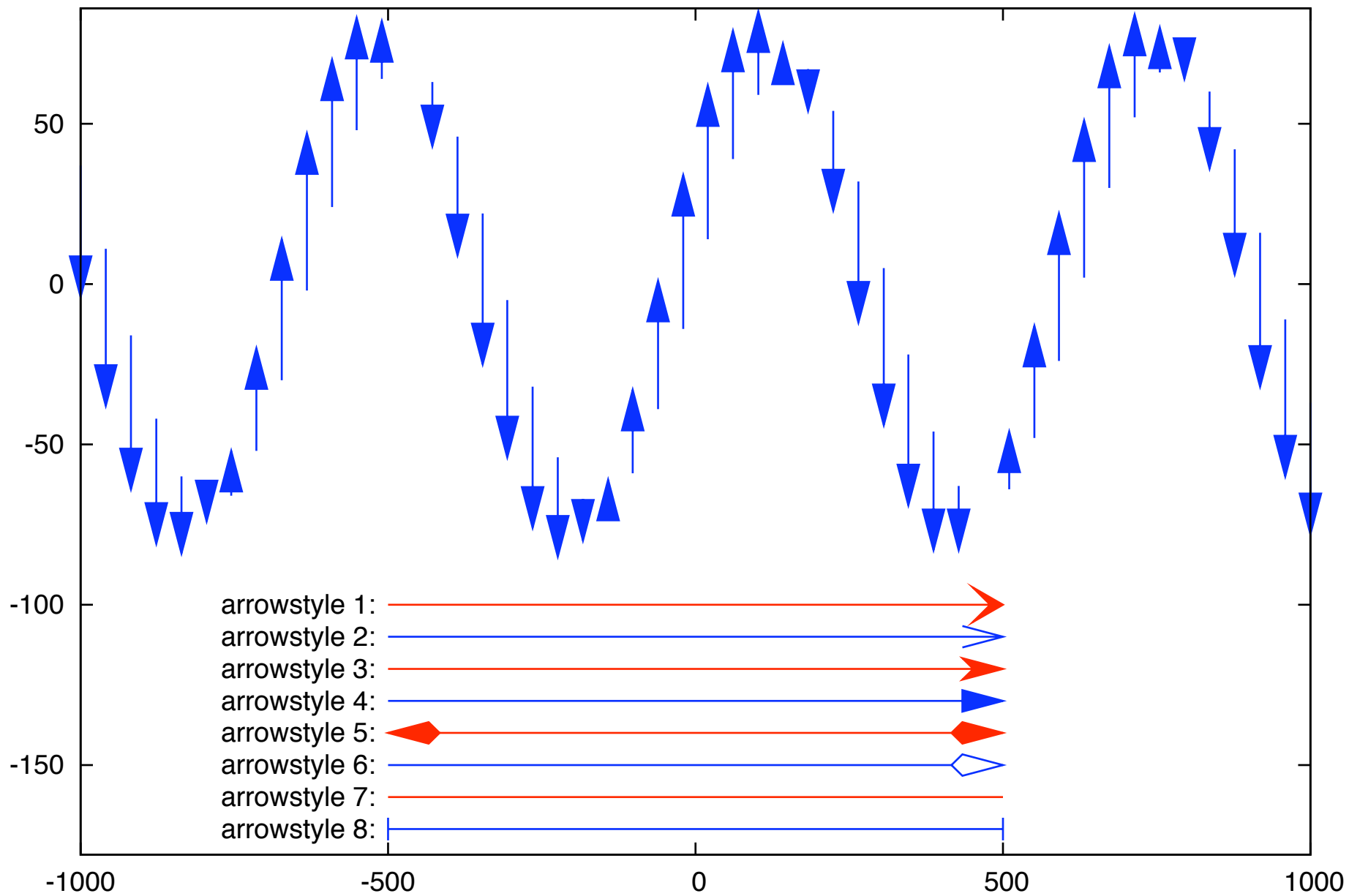
Top: plot with vectors arrowstyle 2, Bottom: explicit arrows



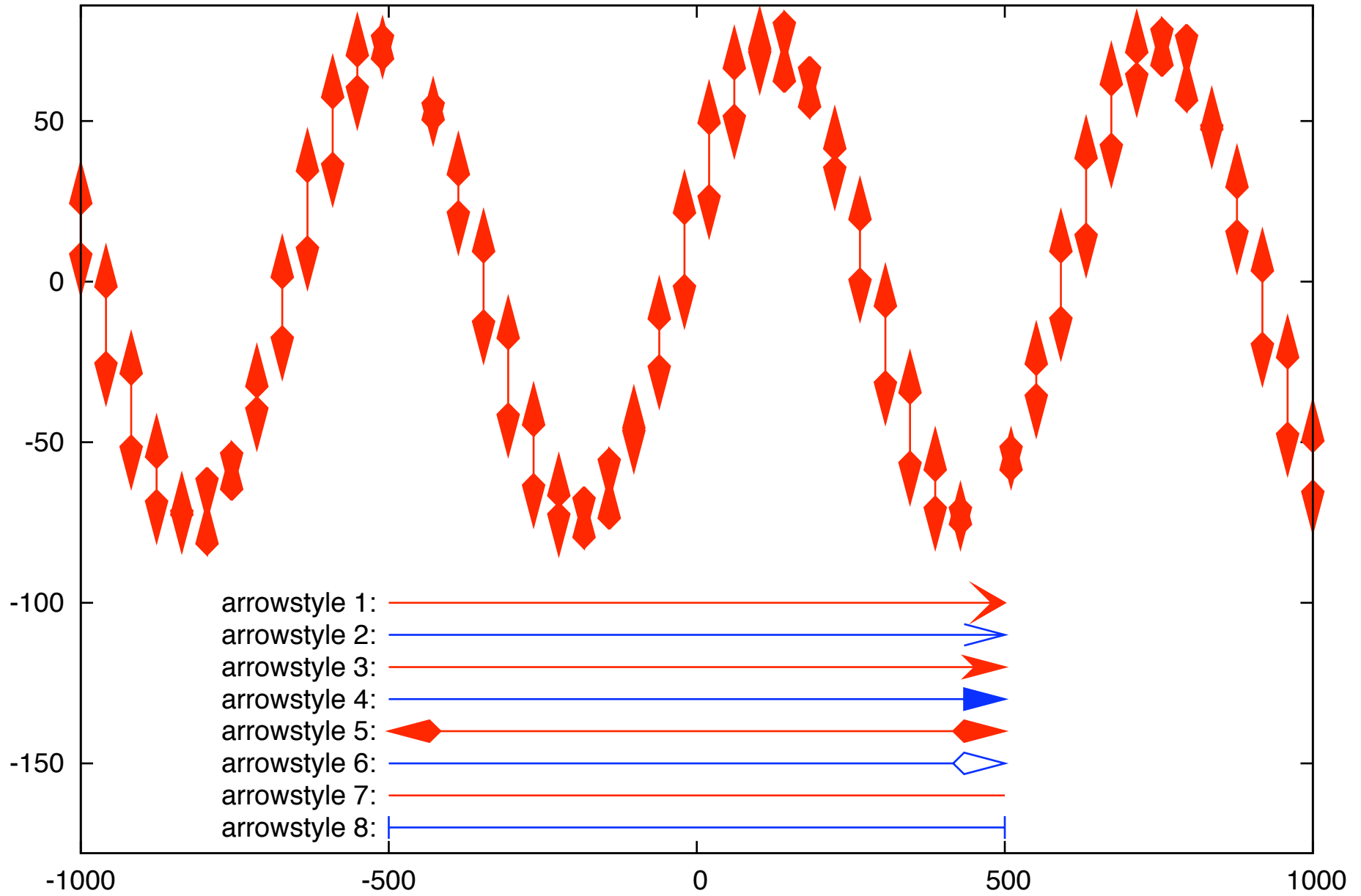
Top: plot with vectors arrowstyle 3, Bottom: explicit arrows



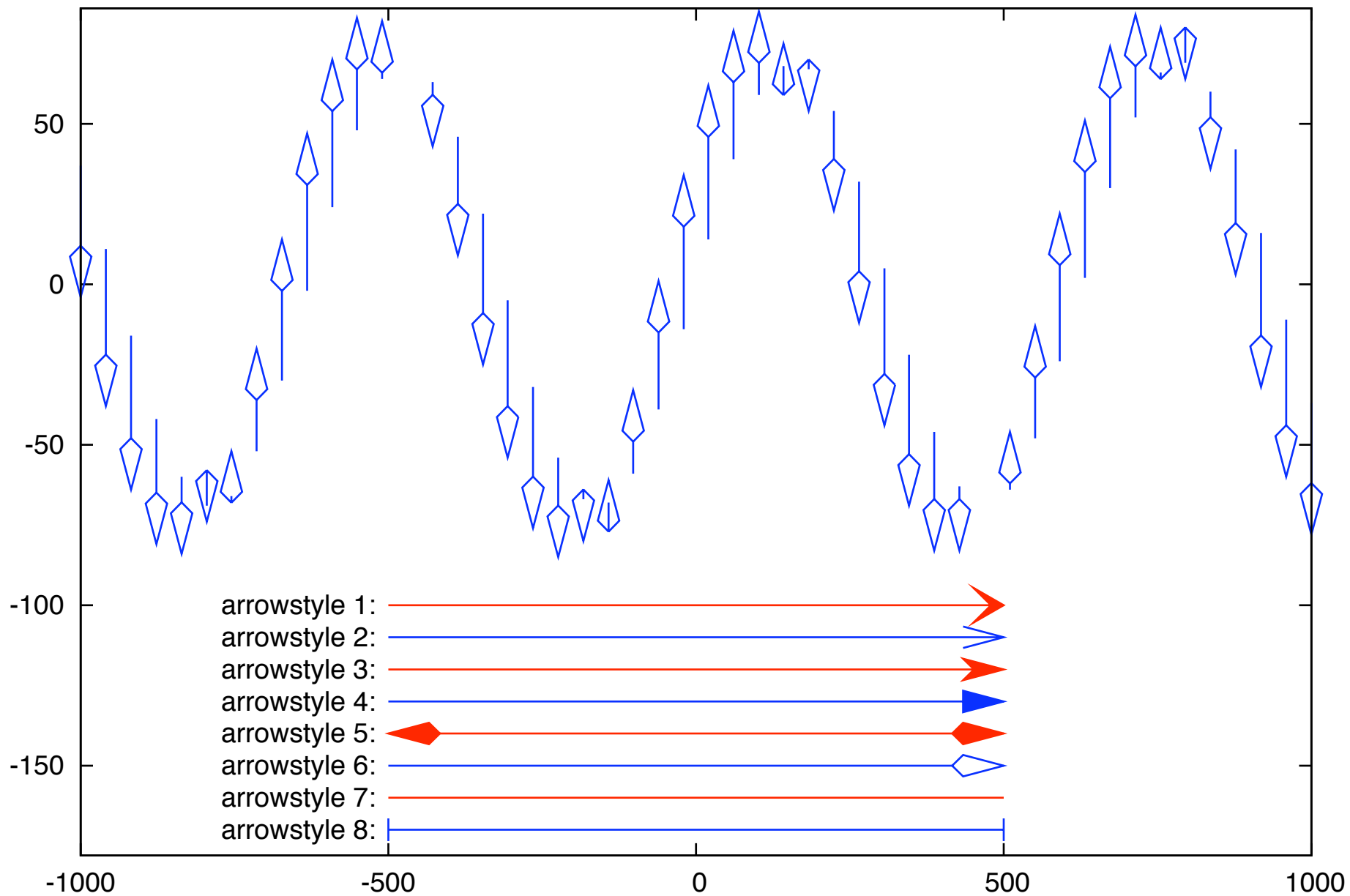
Top: plot with vectors arrowstyle 4, Bottom: explicit arrows



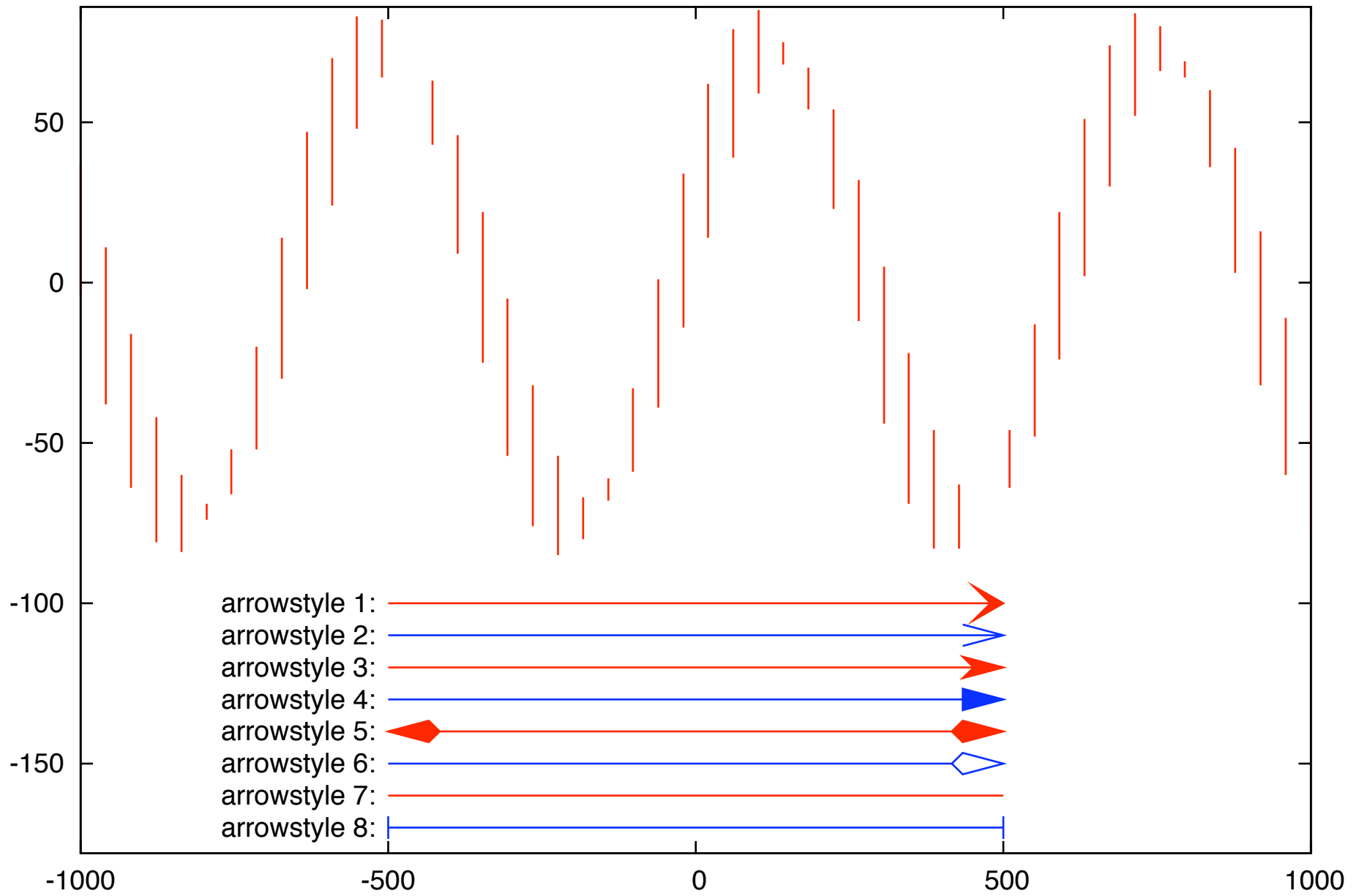
Top: plot with vectors arrowstyle 5, Bottom: explicit arrows



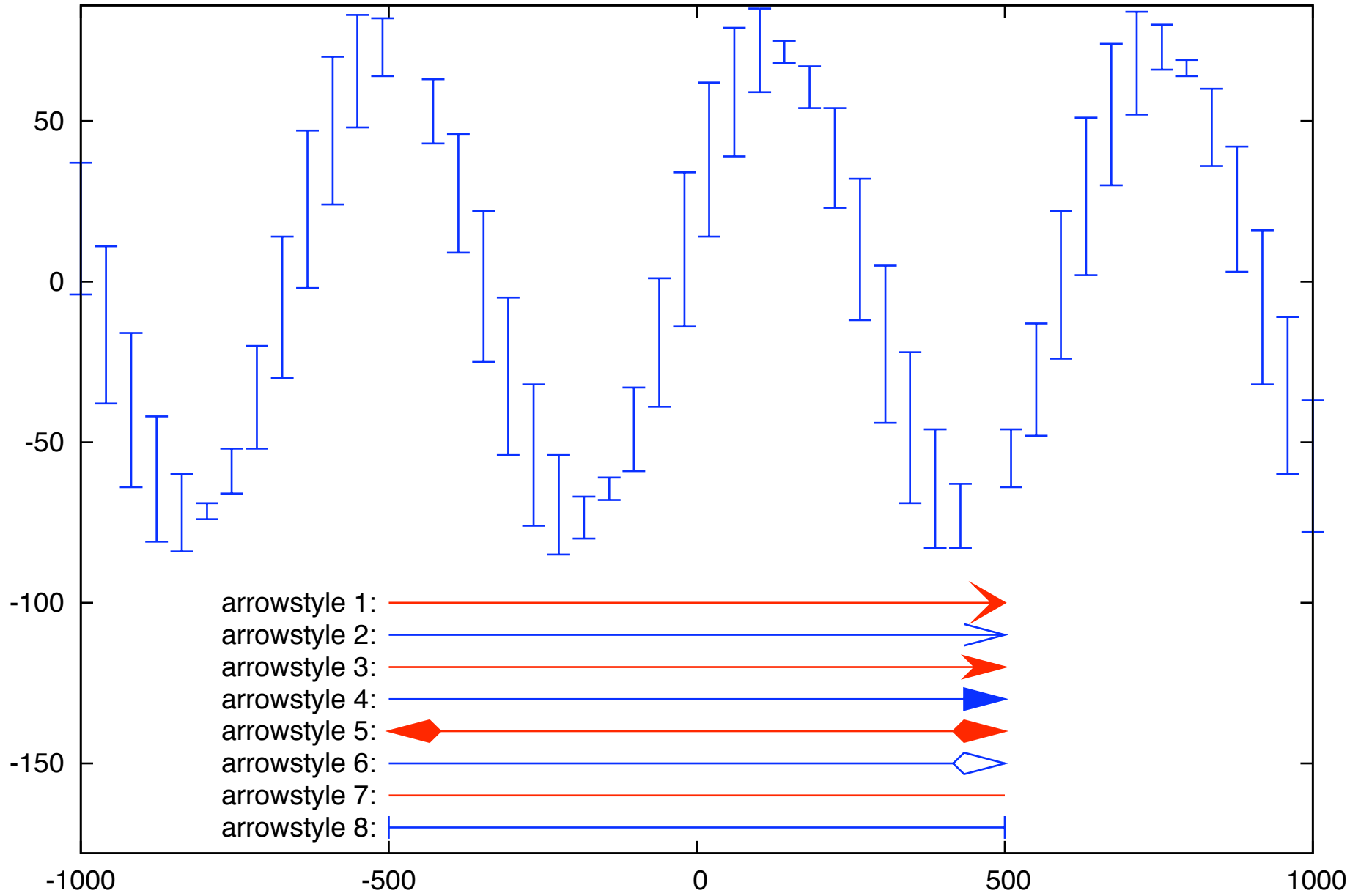
Top: plot with vectors arrowstyle 6, Bottom: explicit arrows



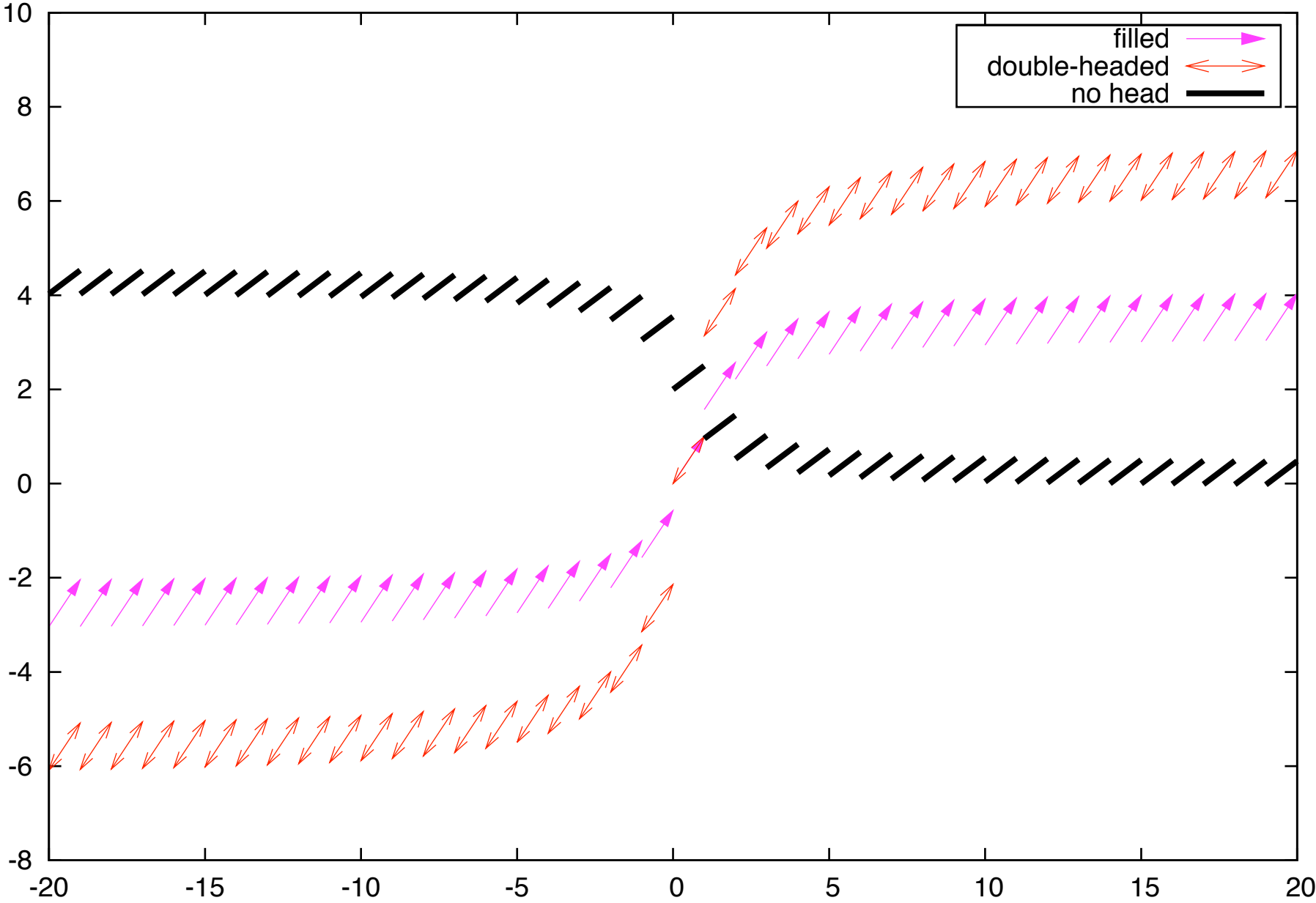
Top: plot with vectors arrowstyle 7, Bottom: explicit arrows

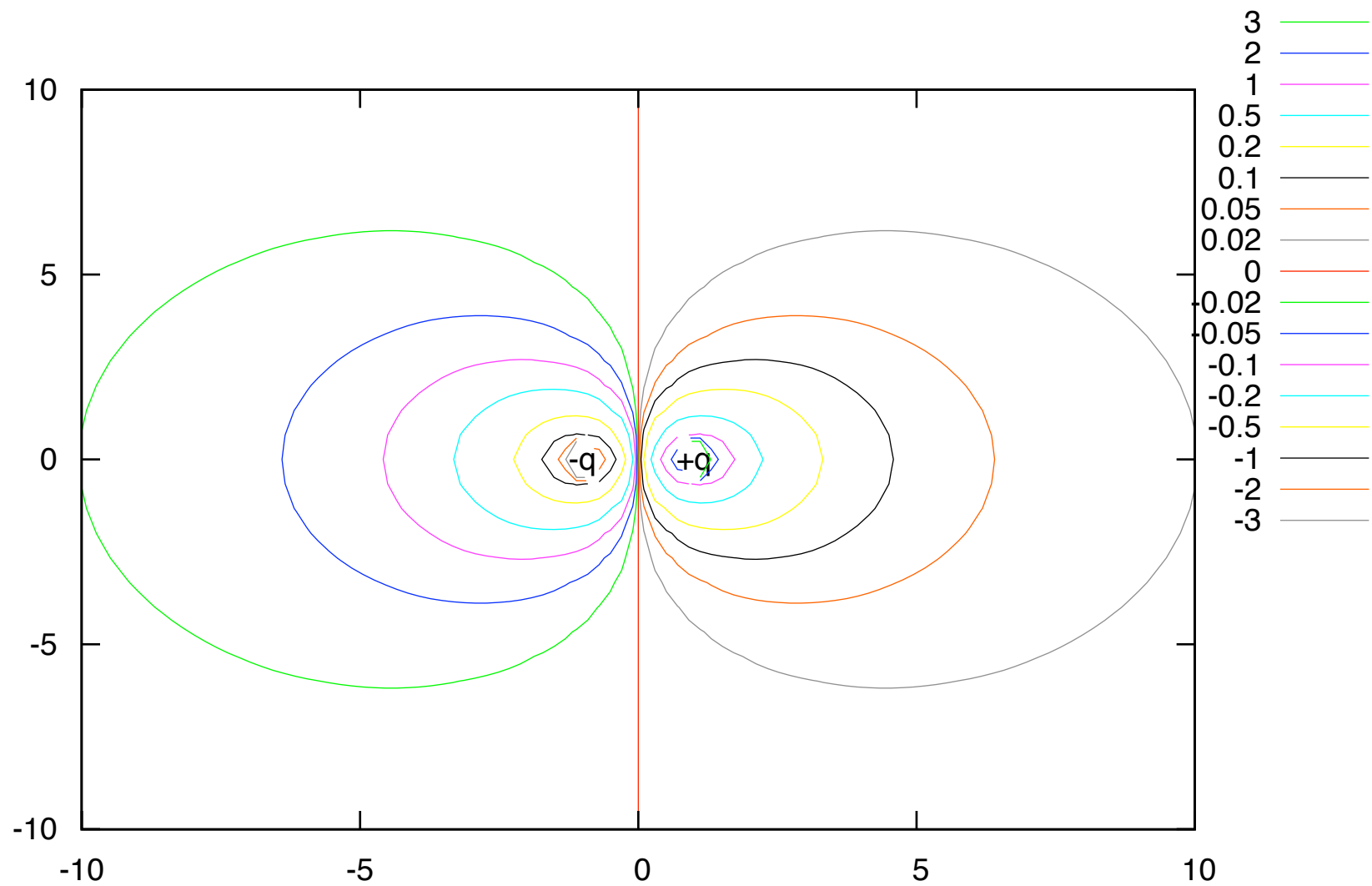


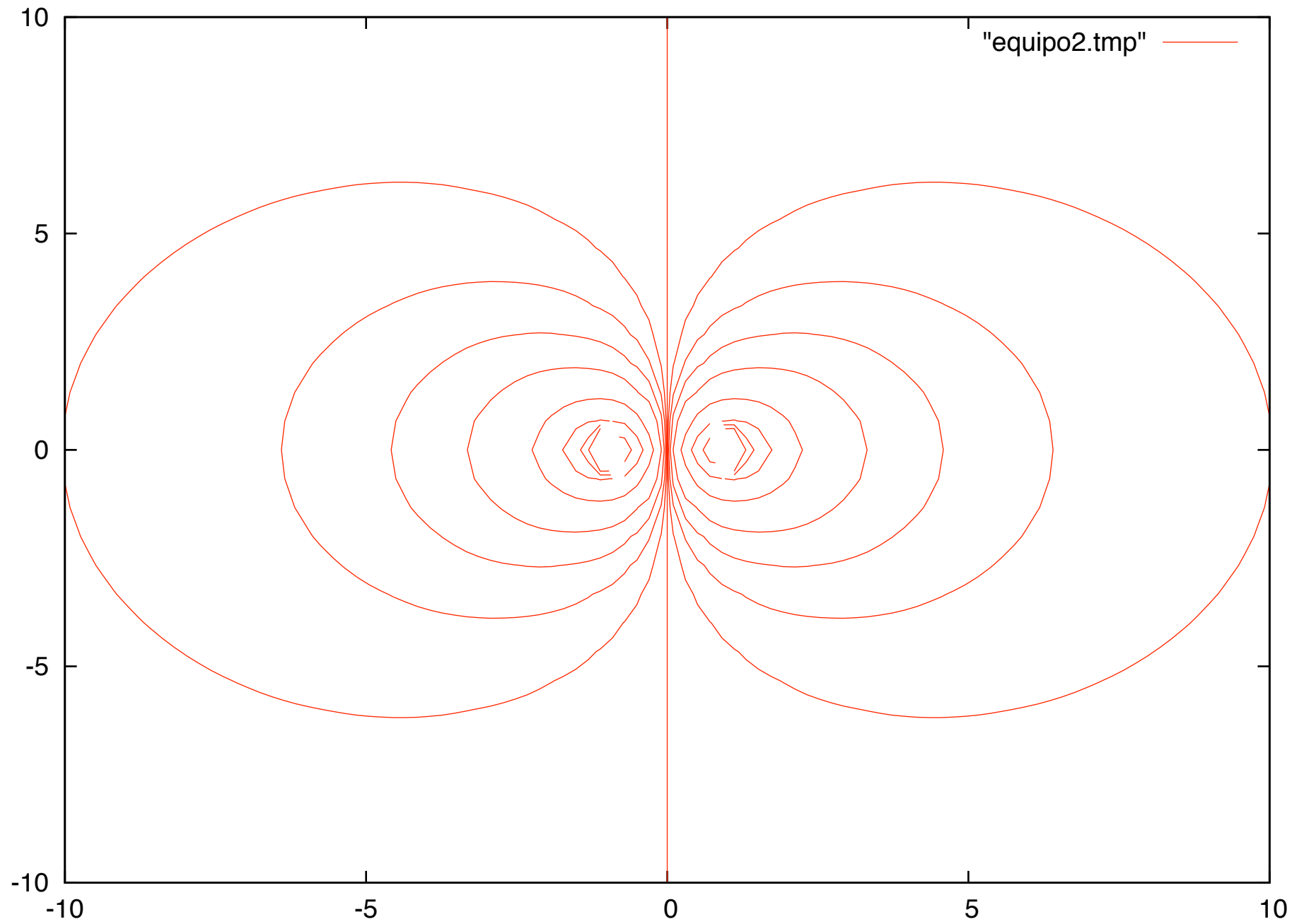
Top: plot with vectors arrowstyle 8, Bottom: explicit arrows

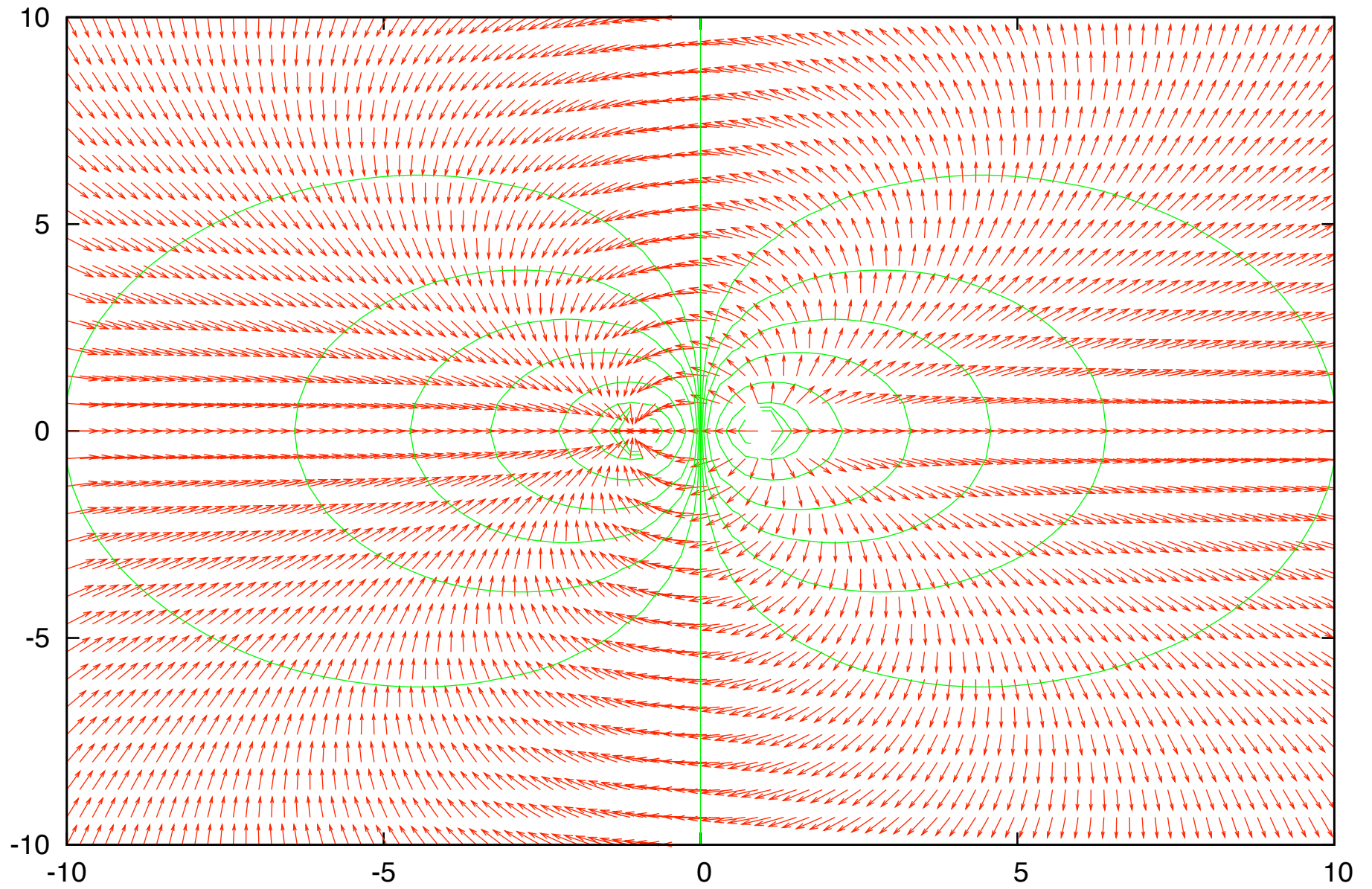


Plot 'file' with vectors <arrowstyle>



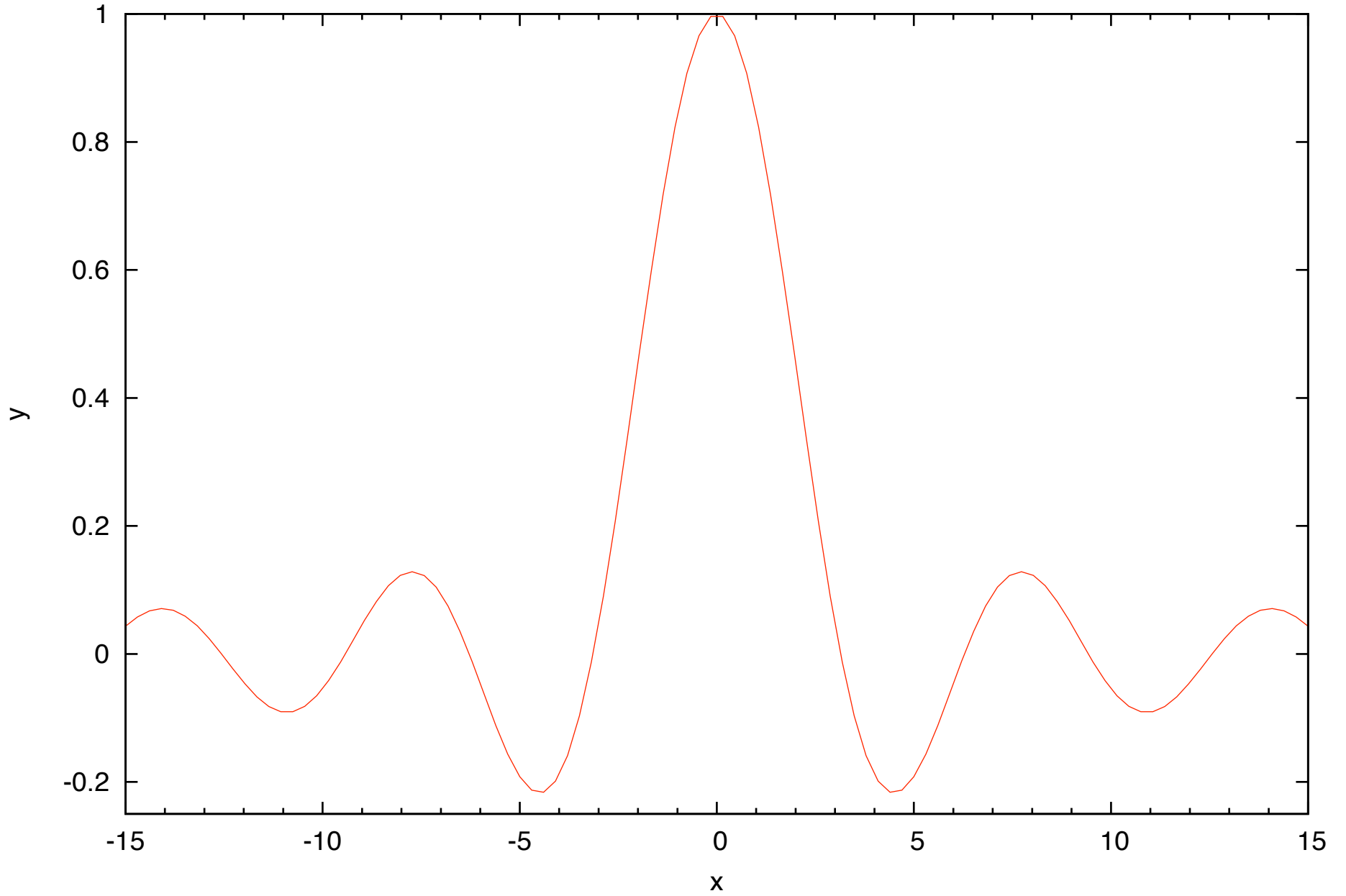




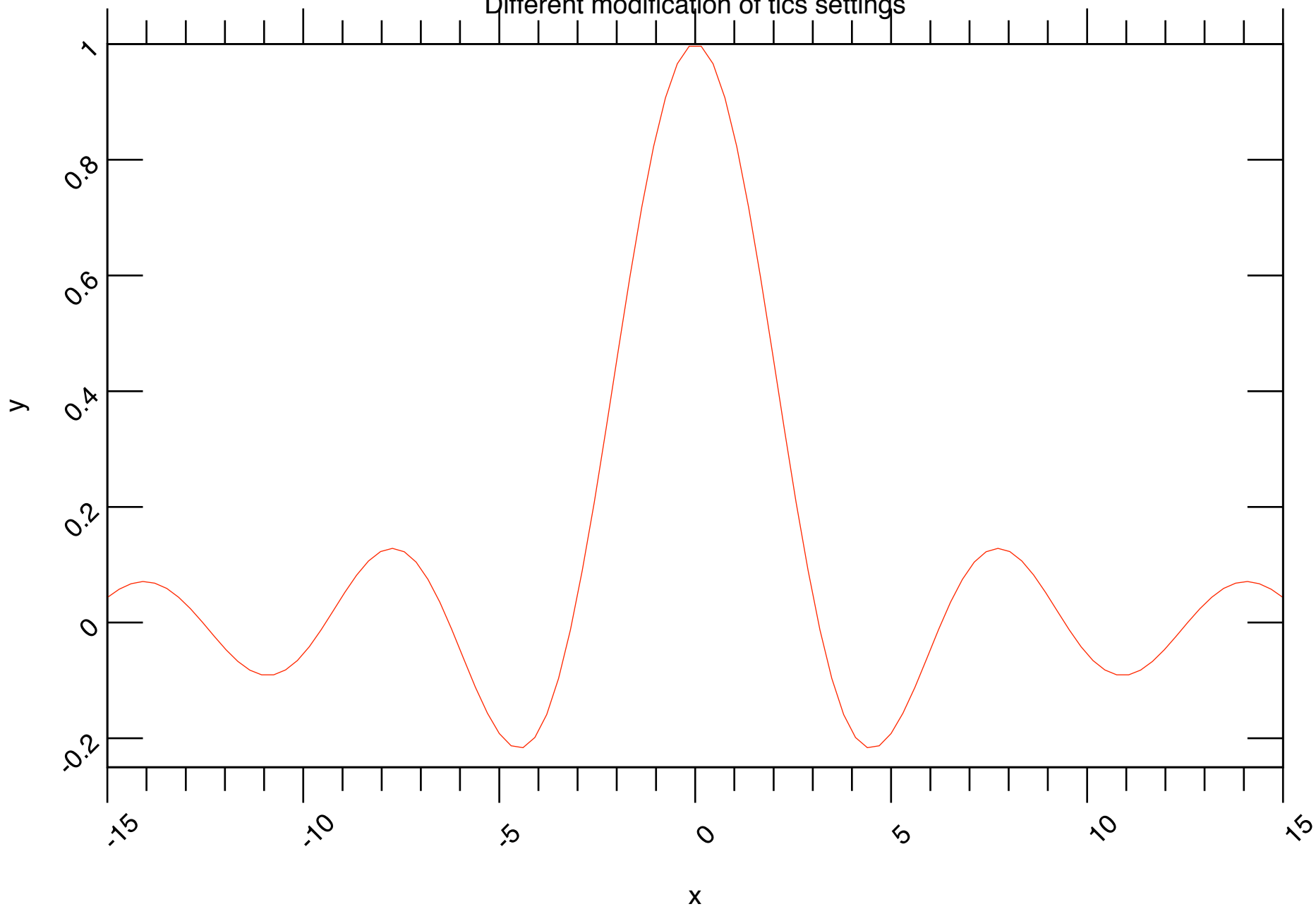


→ "field2xy.tmp" u 1:2:(coef*dx1(\$1,\$2)):(coef*dy1(\$1,\$2))
— "equipo2.tmp"

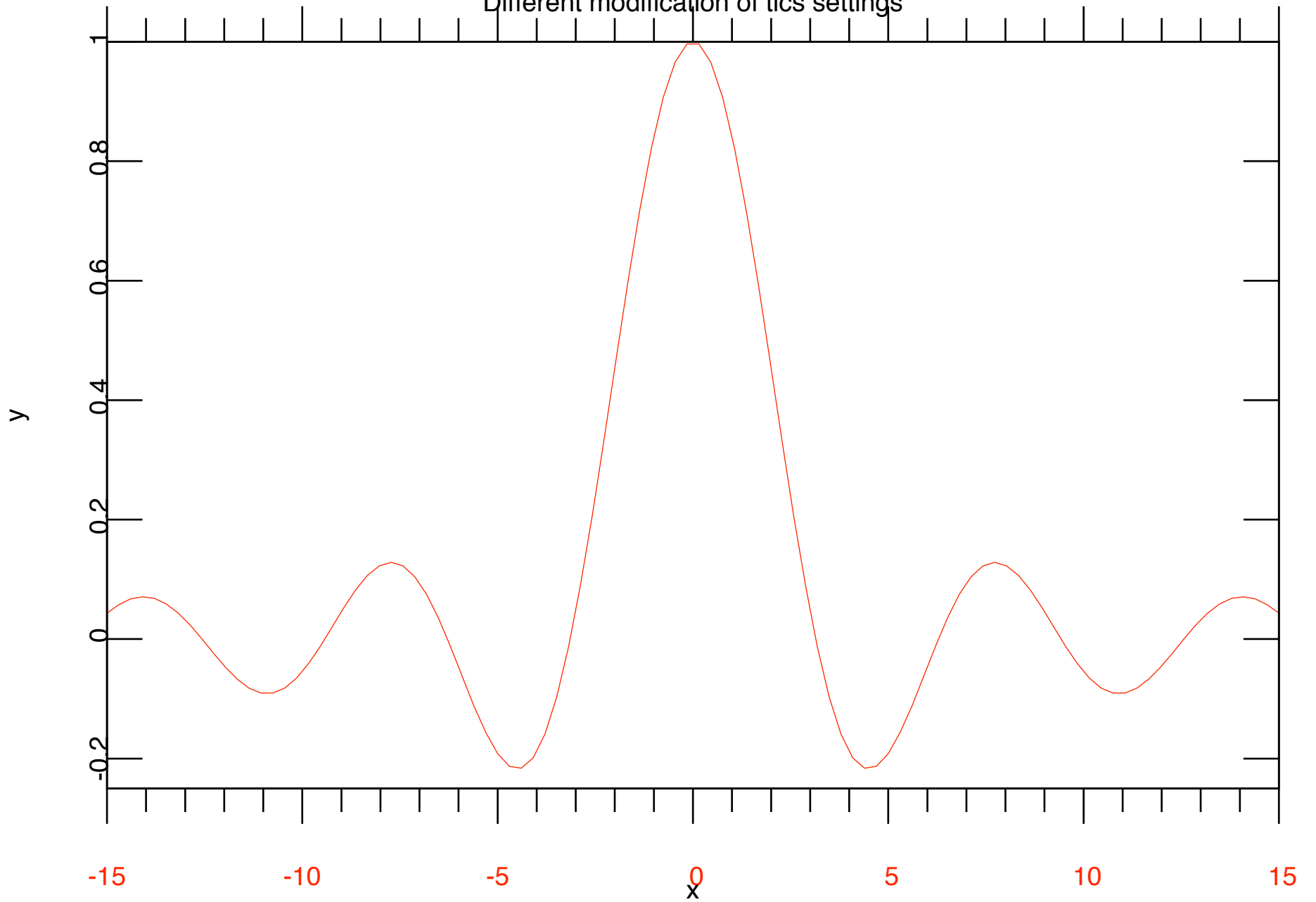
Default tics settings



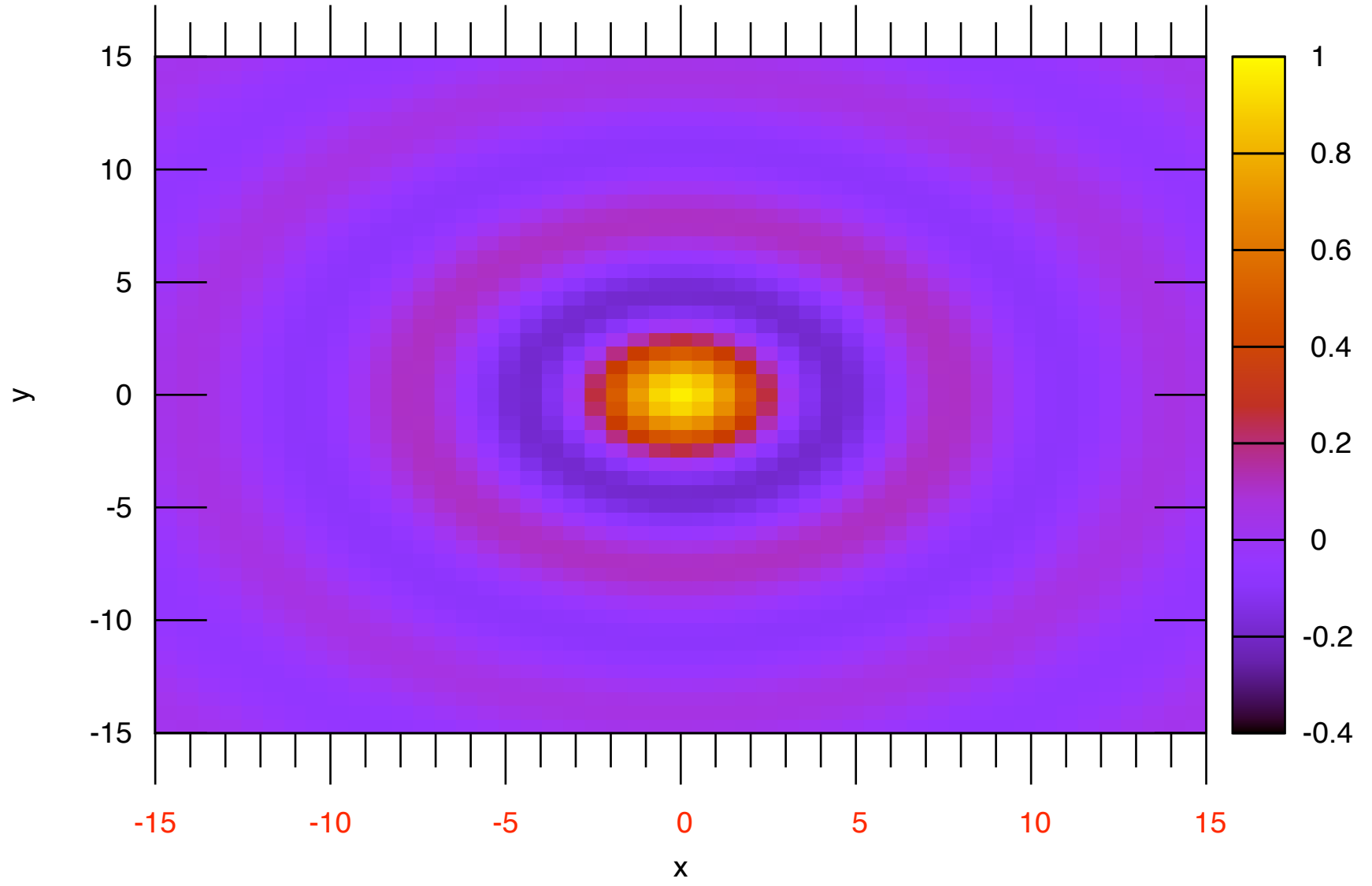
Different modification of tics settings



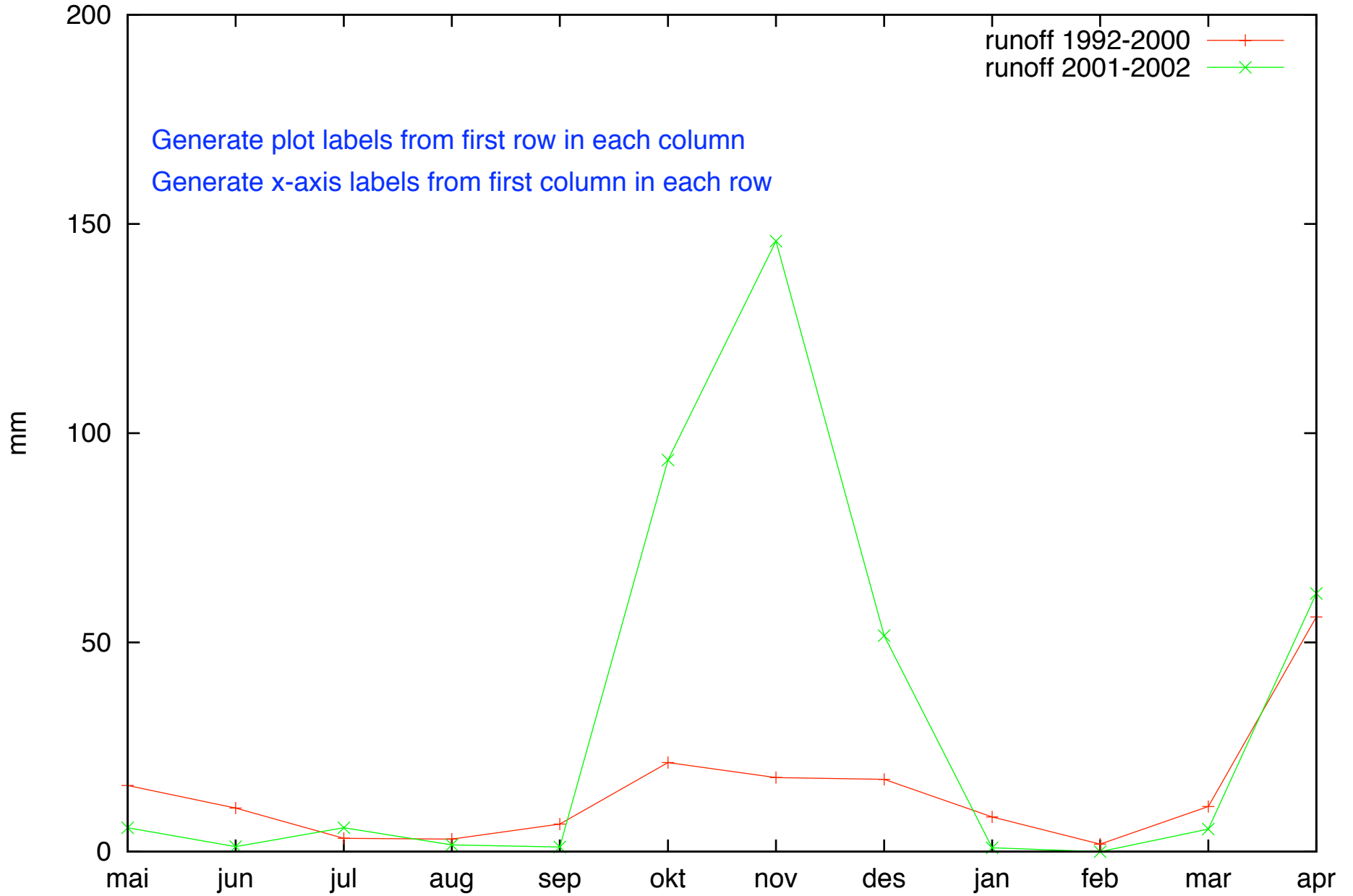
Different modification of tics settings



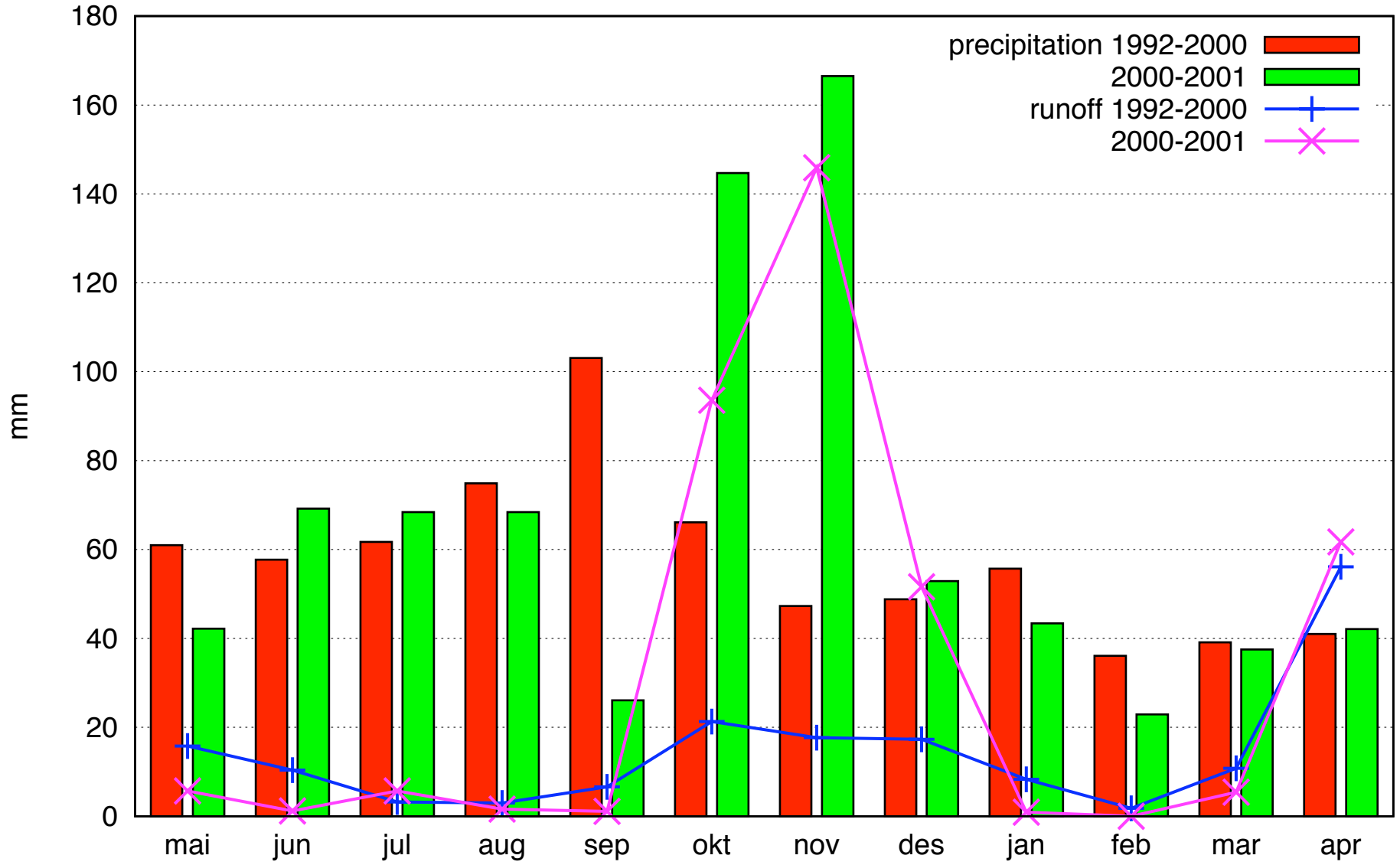
Modification of tics settings (pm3d map with colorbar)



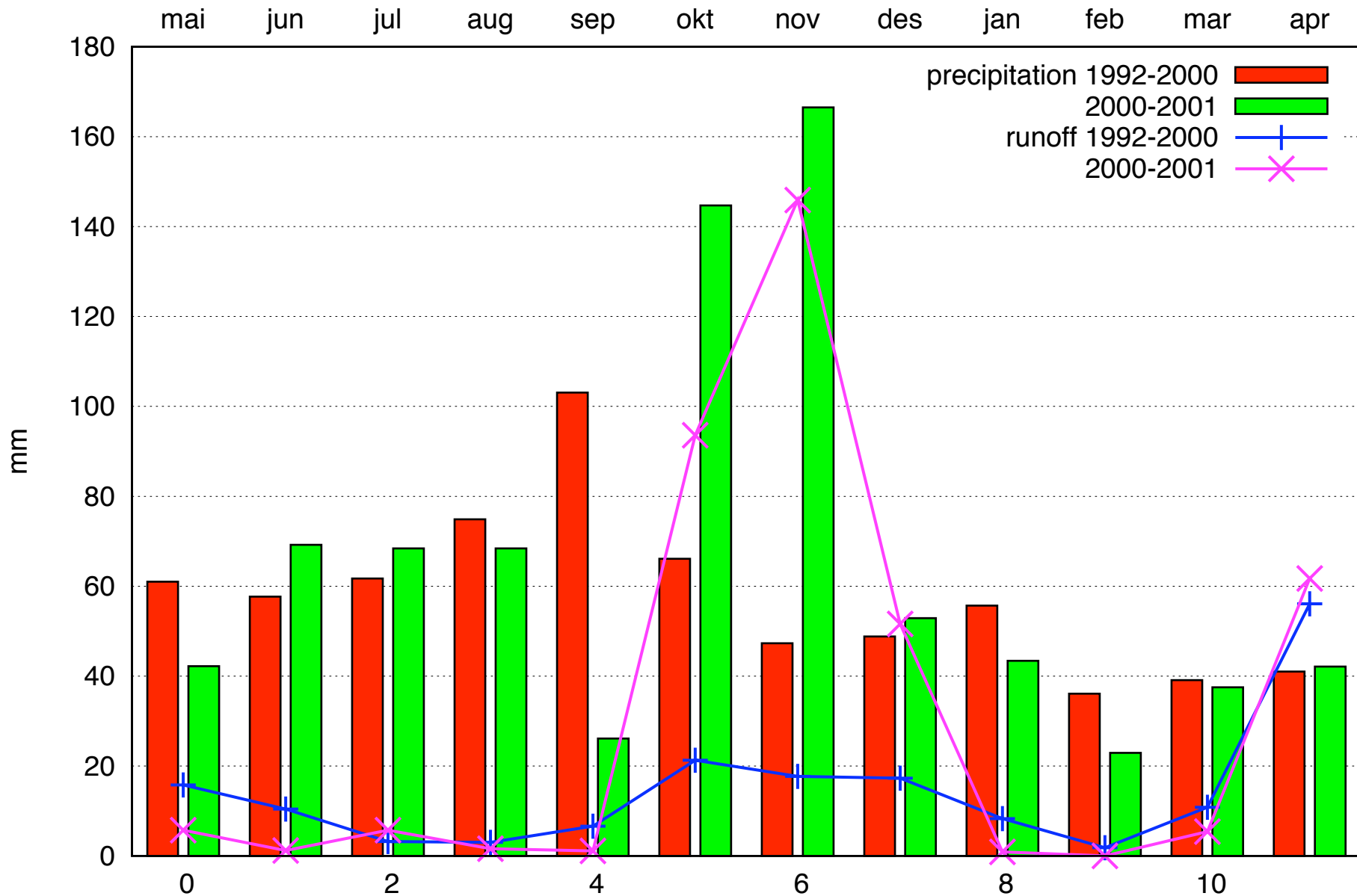
Auto-labeling plots from text fields in datafile



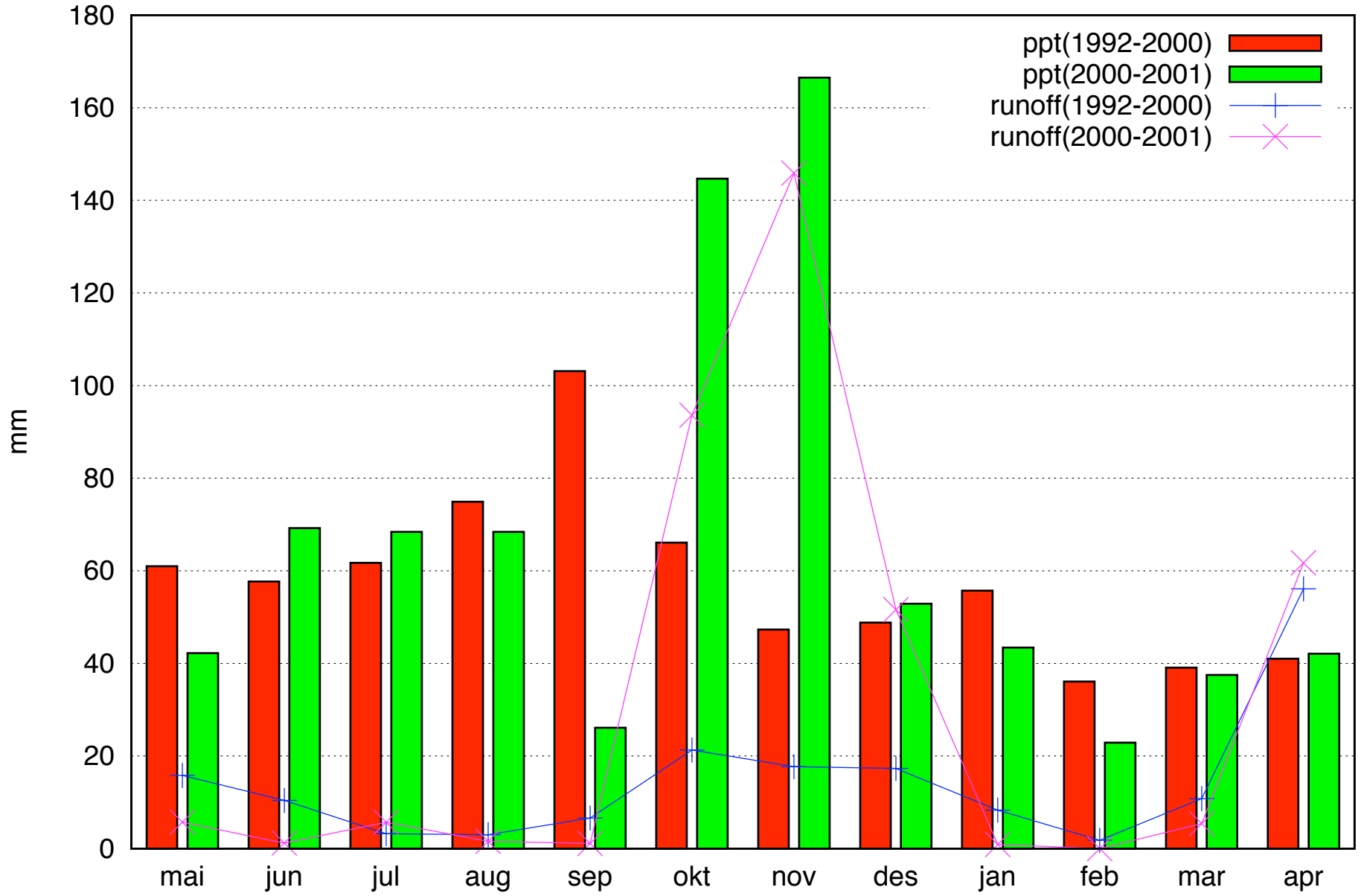
Read tic labels from a datafile column
An approximation of Hans Olav Eggestad's categoric plot patch
using 'using (\$0):2:xticlabels(1)' and 'set style fill solid border -1'



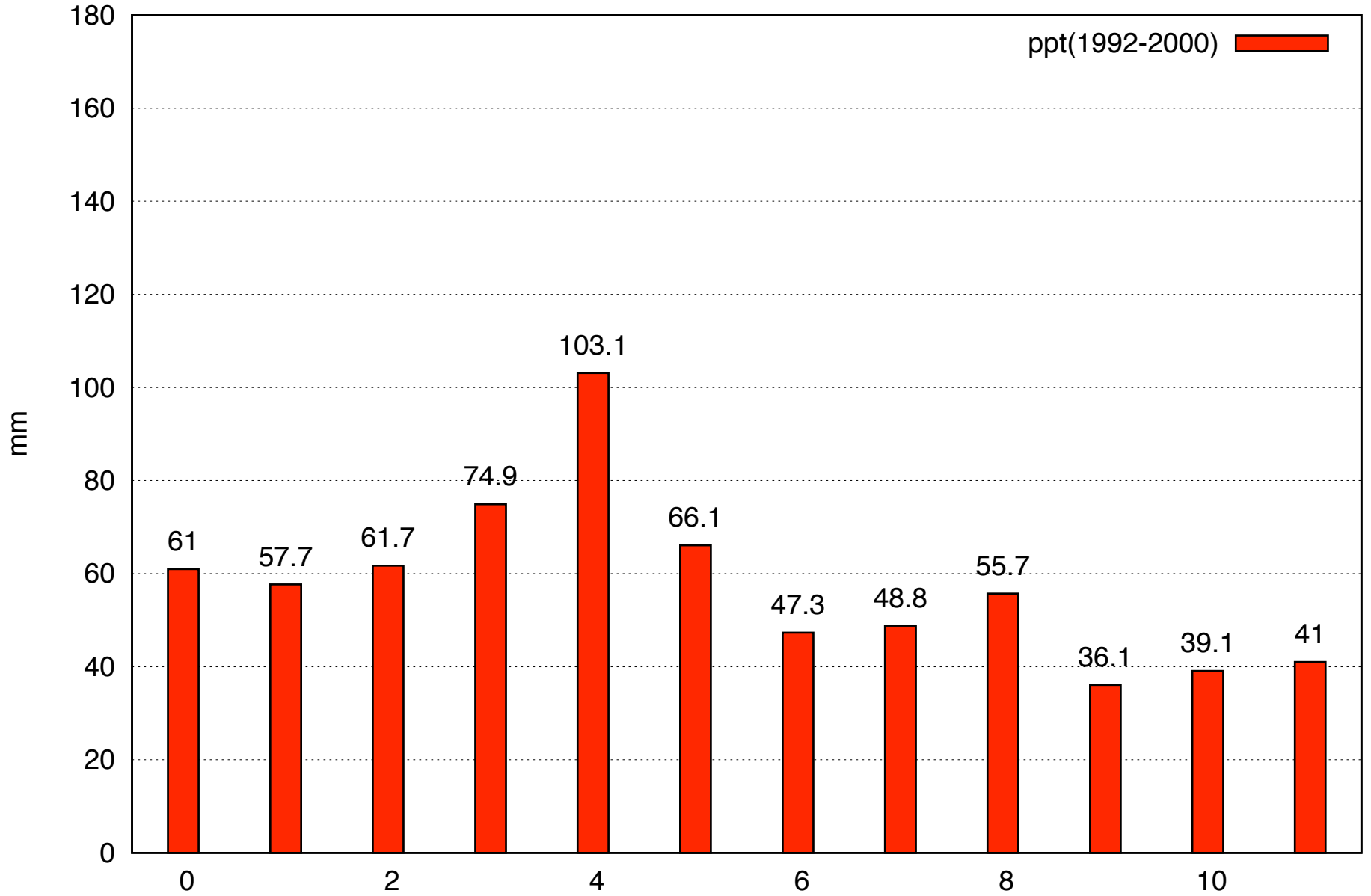
Same plot using x2ticlabels also



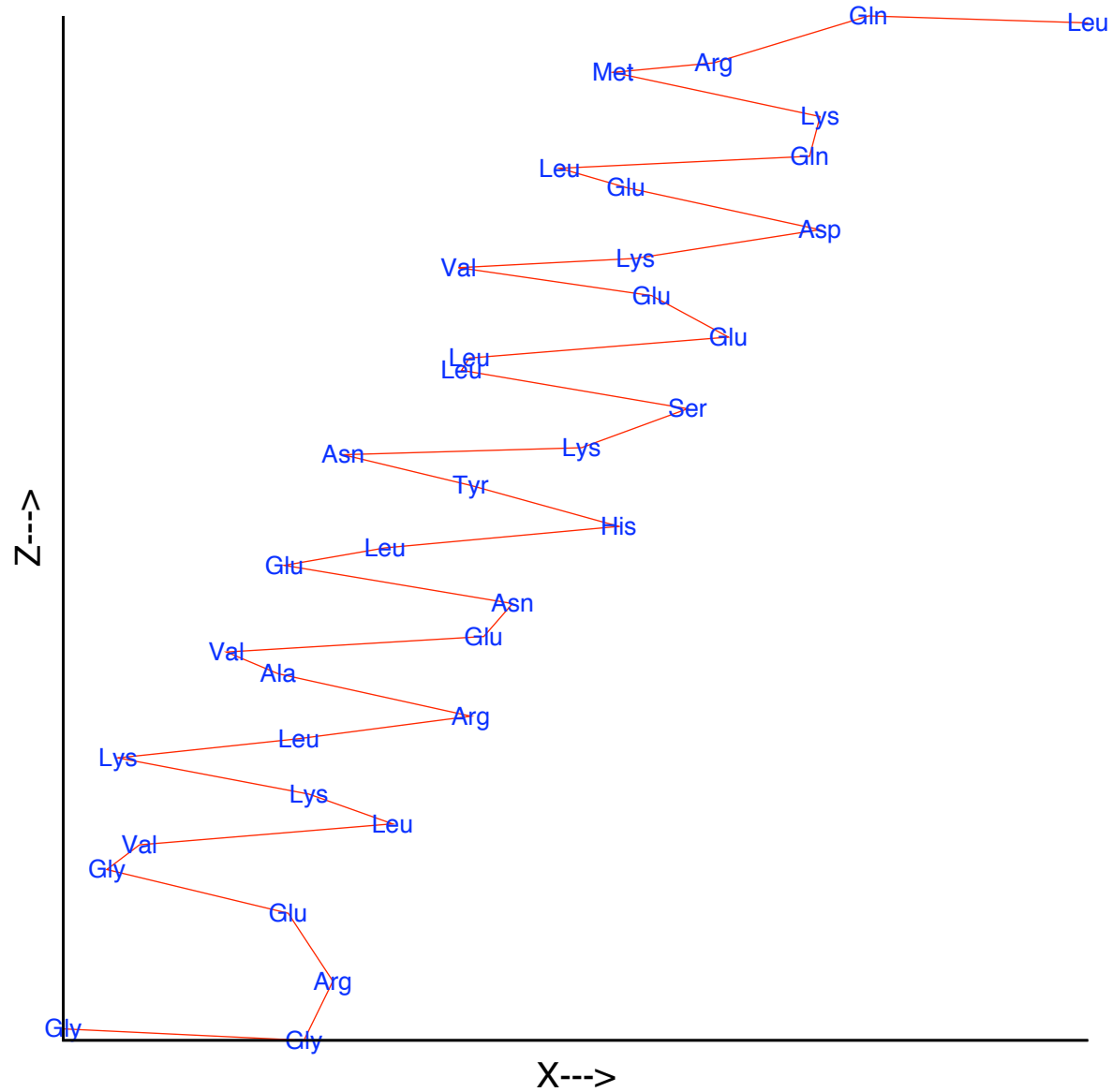
Plot from table format (titles taken from column headers)

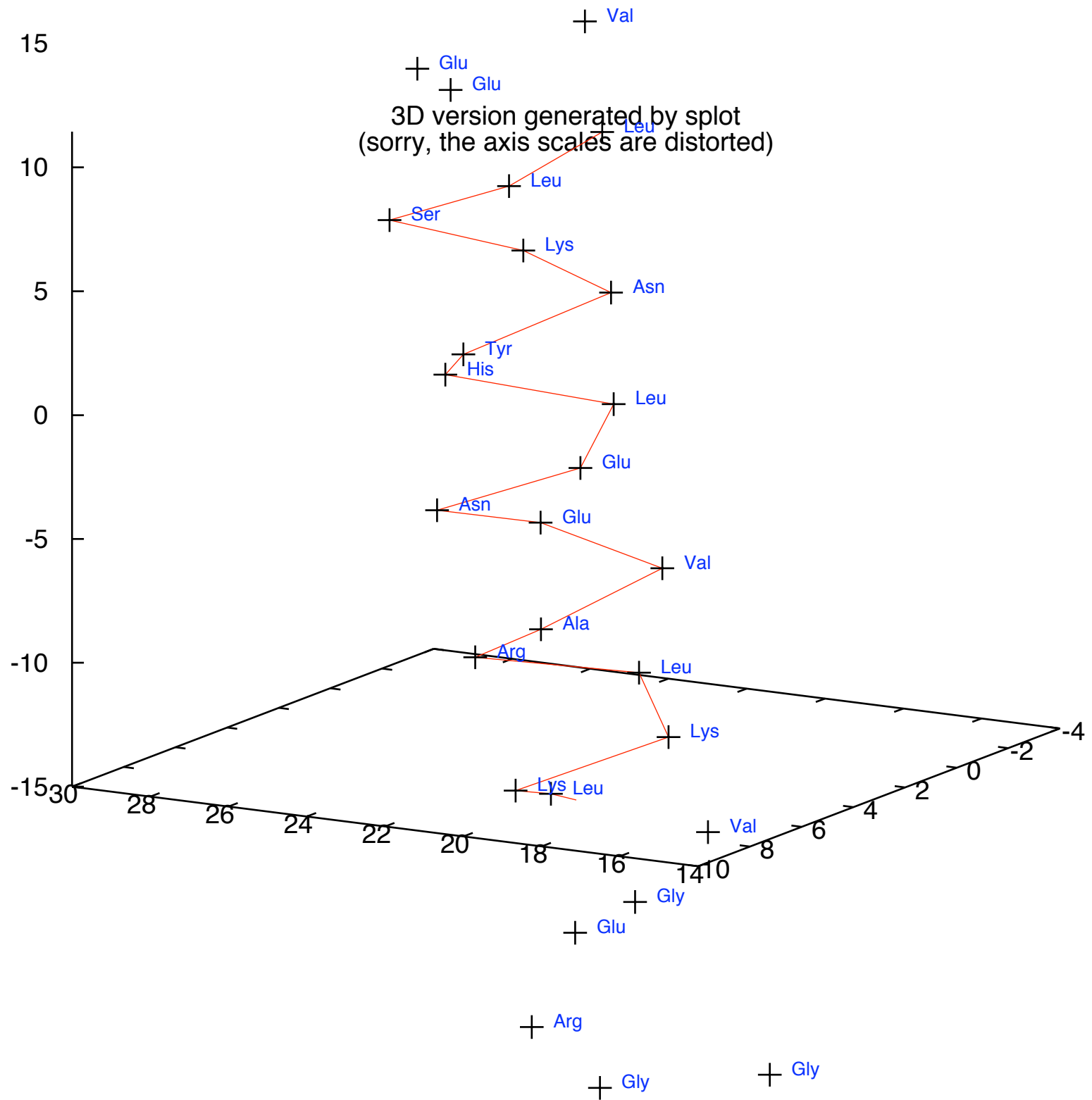


Plot actual y-value as a label

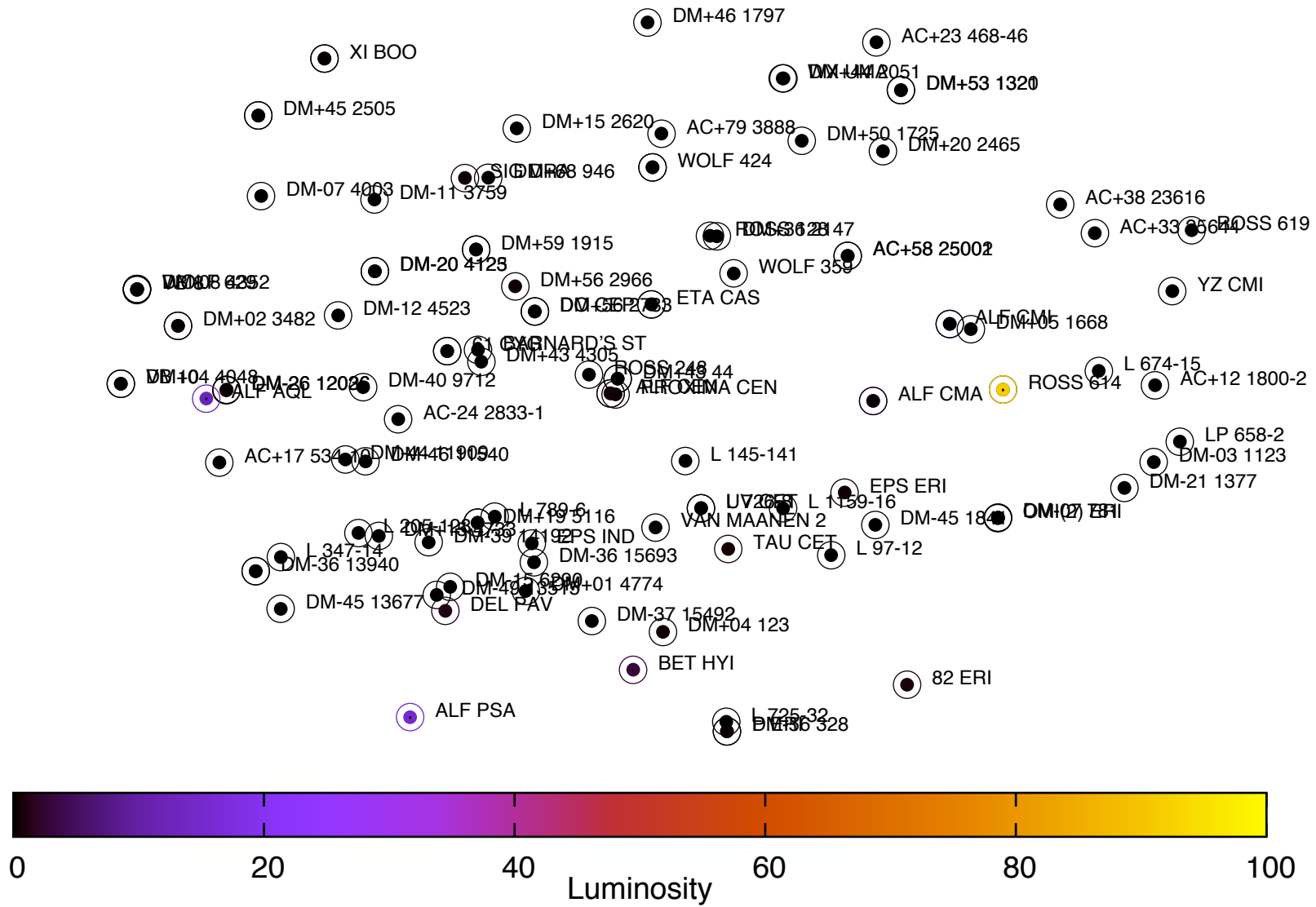


Read labels from a datafile column
Here the 'plot with labels' command generates a
C-alpha trace of retro-GCN4 peptide

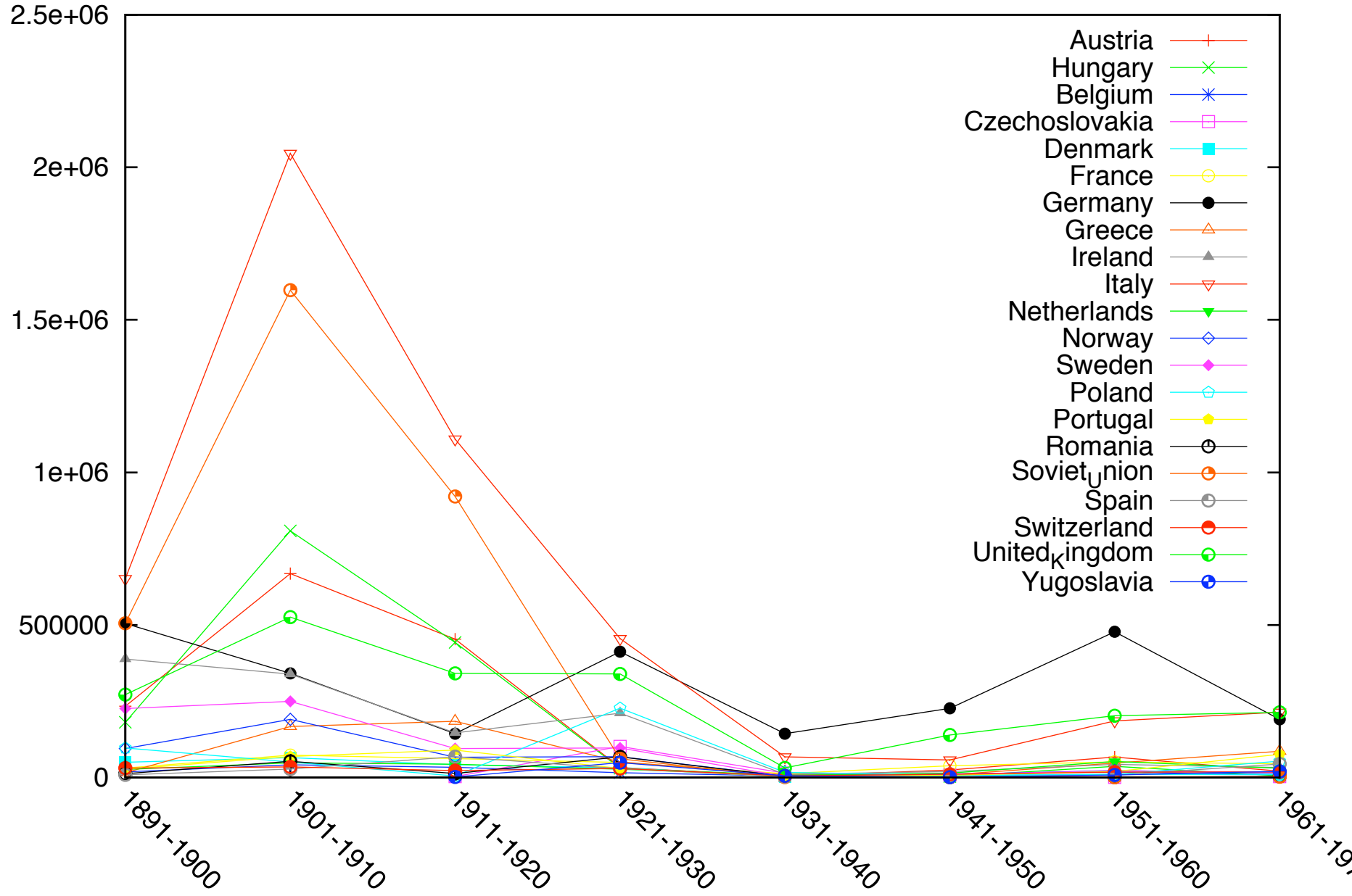




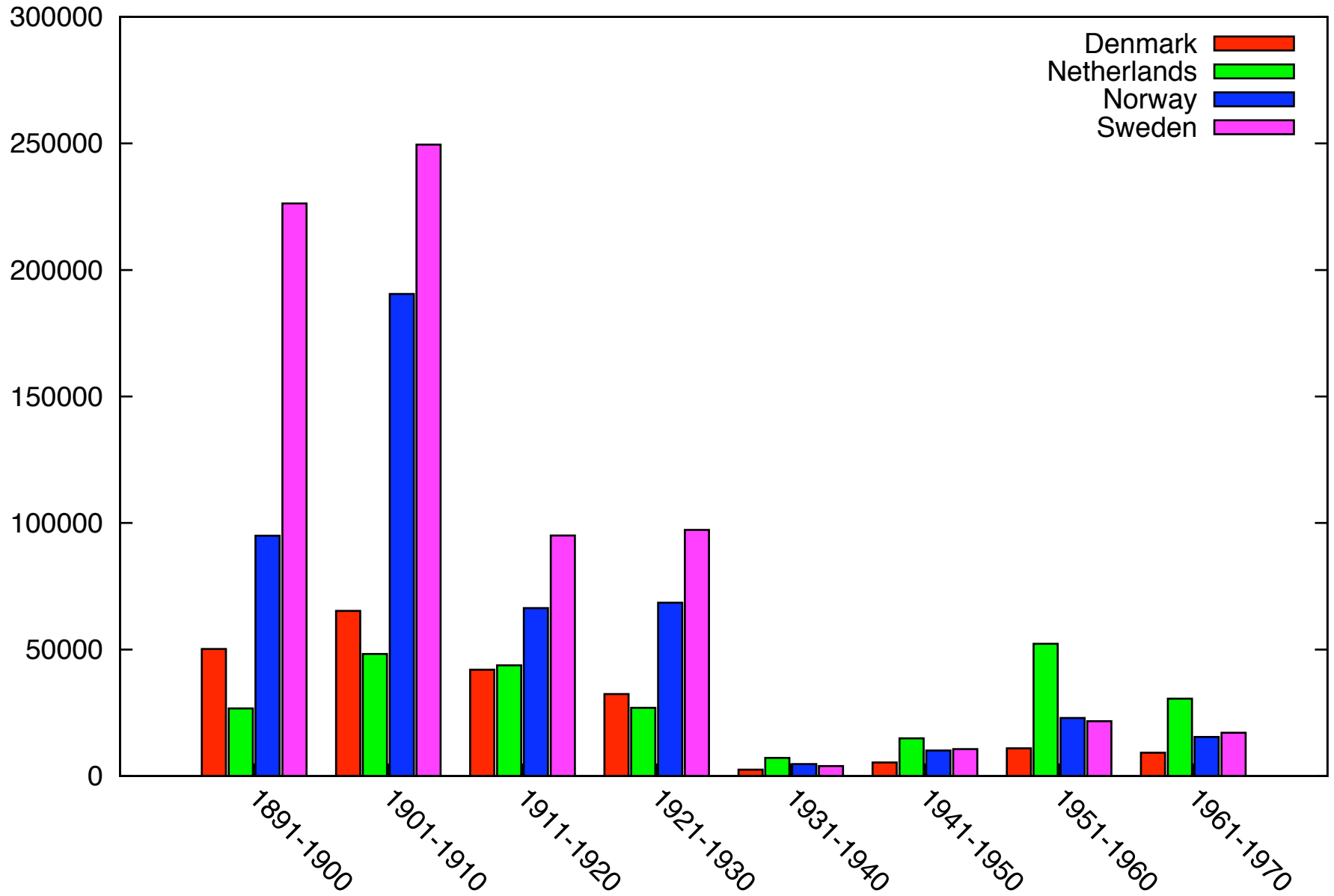
Gliese star catalog - 7 parsec neighborhood centered on Earth



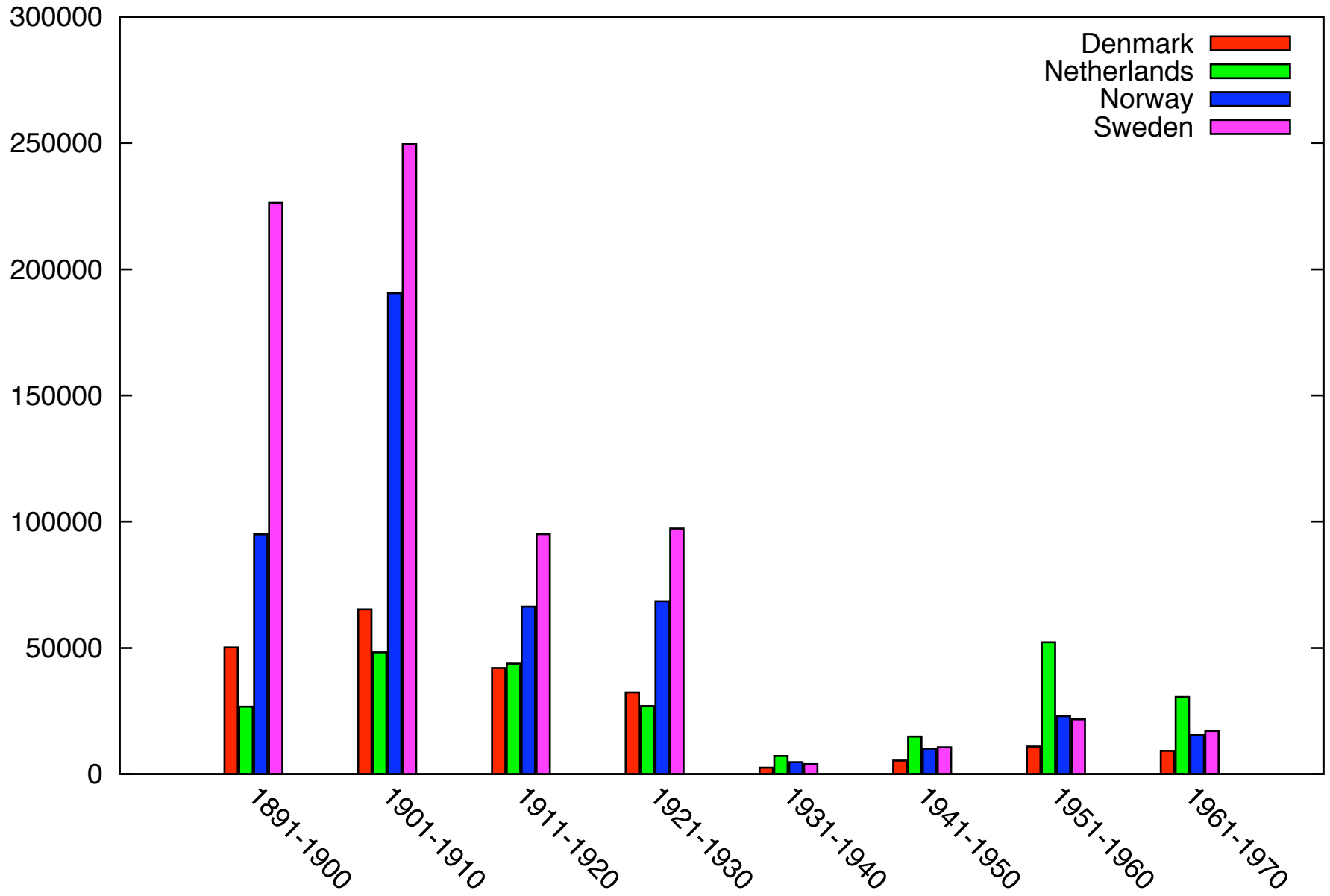
US immigration from Europe by decade



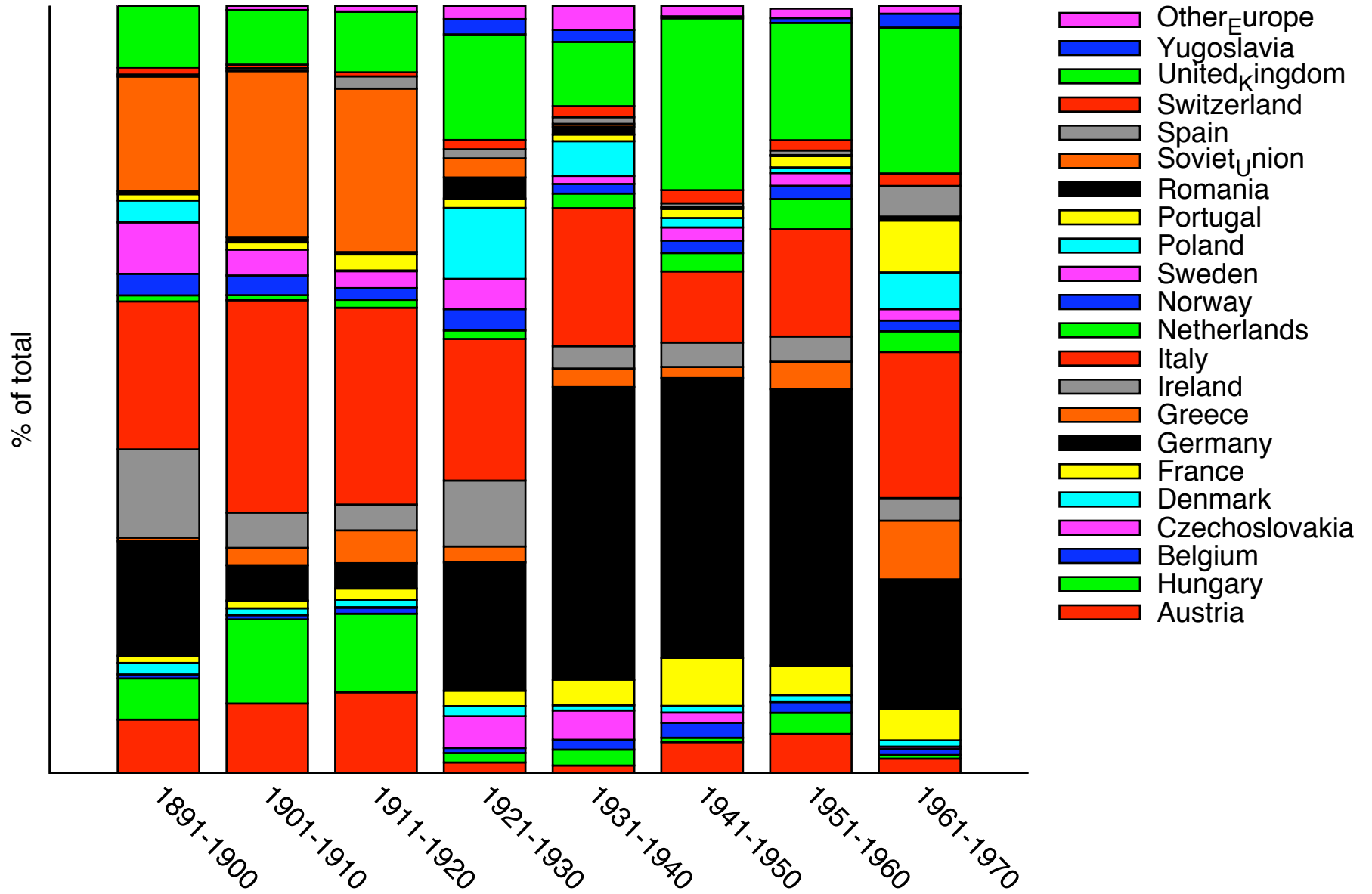
US immigration from Northern Europe
Plot selected data columns as histogram of clustered boxes



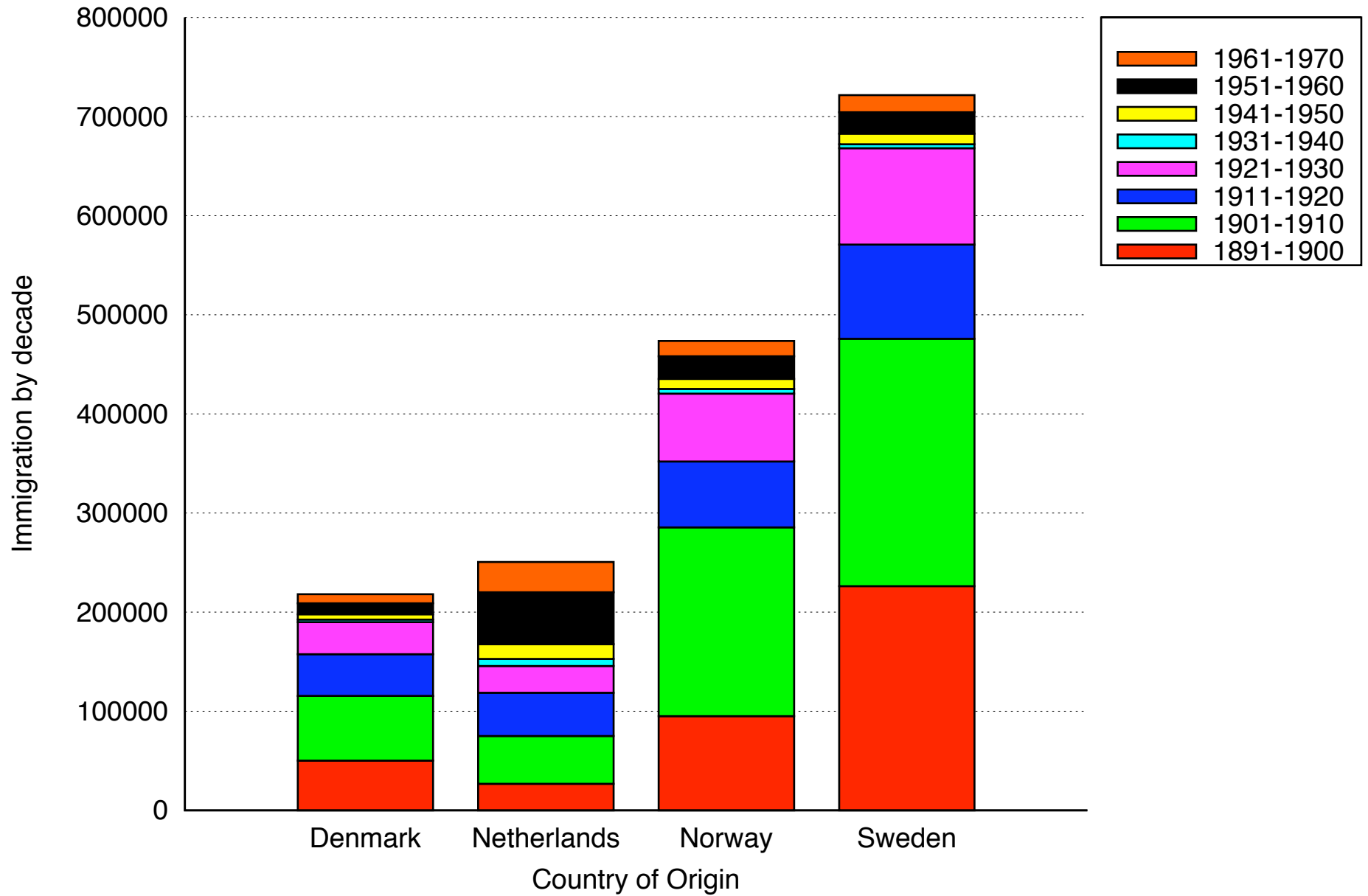
US immigration from Northern Europe
(same plot with larger gap between clusters)



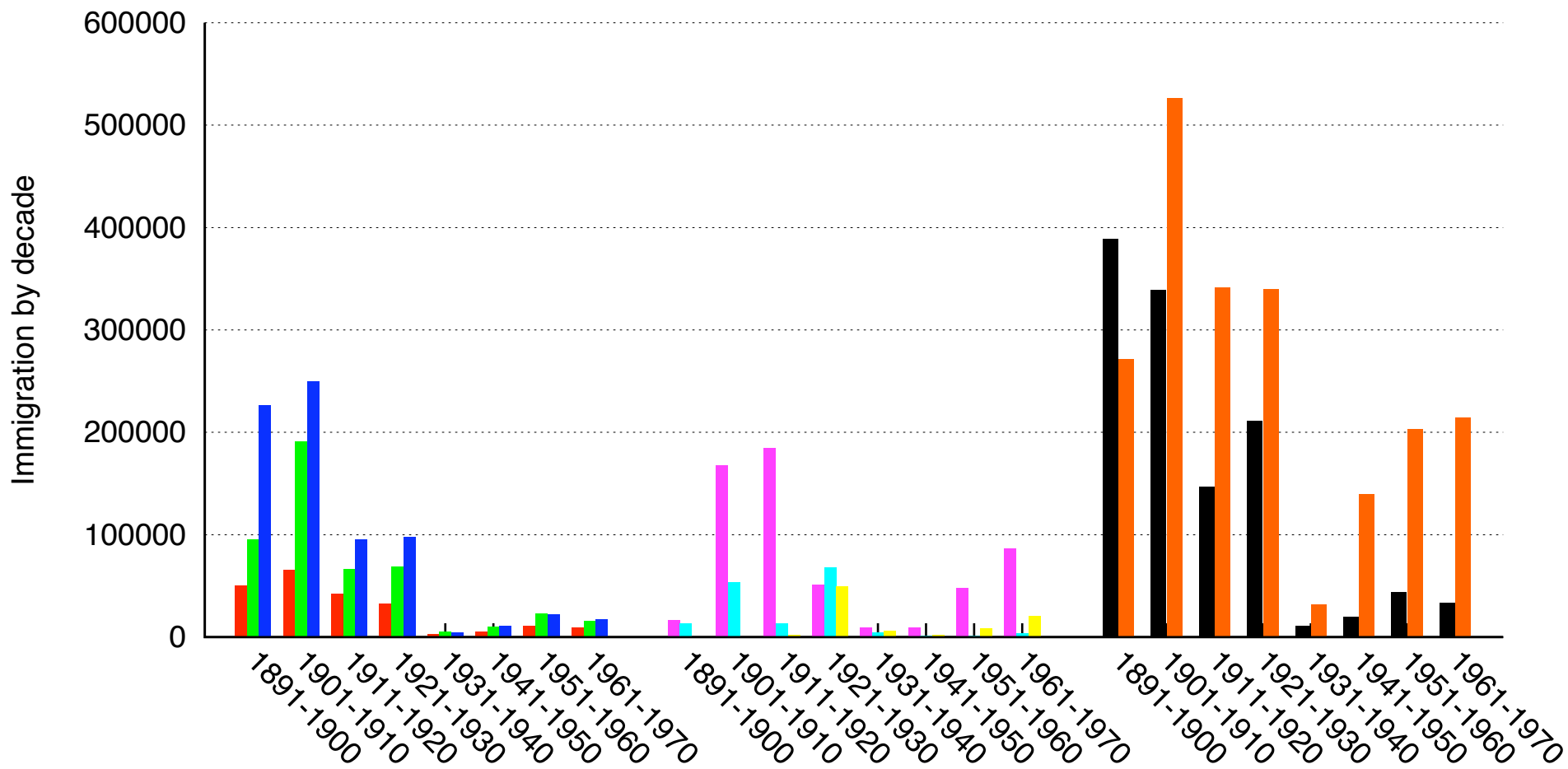
US immigration from Europe by decade
 Fraction of total plotted as stacked histogram



Immigration from Northern Europe
(columnstacked histogram)



Immigration from different regions
(give each histogram a separate title)



Northern Europe

Southern Europe

British Isles

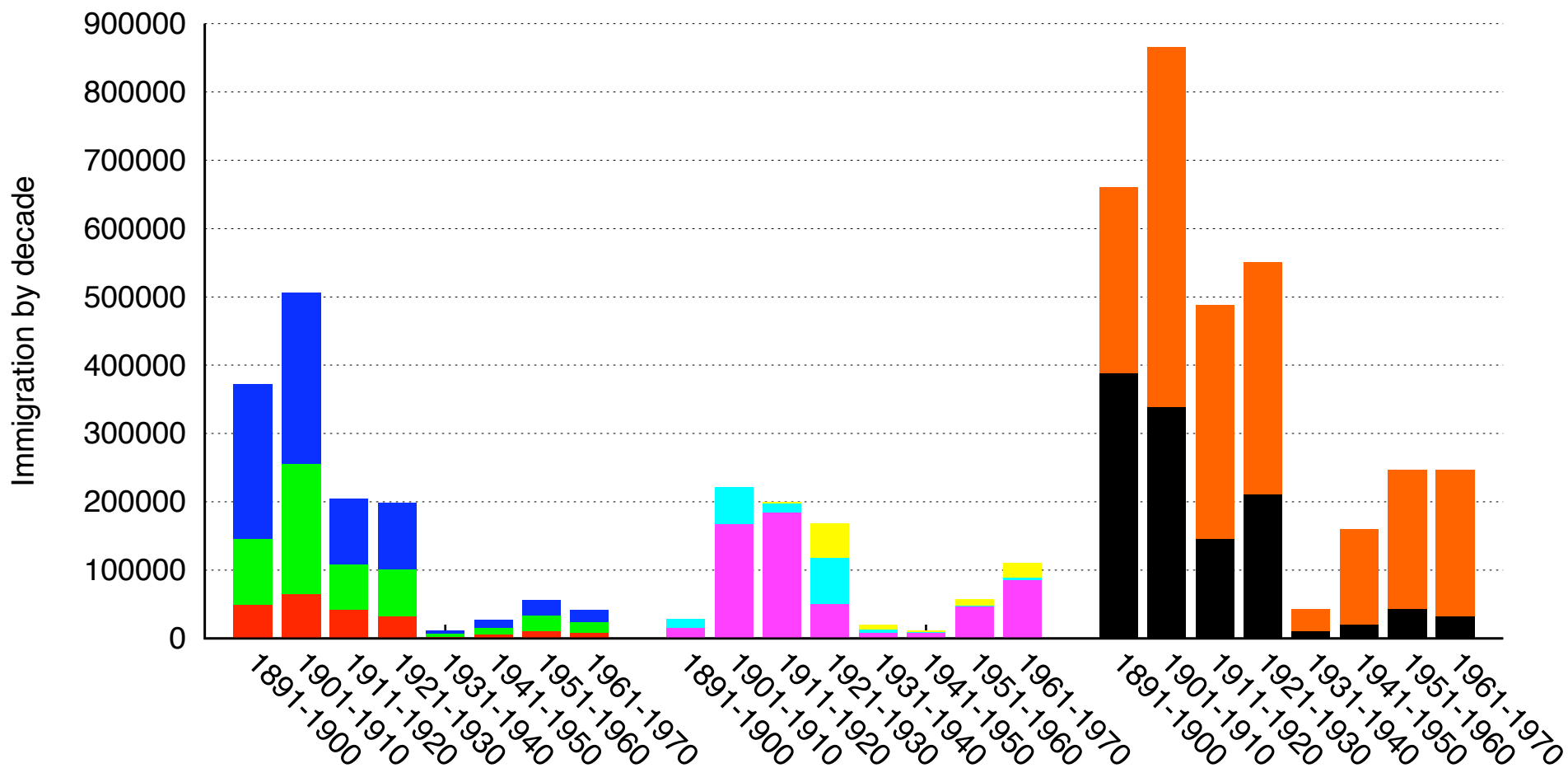
(note: histogram titles have specified offset relative to X-axis label)

Denmark
Norway
Sweden

Greece
Romania
Yugoslavia

Ireland
United Kingdom

Immigration from different regions
(give each histogram a separate title)



Northern Europe

Southern Europe

British Isles

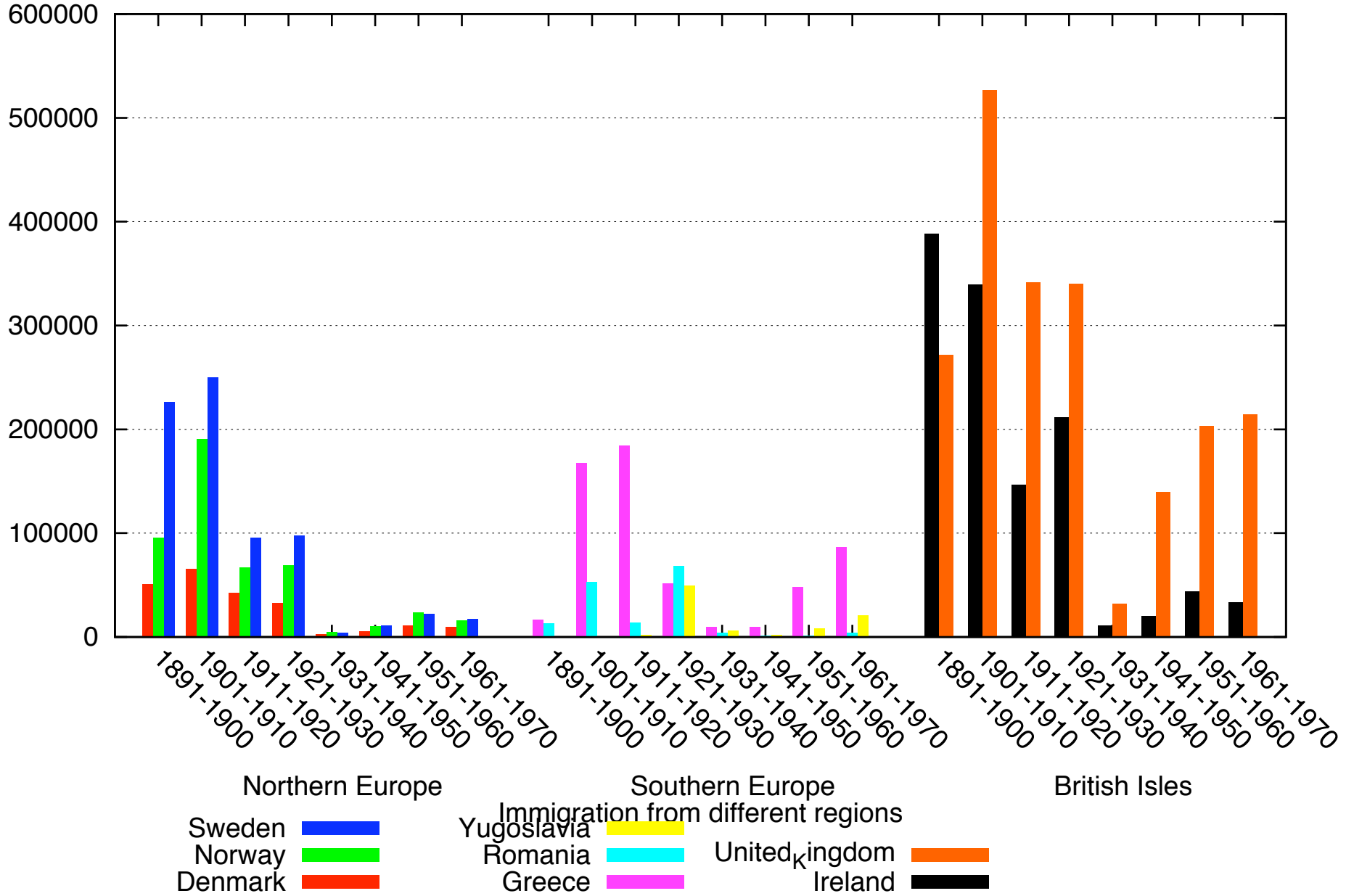
(Same plot using rowstacked rather than clustered histogram)

Denmark
Norway
Sweden

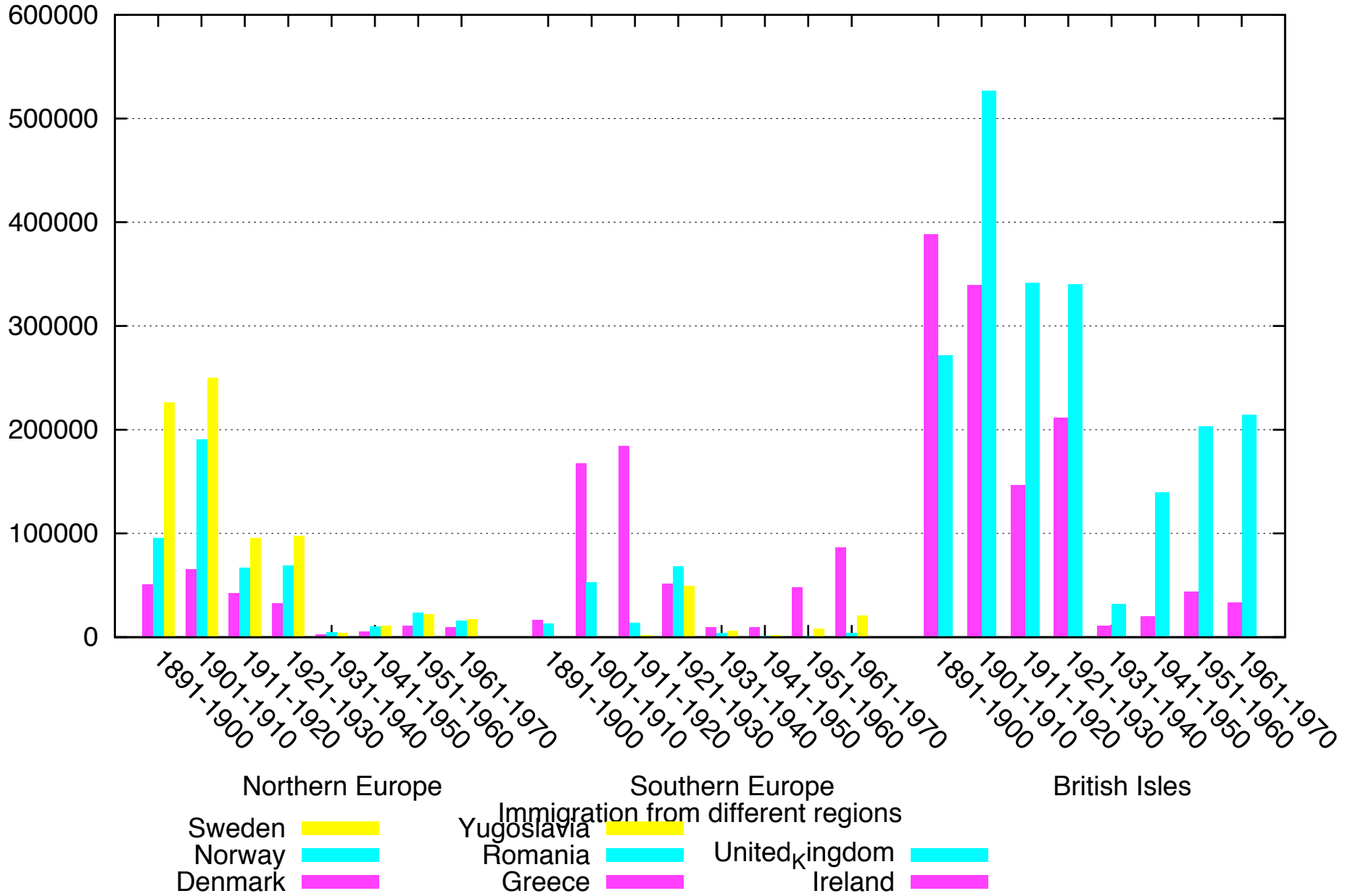
Greece
Romania
Yugoslavia

Ireland
United Kingdom

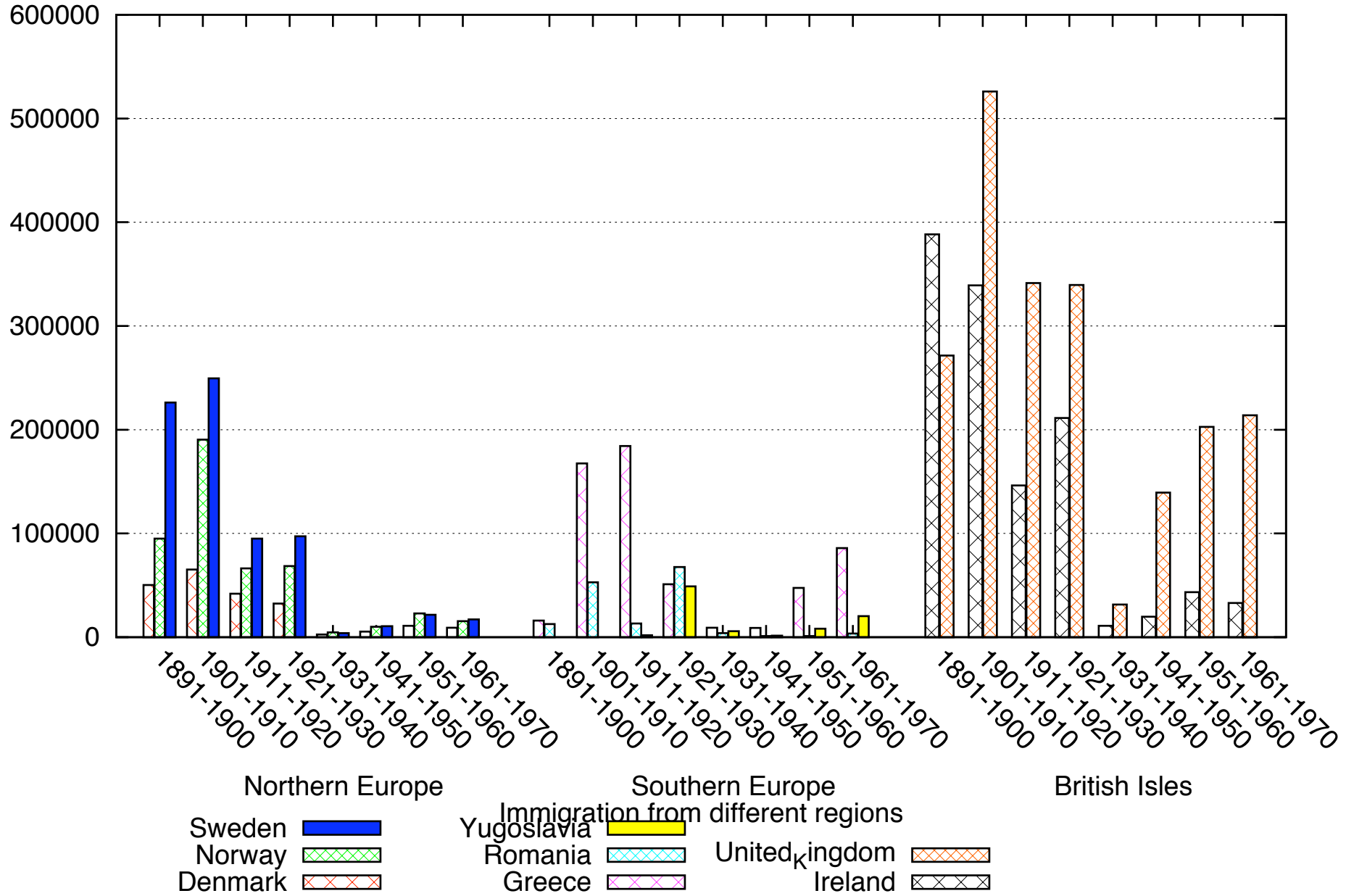
Default Histogram Colouring



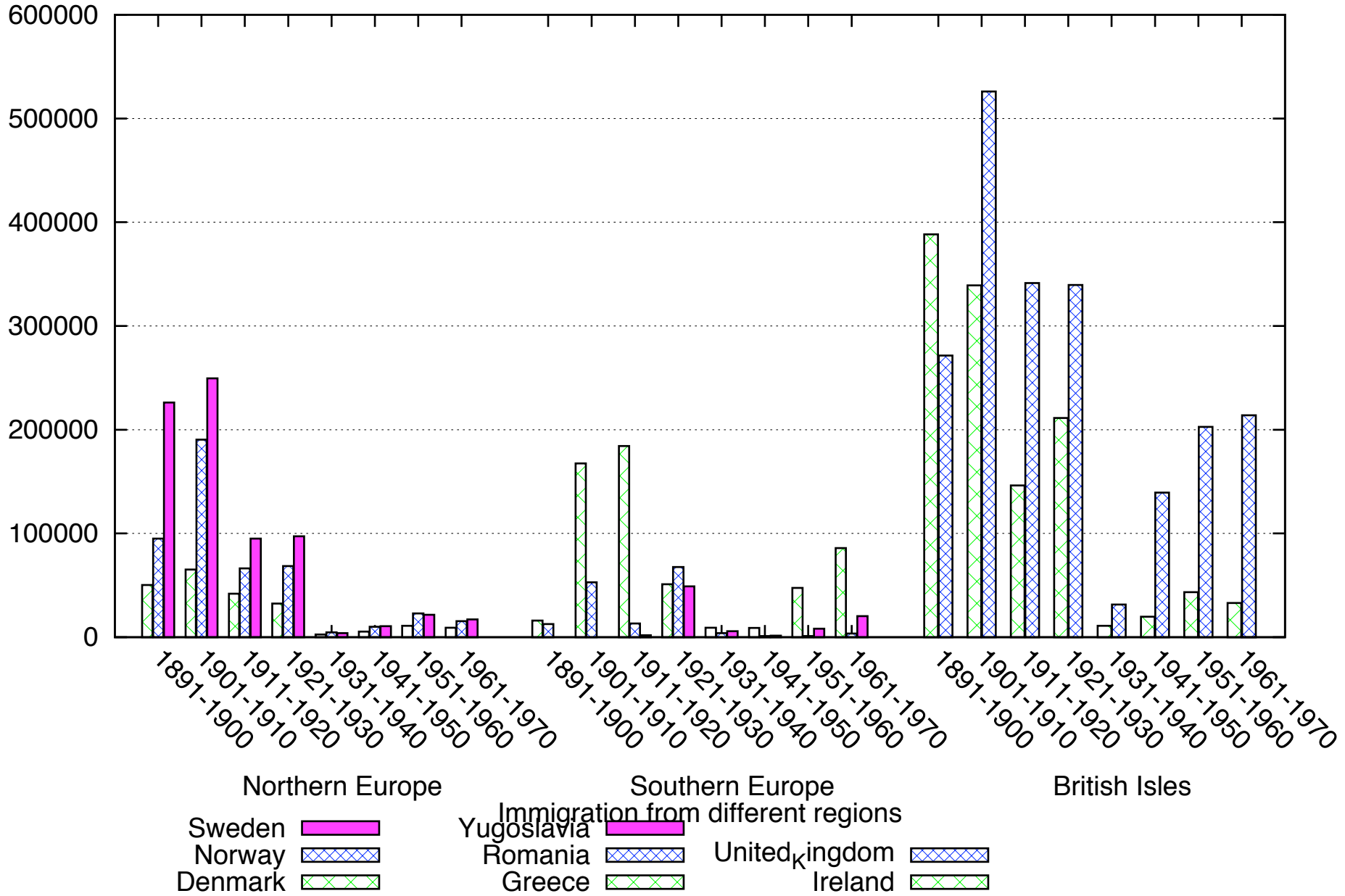
Explicit start color in 'newhistogram' command



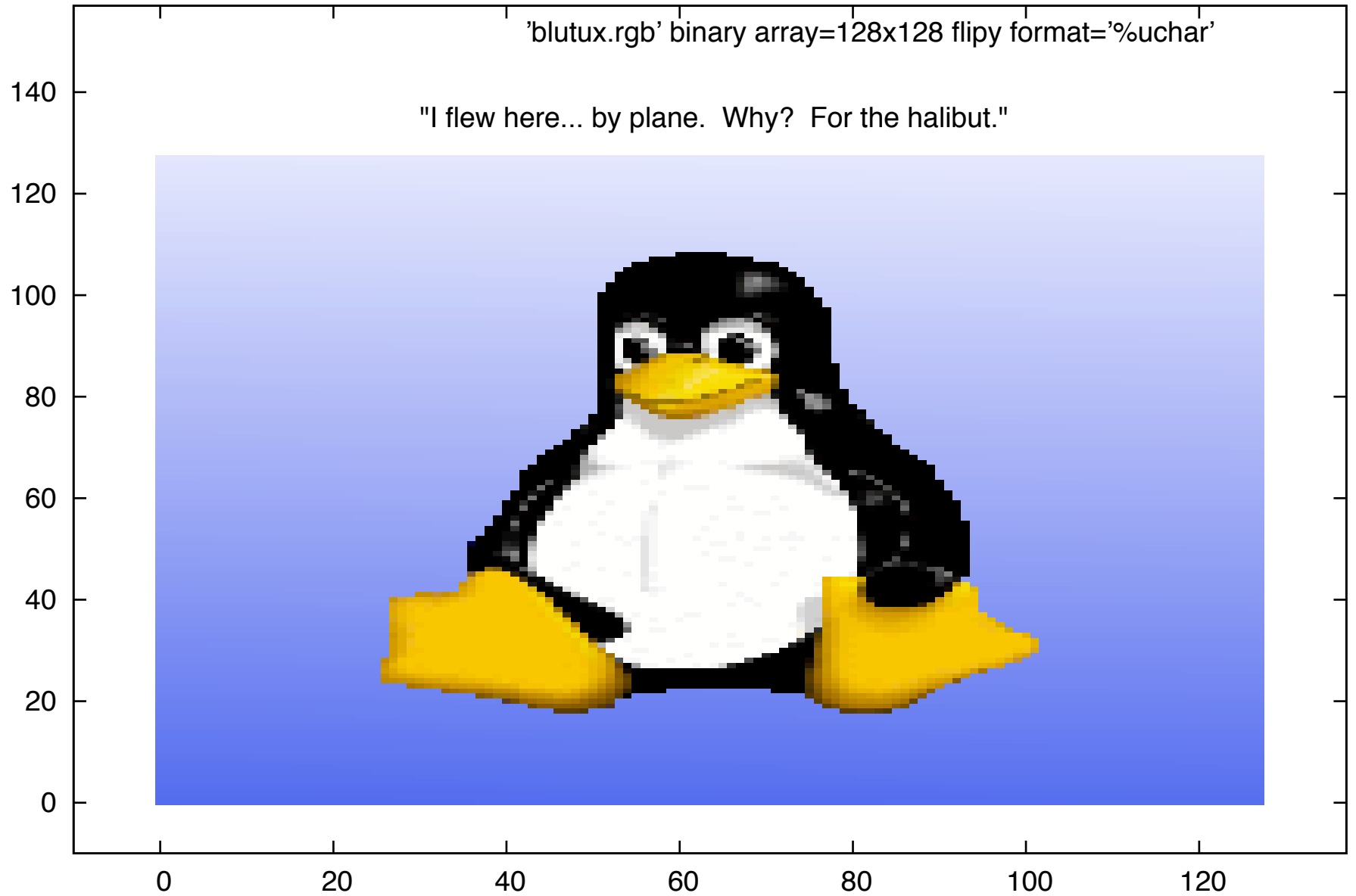
Explicit start pattern in 'newhistogram' command



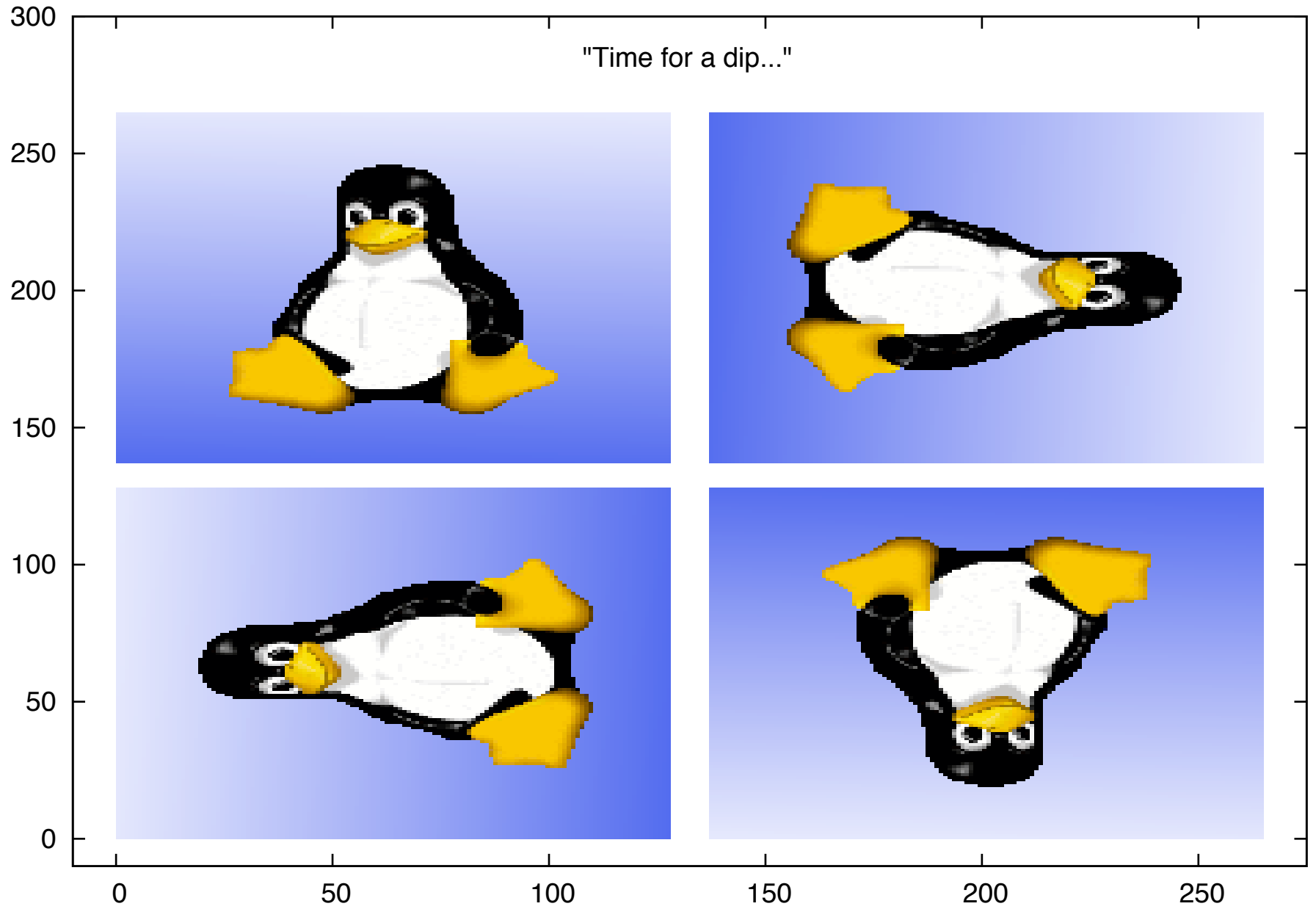
Explicit start pattern and linetype



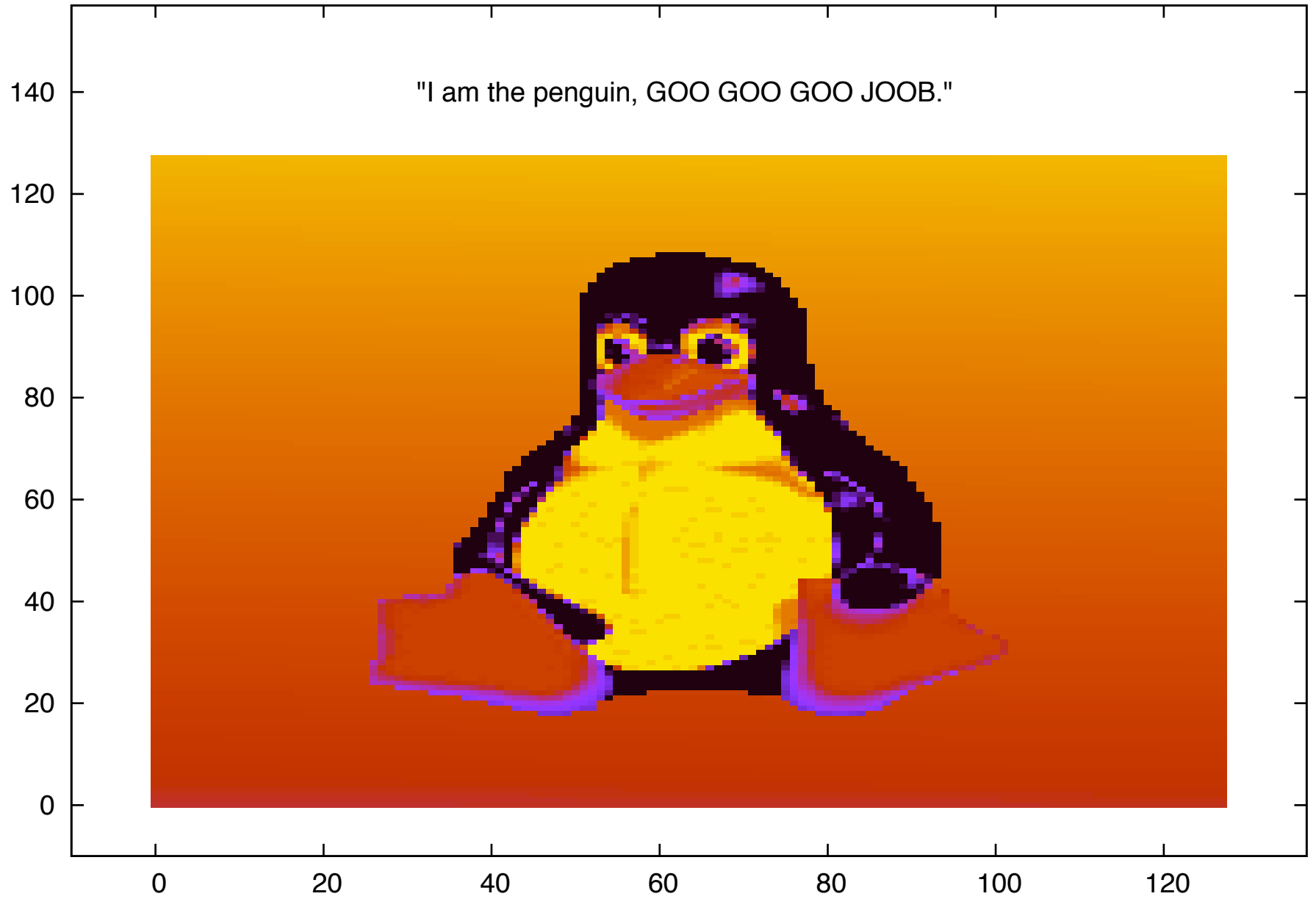
Larry Ewing's GIMP penguin on vacation basking in the balmy waters off the coast of Murmansk



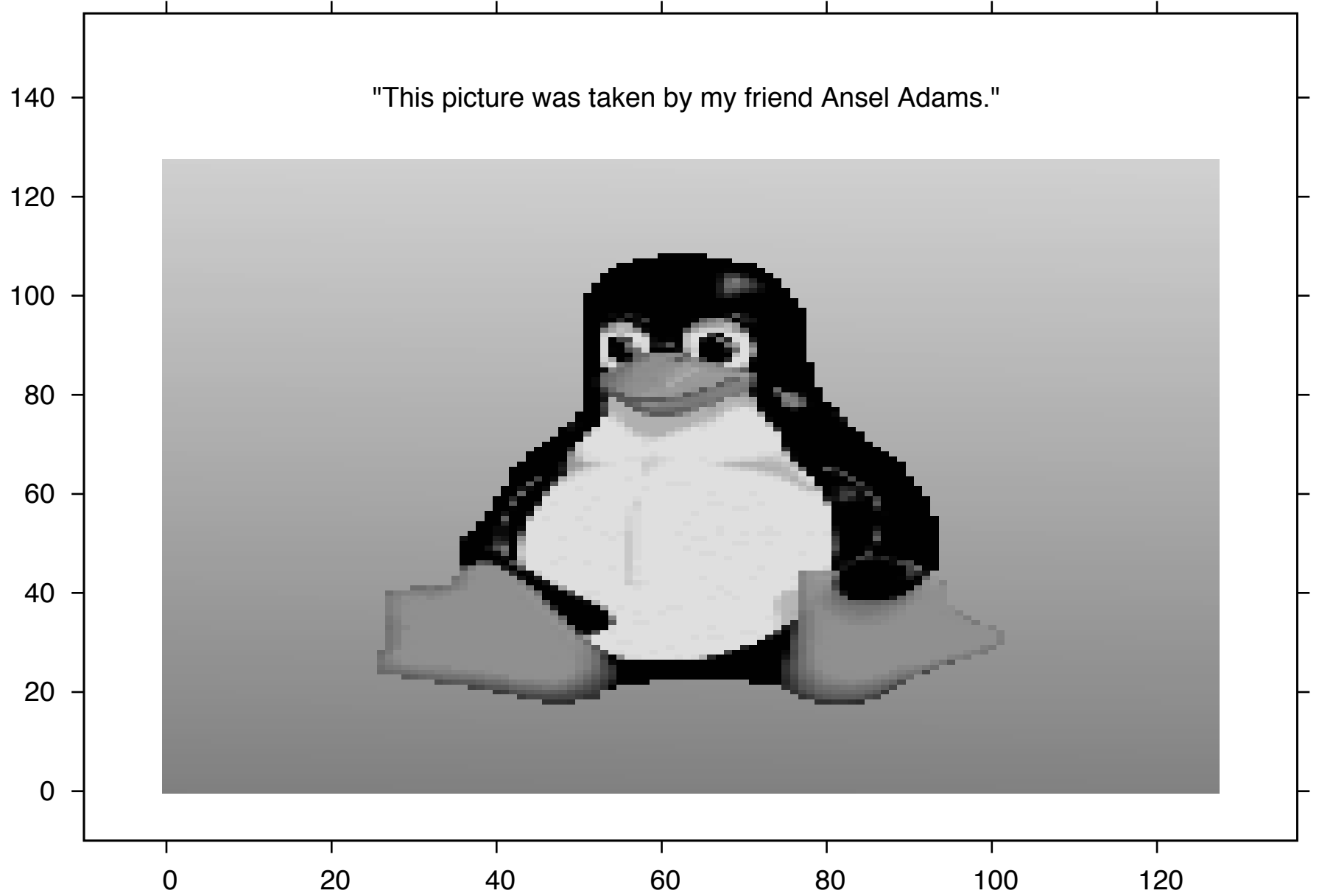
Translations of position variables via 'using'



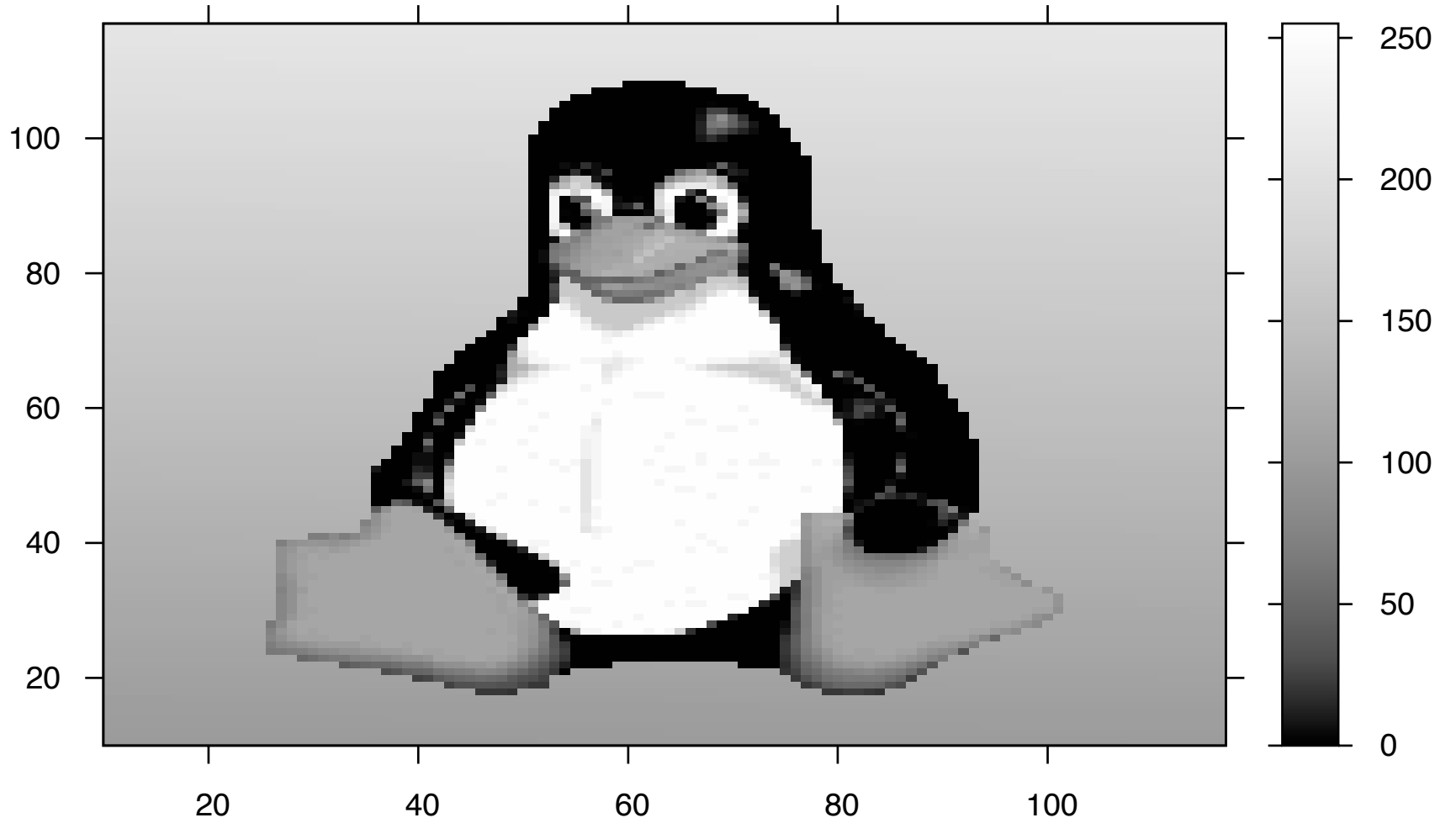
Palette mode 'image' used to produce psychedelic bird



The palette can be changed from color to gray scale

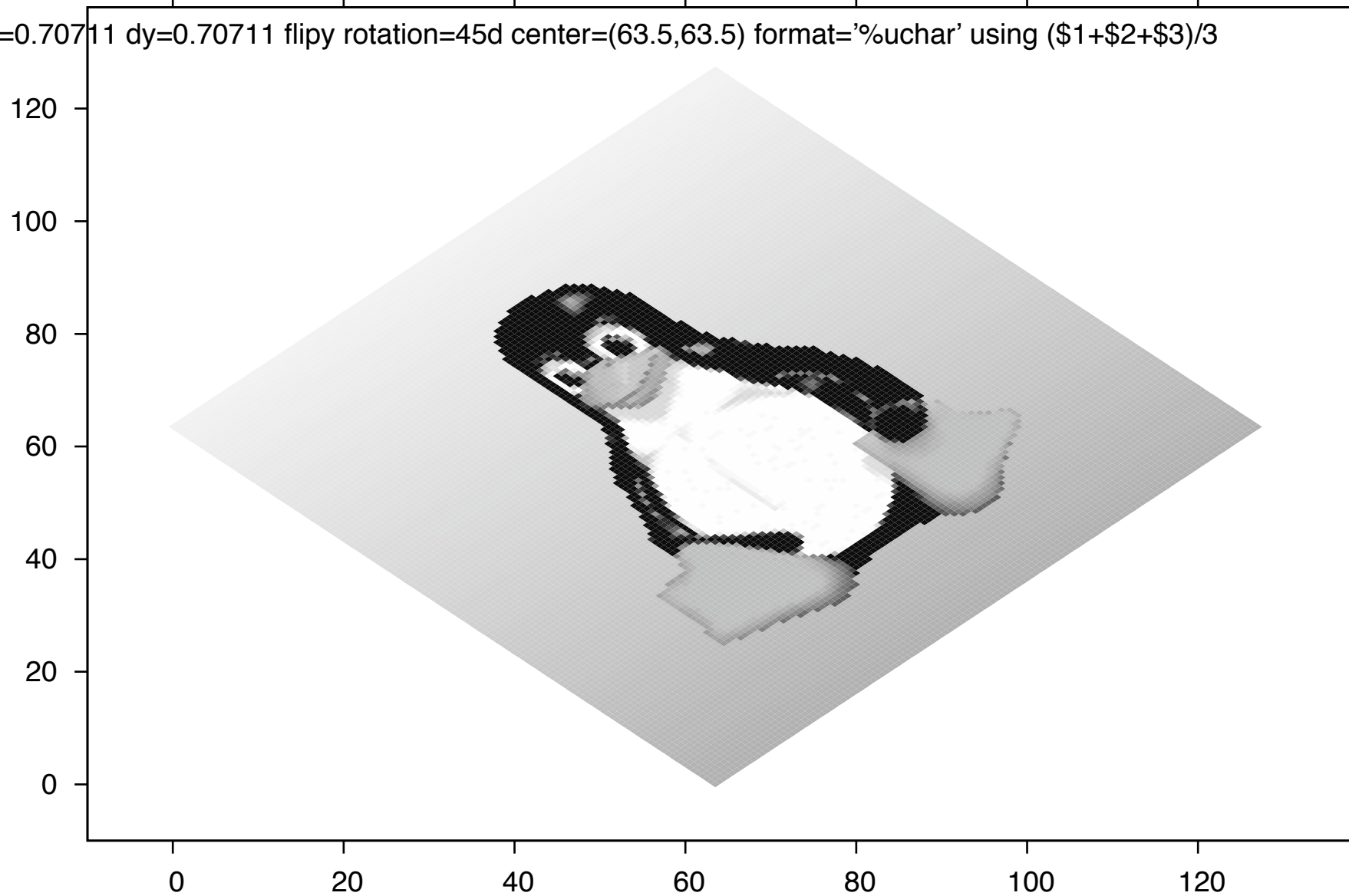


As with 3d color surfaces, a color box may be added to the plot

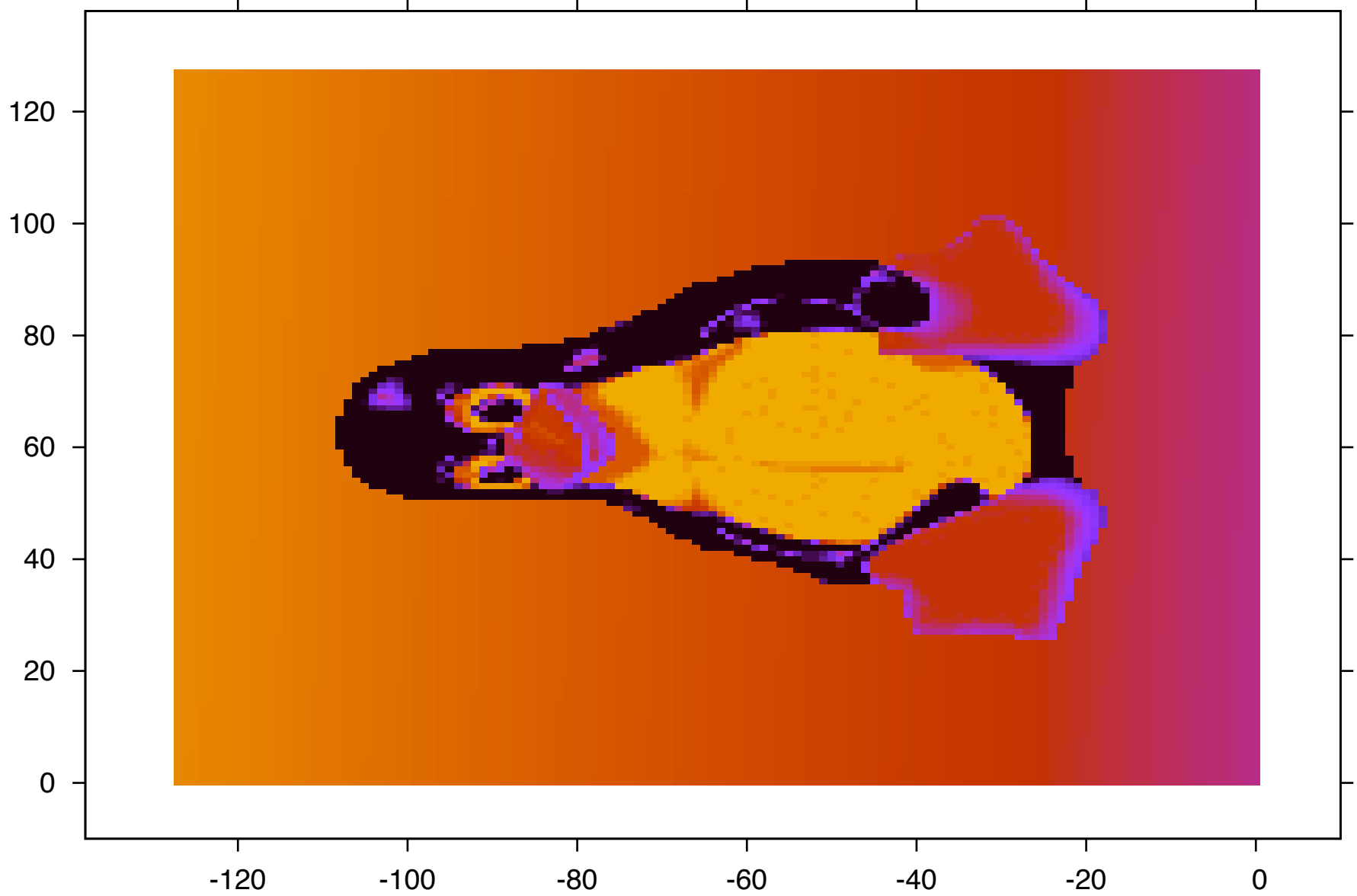


Polygons used to draw pixels for rotated images
Notice the slower refresh rate than for the next plot

y=128x128 dx=0.70711 dy=0.70711 flipy rotation=45d center=(63.5,63.5) format='%uchar' using (\$1+\$2+\$3)/3

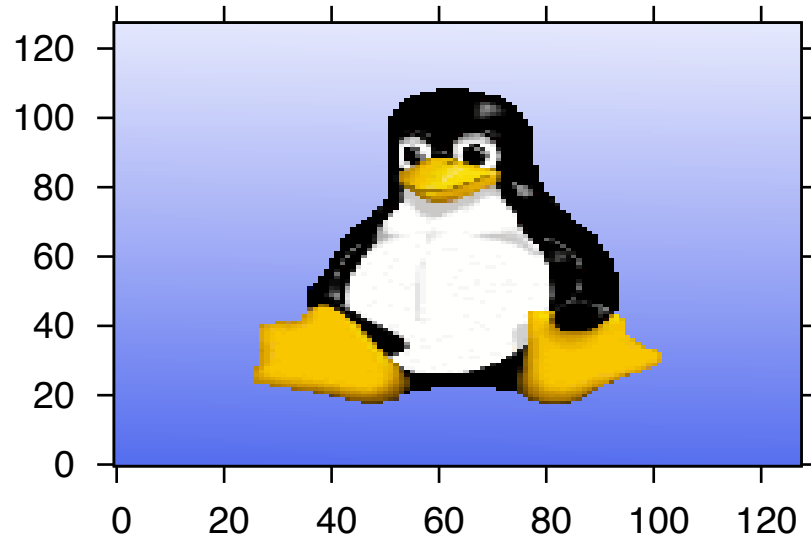


Terminal image routine used to draw plot rotated about origin
Notice the faster refresh rate than for the previous plot

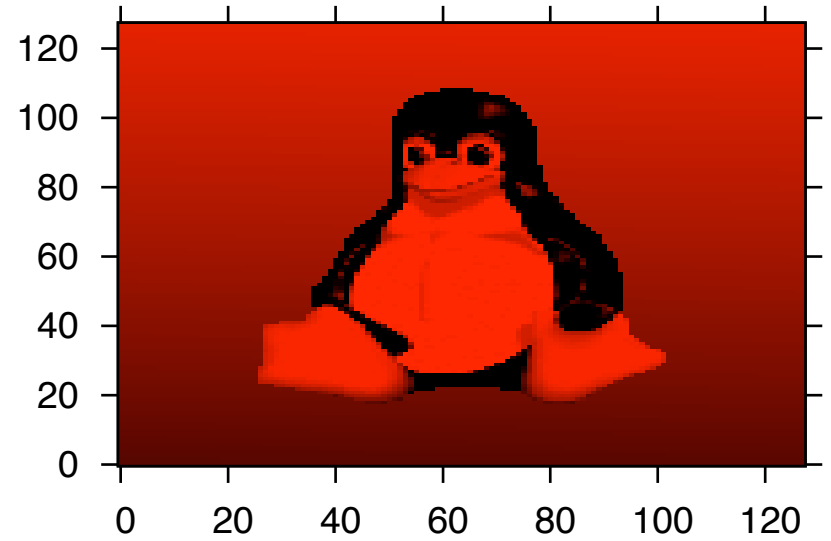


Selection of the input channels via 'using'

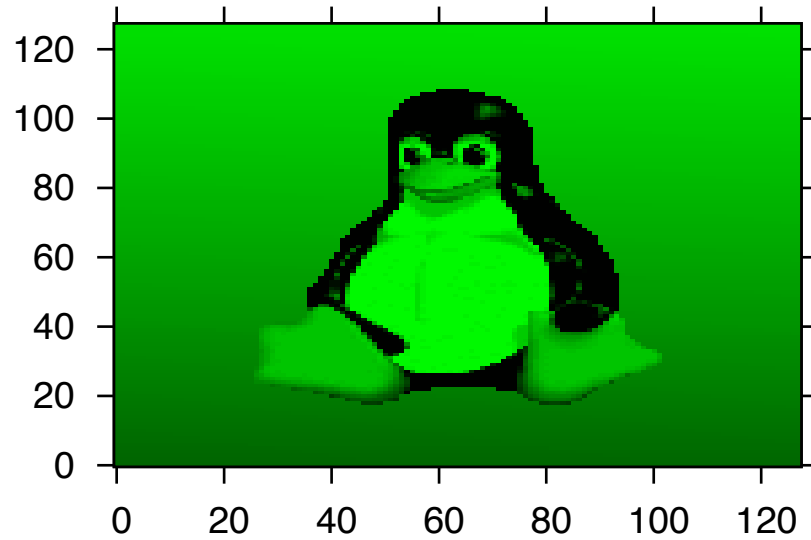
"I do impersonations..."



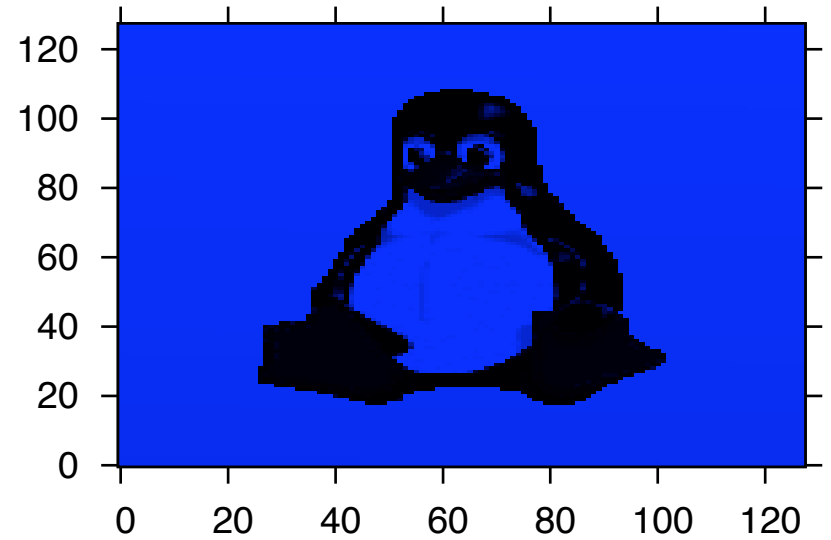
"A cardinal."



"A parrot."

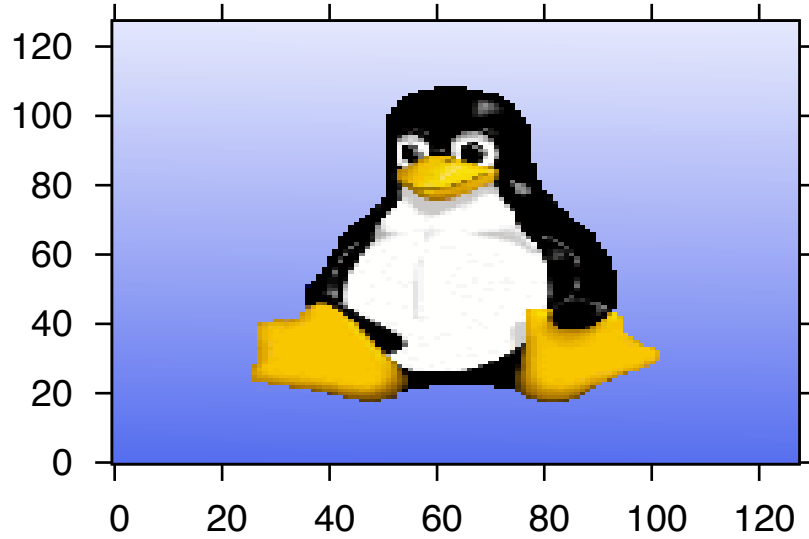


"A bluebird."

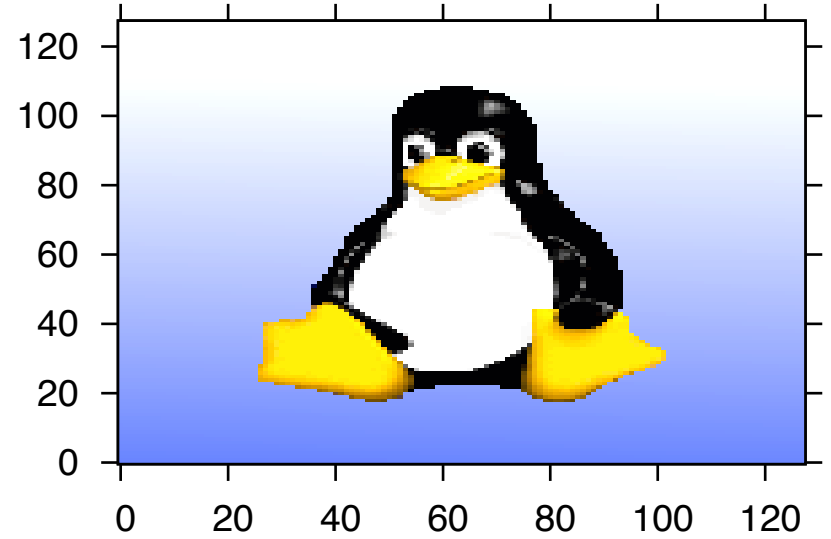


Luminance adjustment via 'cbrange'

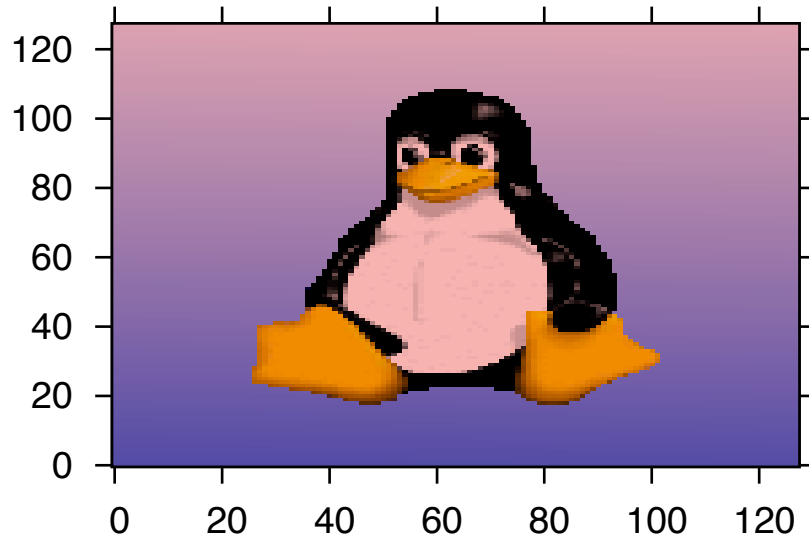
Lake Mendota, "or Wonk-sheck-ho-mik-la!"



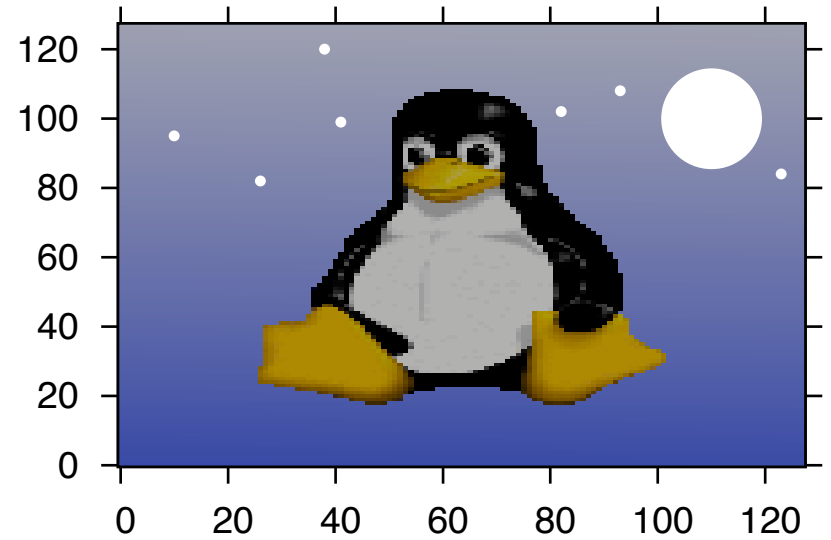
"Lucky I brought sunscreen."



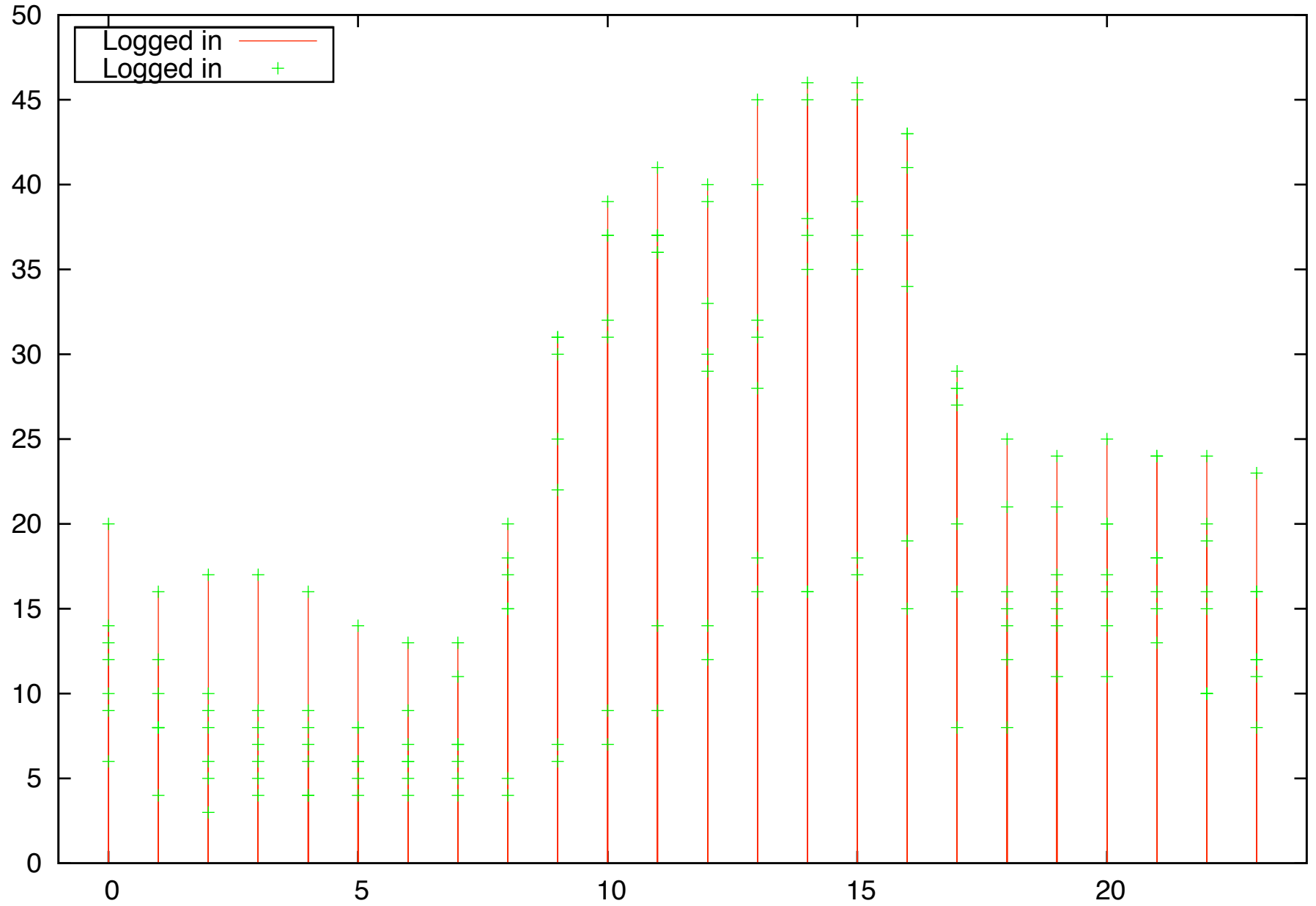
Sunset on the Terrace



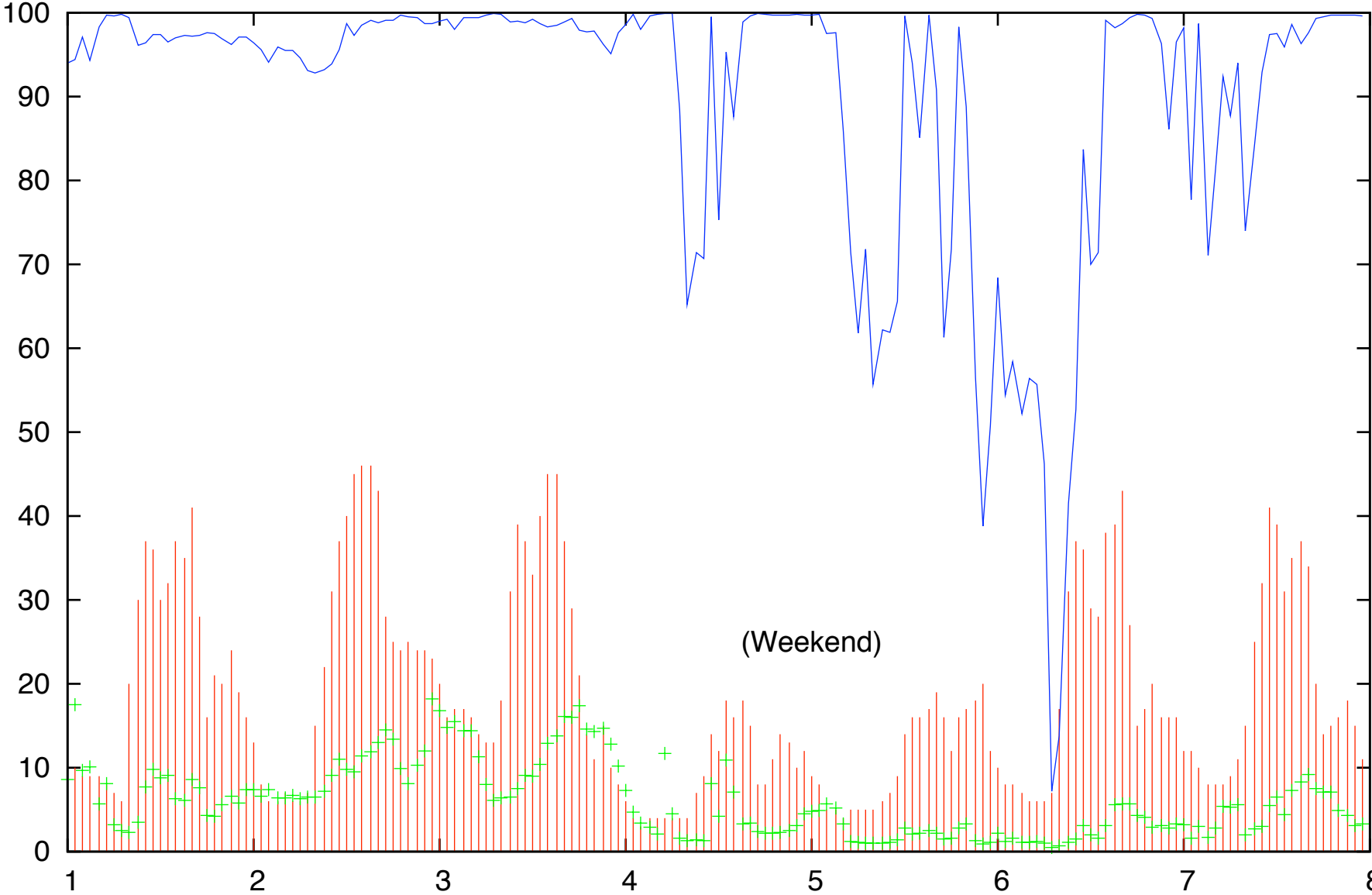
Sultry evening



Convex November 1-7 1989 Circadian



Convex November 1-7 1989

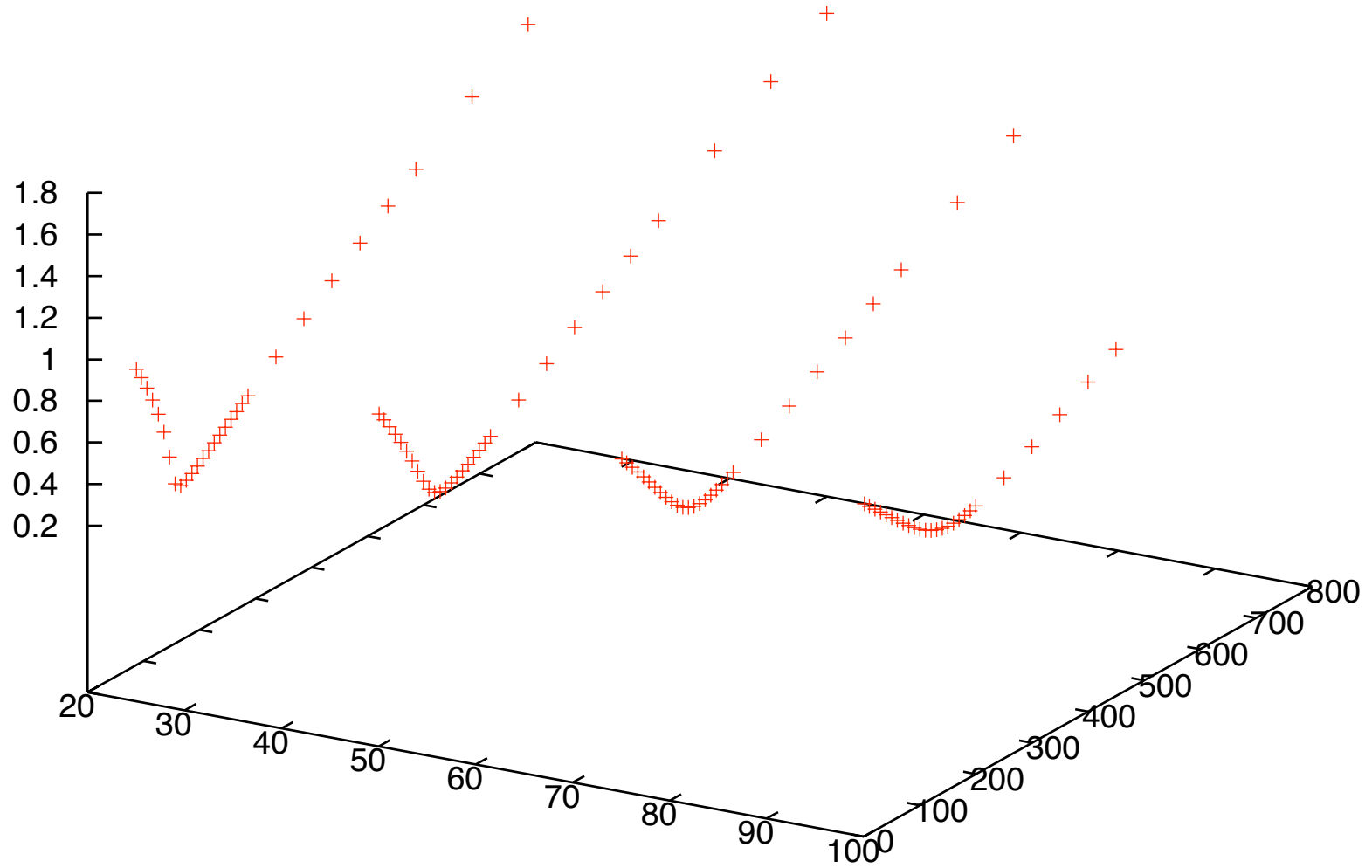


(Weekend)

Logged in — Load average + %CPU used —

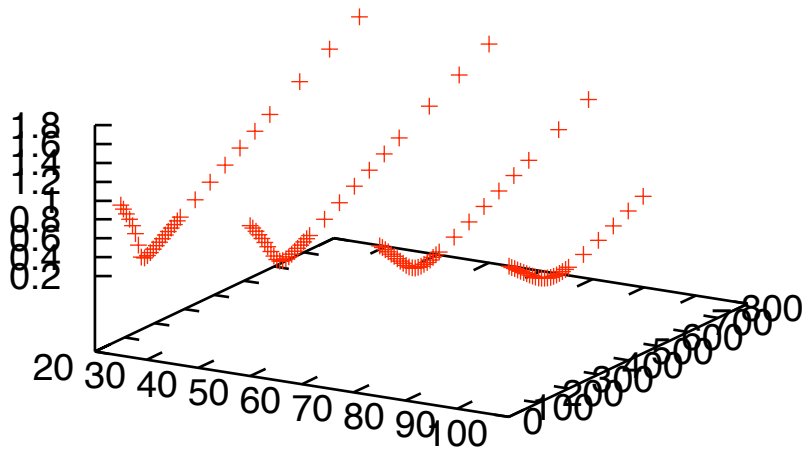
2d binary data example where record length is part of command

'scatter2.bin' binary endian=little record=30:30:29:26 using 1:2:3 +

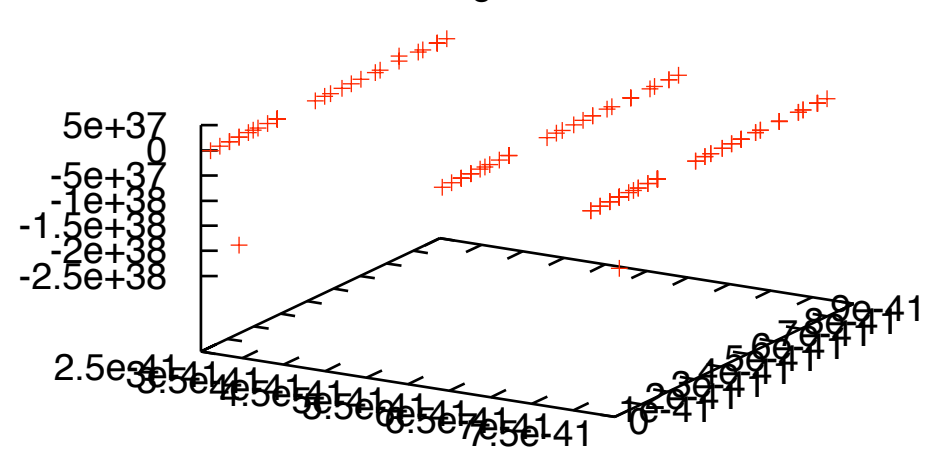


If plots in columns match, your compiler is little endian

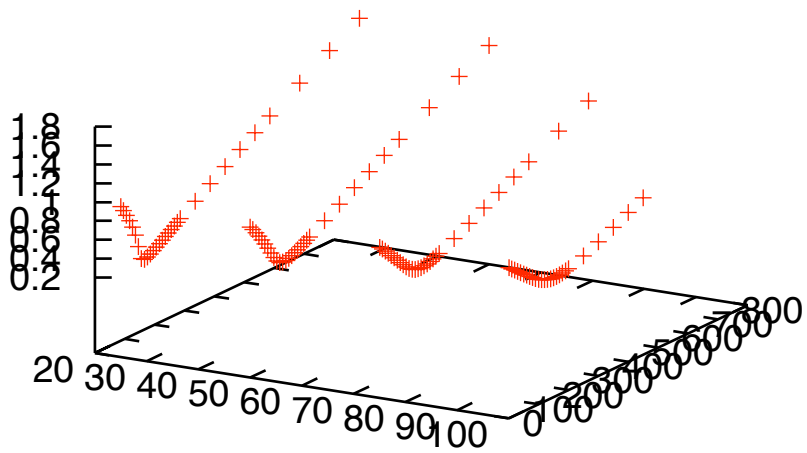
Little endian



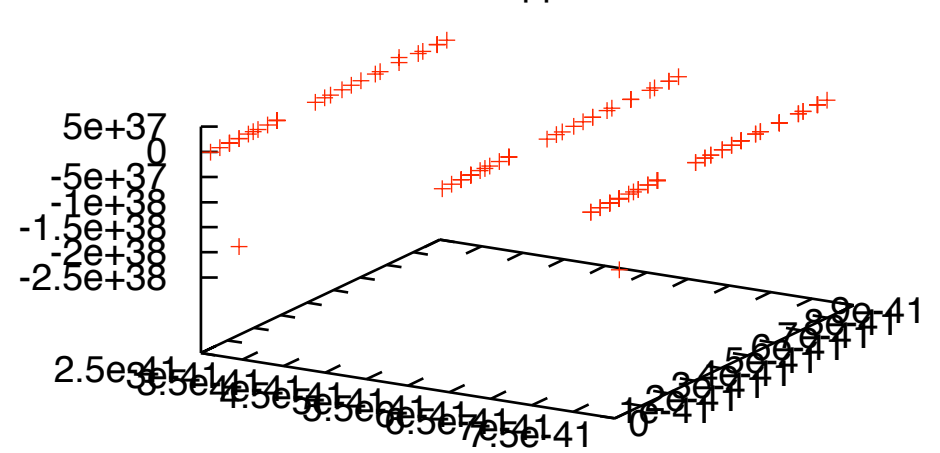
Big endian



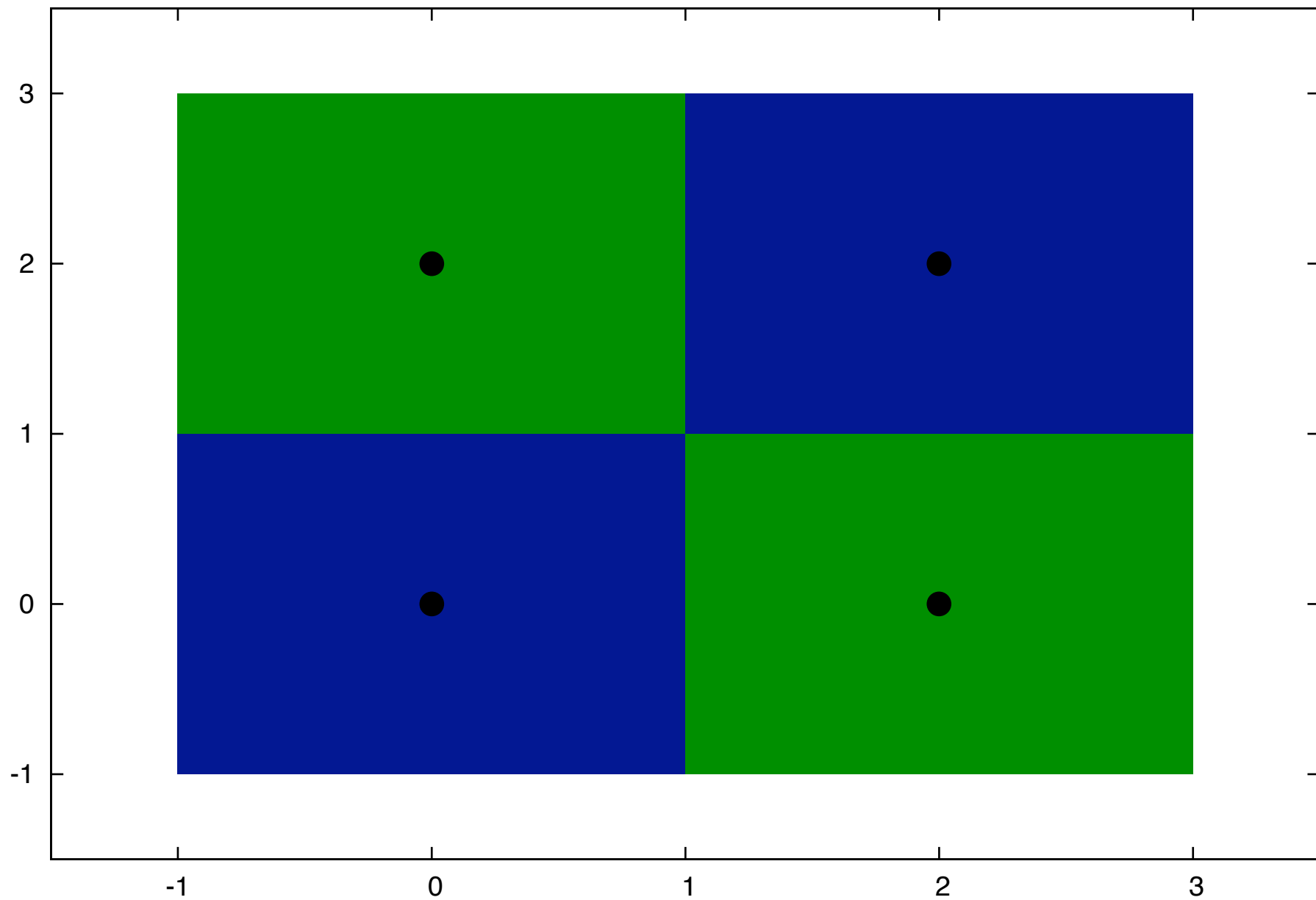
Default



Swapped

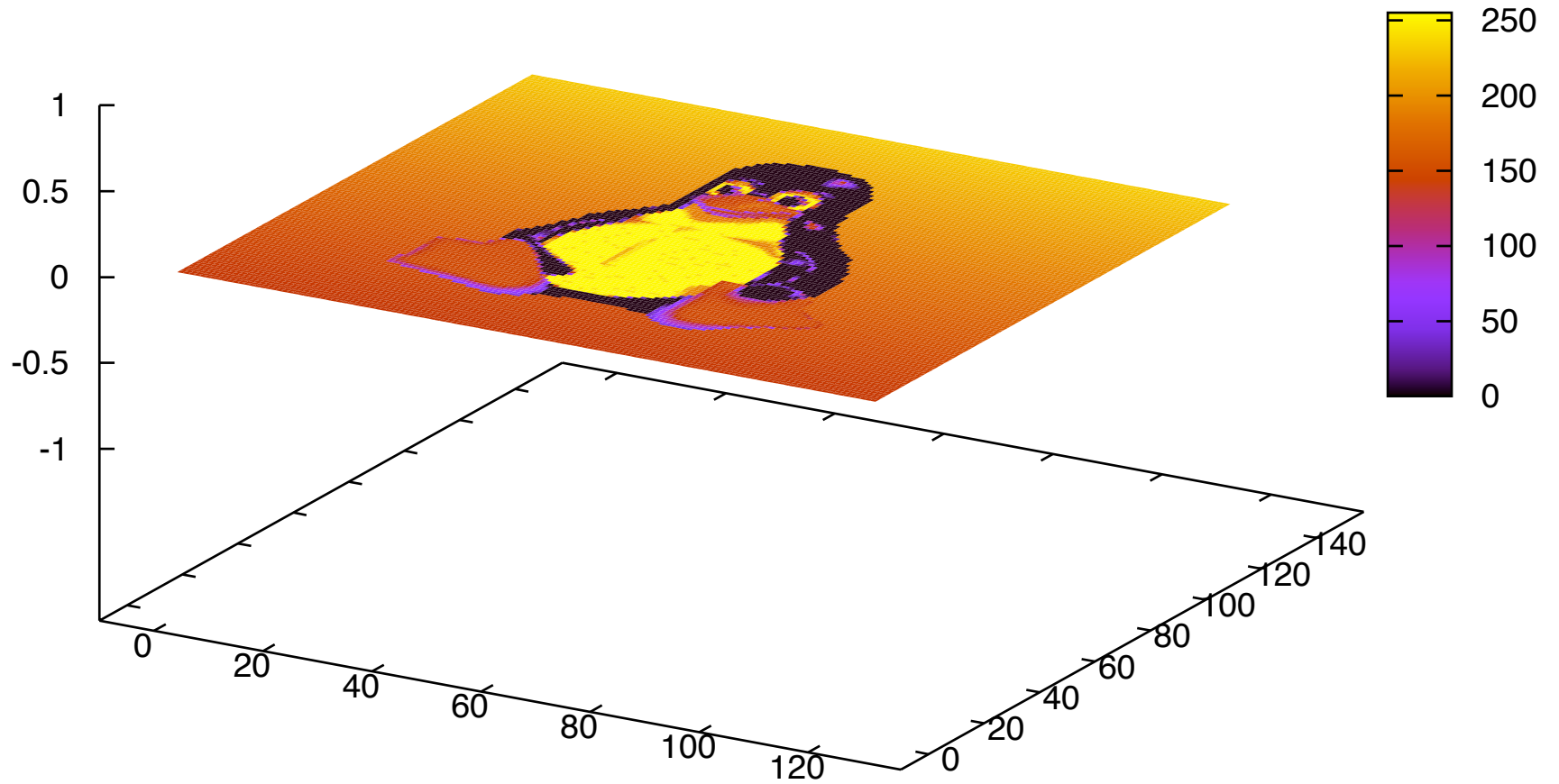


Close up of pixels having grid points (0,0), (0,2), (2,0) and (2,2)



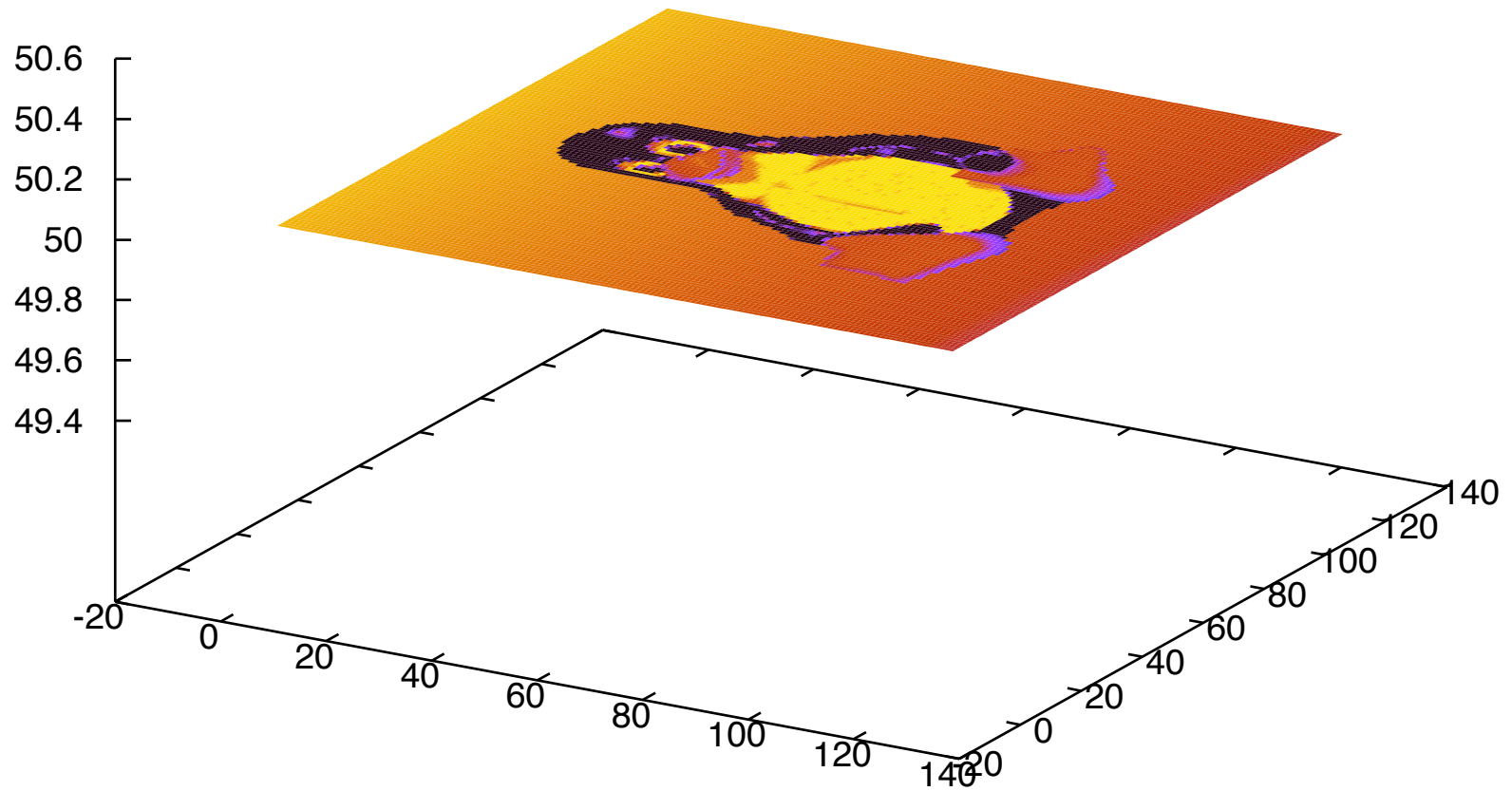
Simple extension of a two dimensional image into three dimensions

'blutux.rgb' binary array=128x128 flip=y format='%uchar%uchar%uchar' using $(\$1+\$2+\$3)/3$



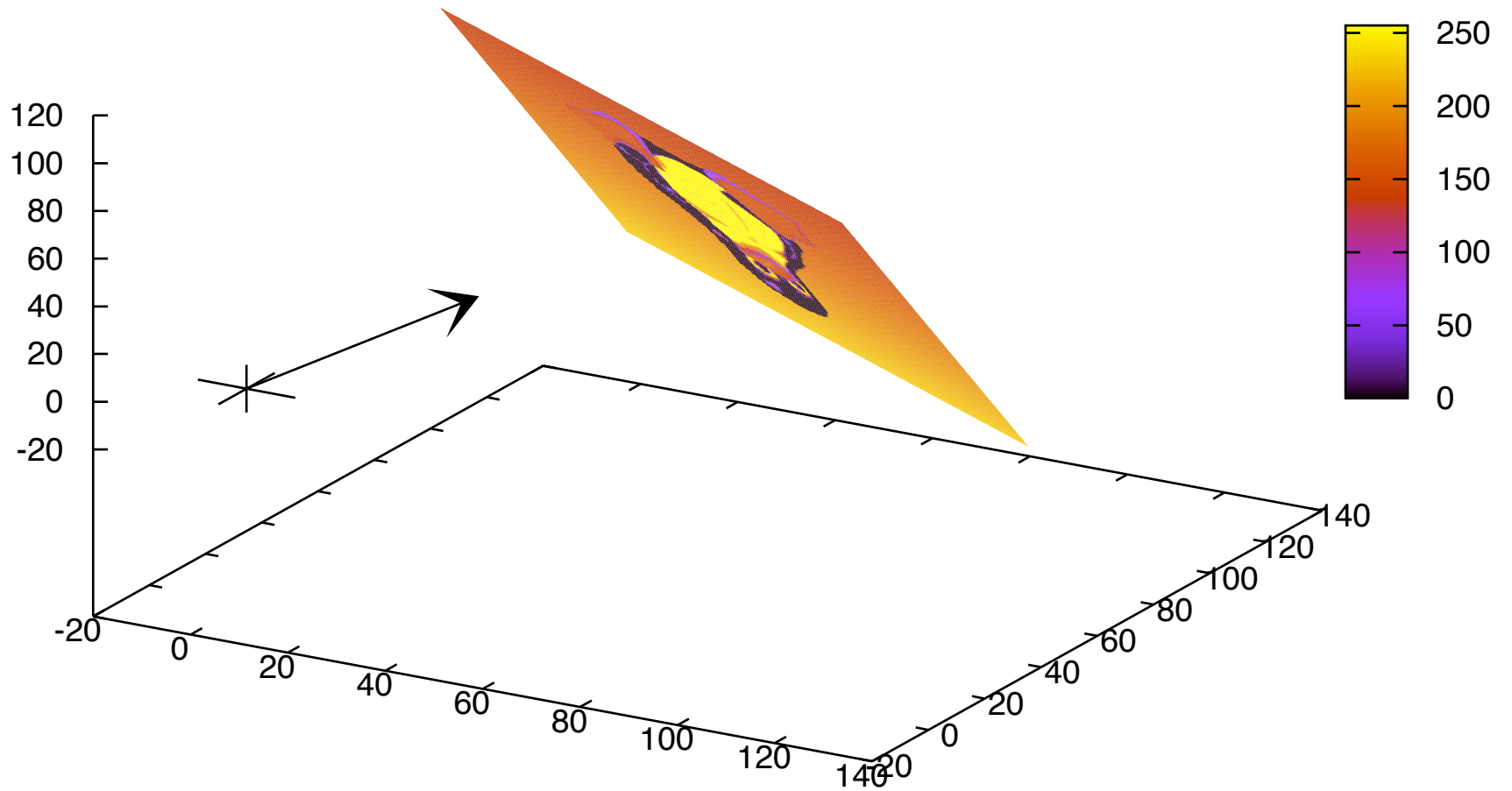
Orientation operations from 'plot' also apply to 'splot'

binary array=128x128 flipy rotate=90d center = (63.5,63.5,50) format='%uchar%uchar%uchar' using (\$1+\$2+\$3)



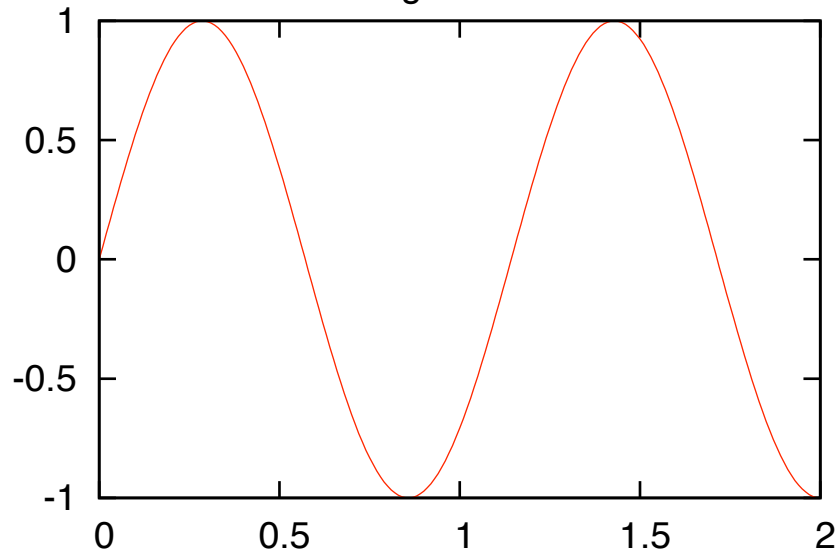
The key word 'perpendicular' applies only to 'splot'

128x128 flipy rot=1.0pi center = (63.5,63.5,50) perp=(1,1,1) format='%uchar%uchar%uchar' using (\$1+\$2+\$3)/3

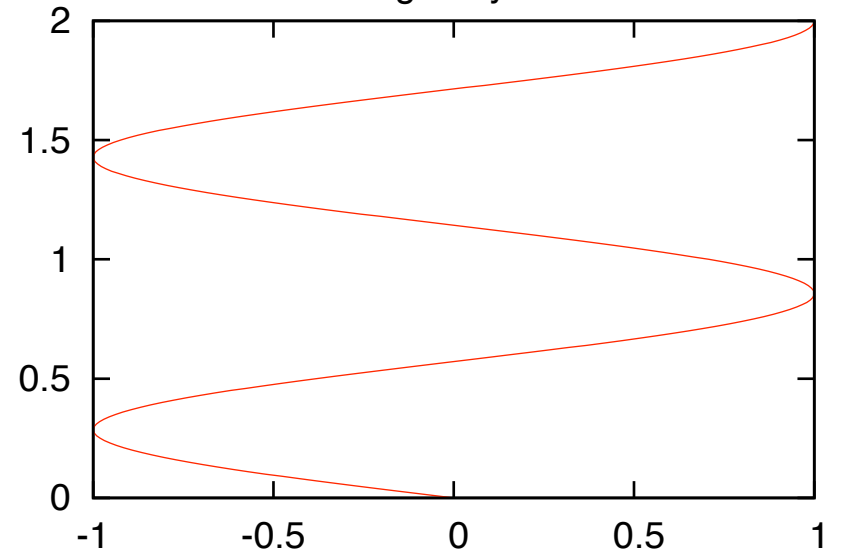


Temporal data having one generated coordinate

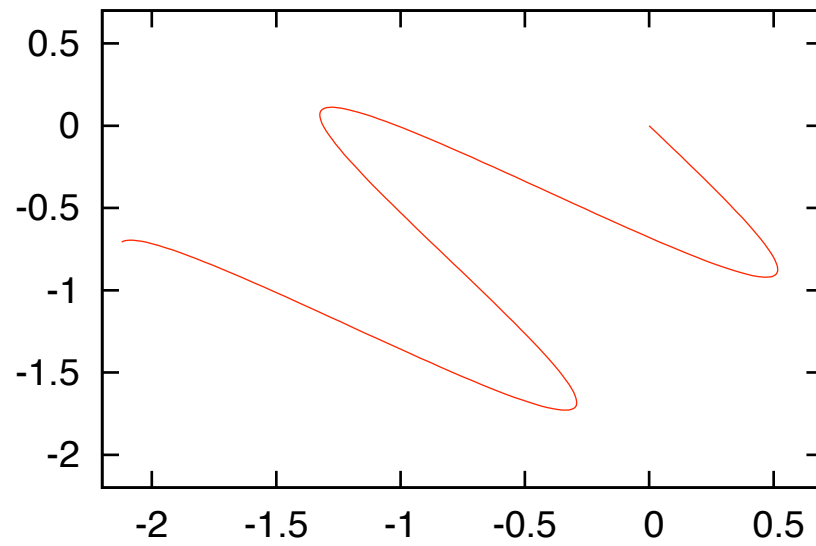
Along the x-axis



Along the y-axis

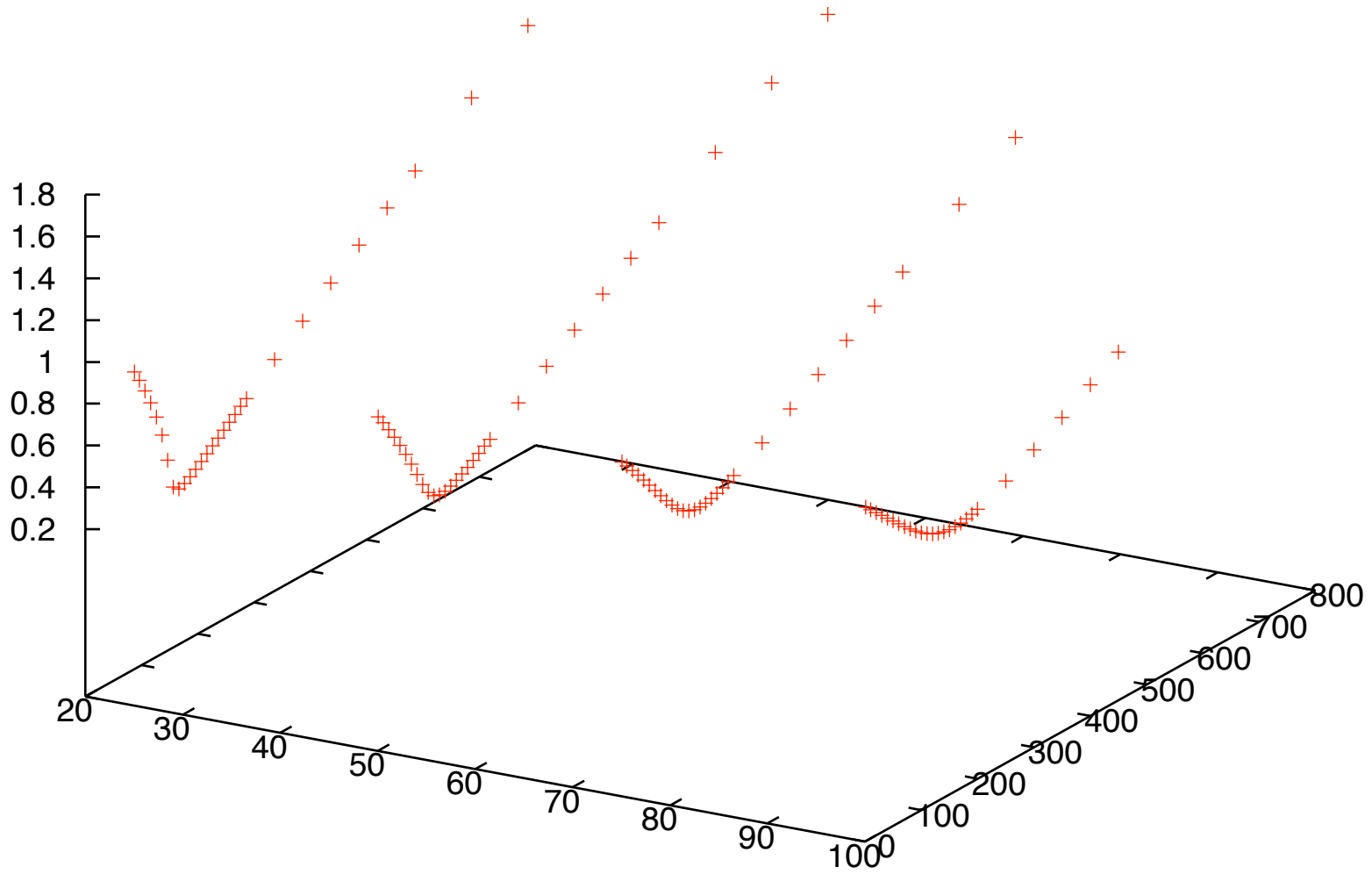


Along a 225 degree projection



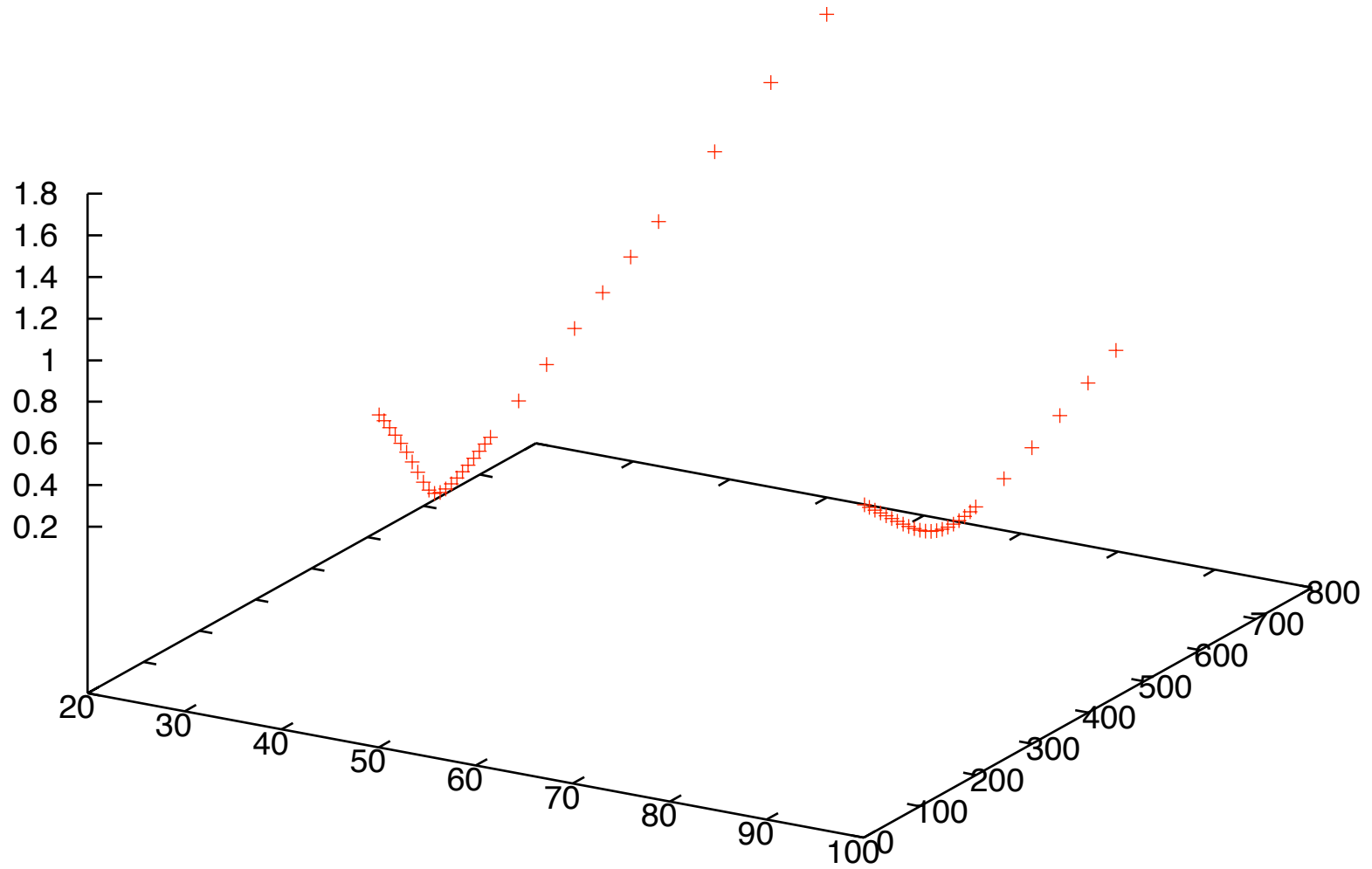
2d binary data example where x coordinate is ignored then generated

in' binary endian=little record=30:30:29:26 origin=(25,0,0):(50,0,0):(75,0,0):(100,0,0) format='%f%f' using (0):2:3 +



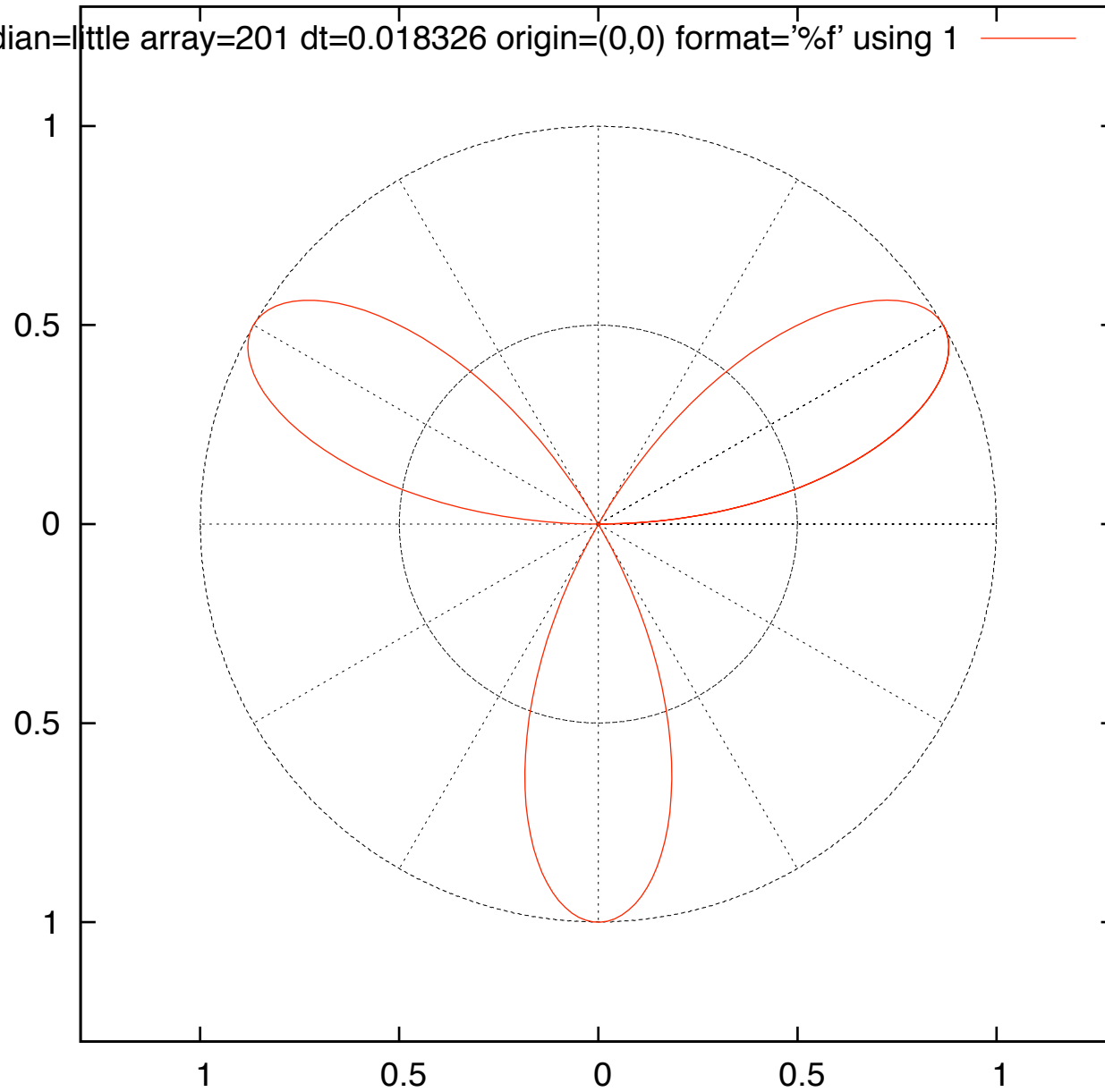
The key word 'skip' used to ignore some data

catter2.bin' binary endian=little record=30:26 skip=360:348 origin=(50,0,0):(100,0,0) format='%f%f' using (0):2:3 +

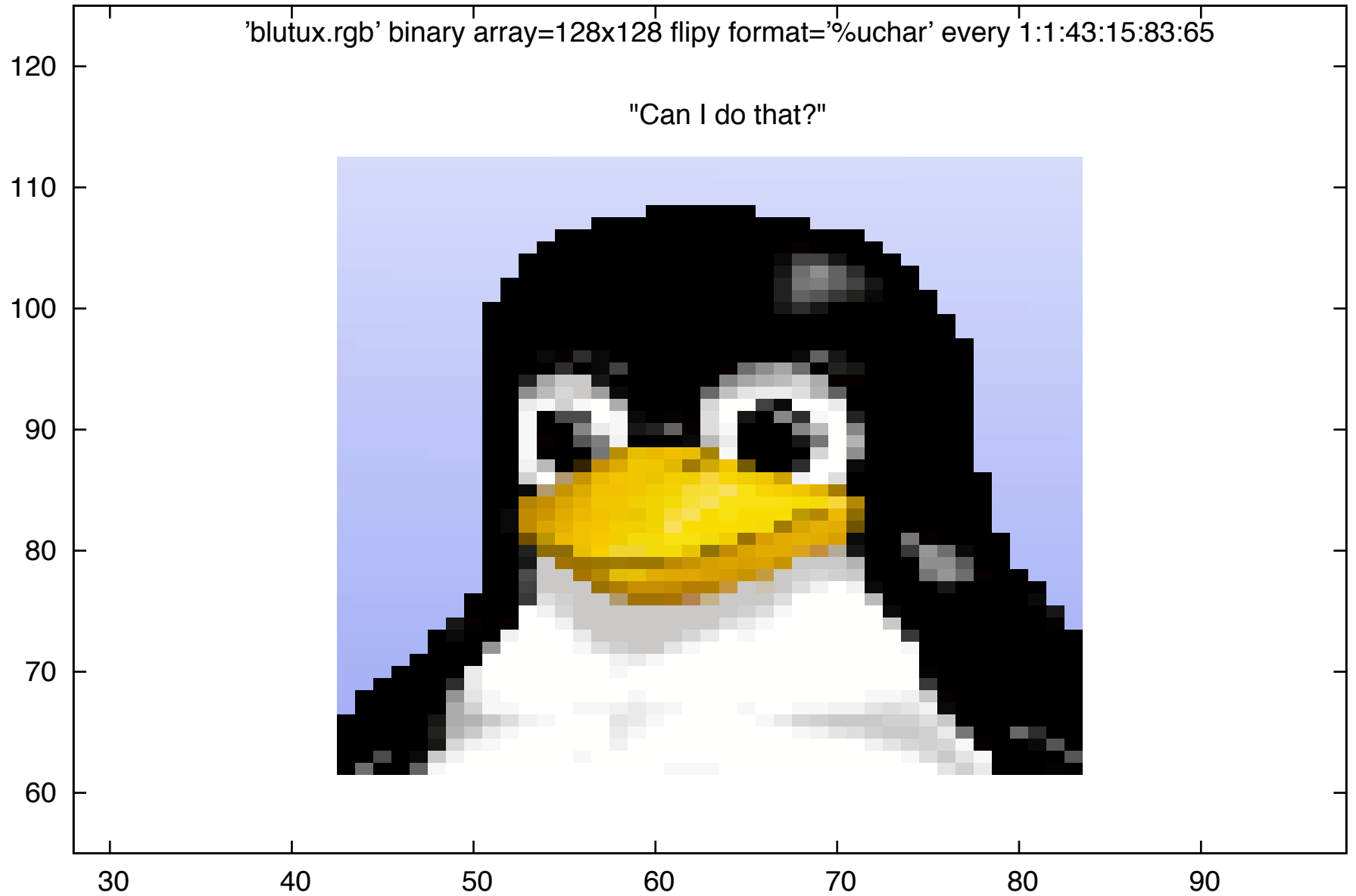


Uniform sampling in the polar coordinate system

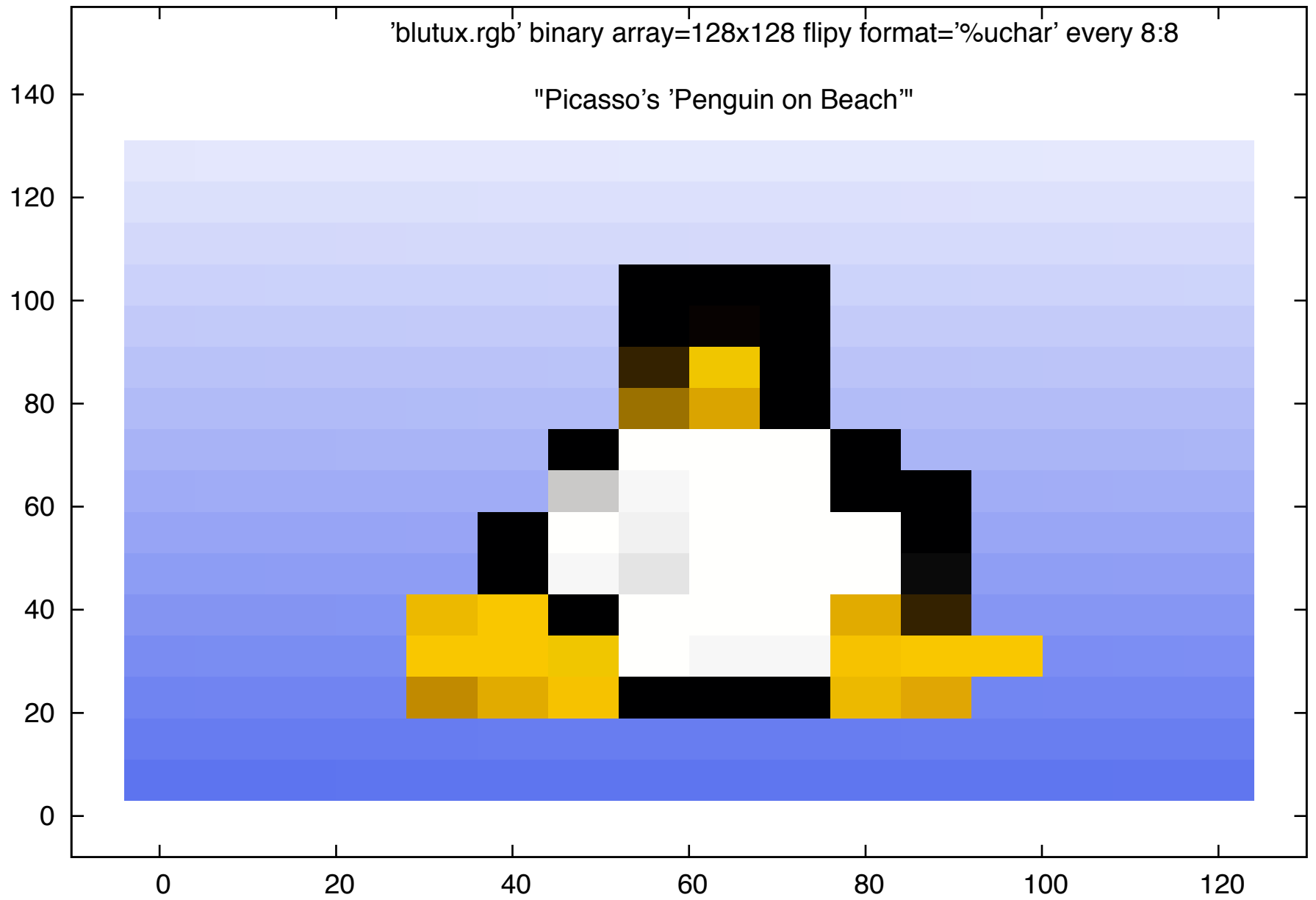
'sine.bin' binary endian=little array=201 dt=0.018326 origin=(0,0) format='%f' using 1



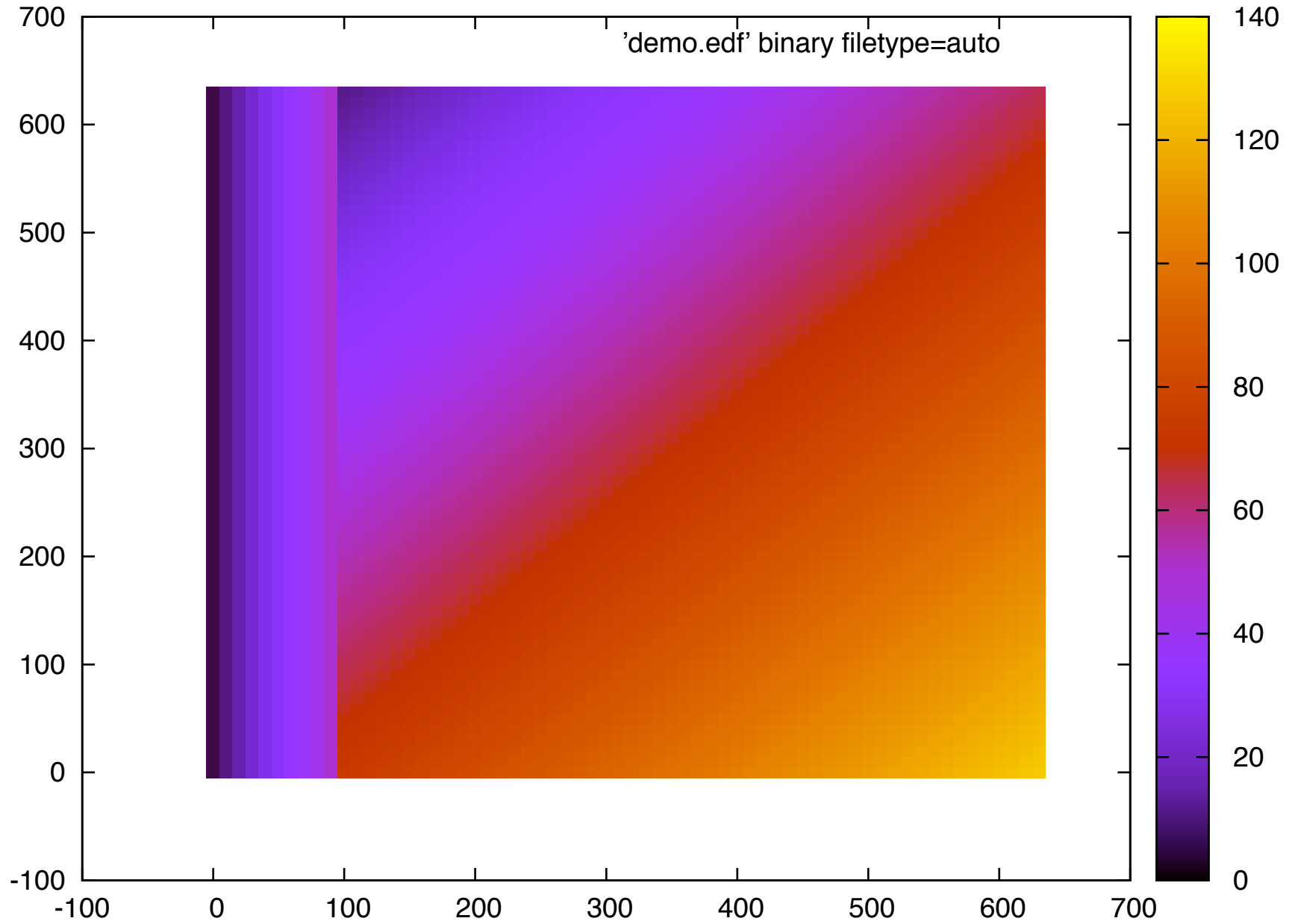
Decimation works on general binary data files as well.
Let Tux have his fun...



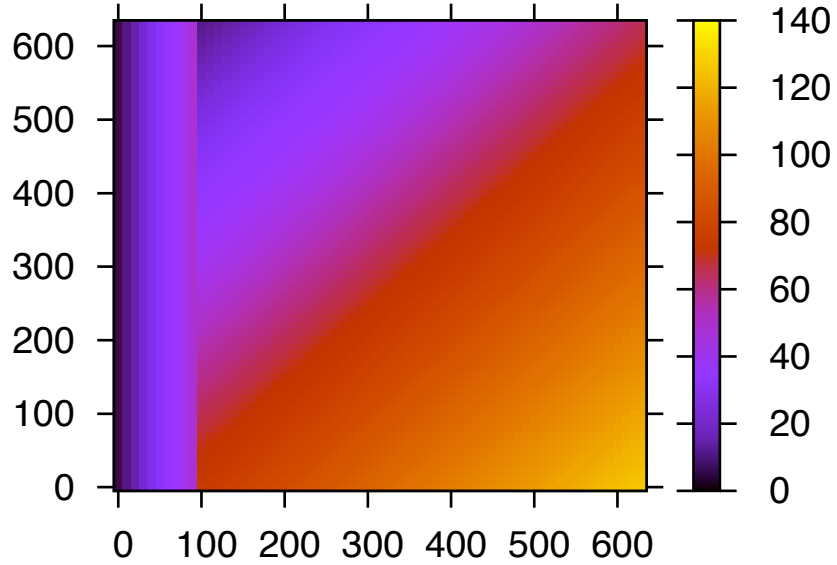
... Sure, go ahead.



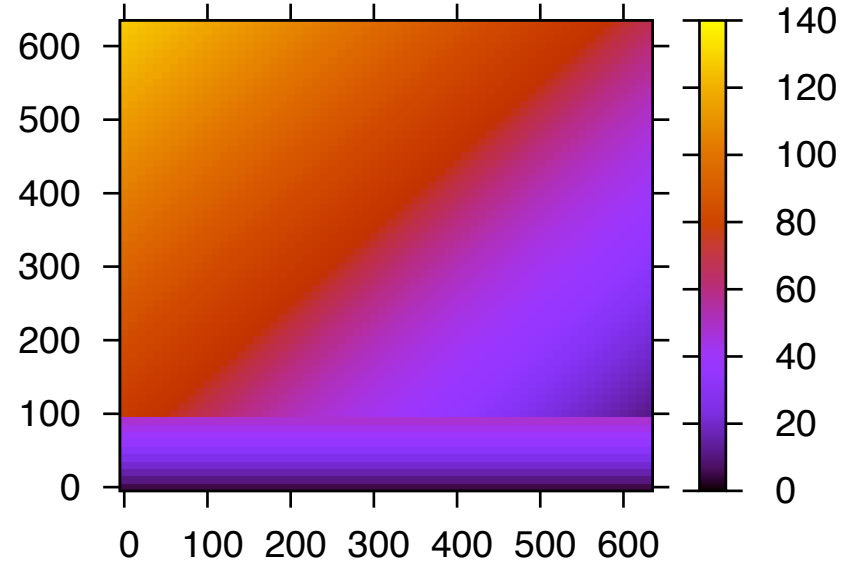
Automatically recognizing file type and extracting file information



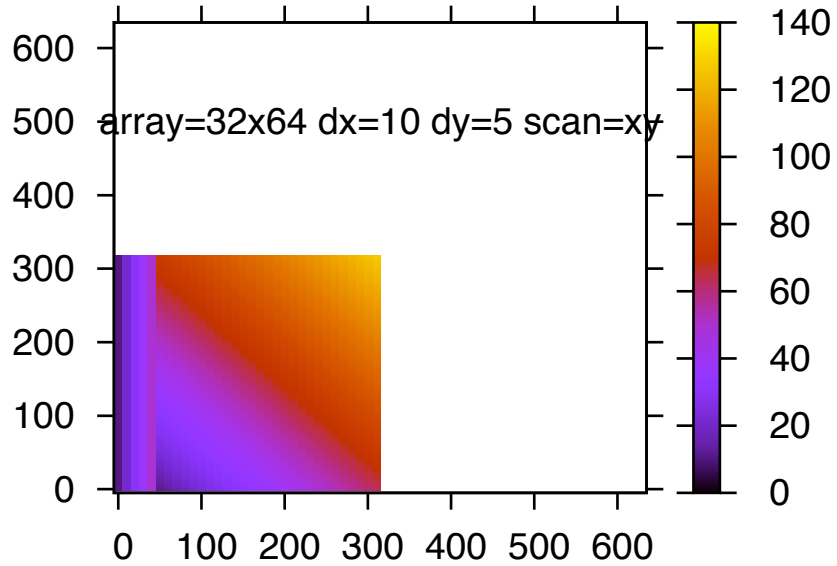
Details read from file



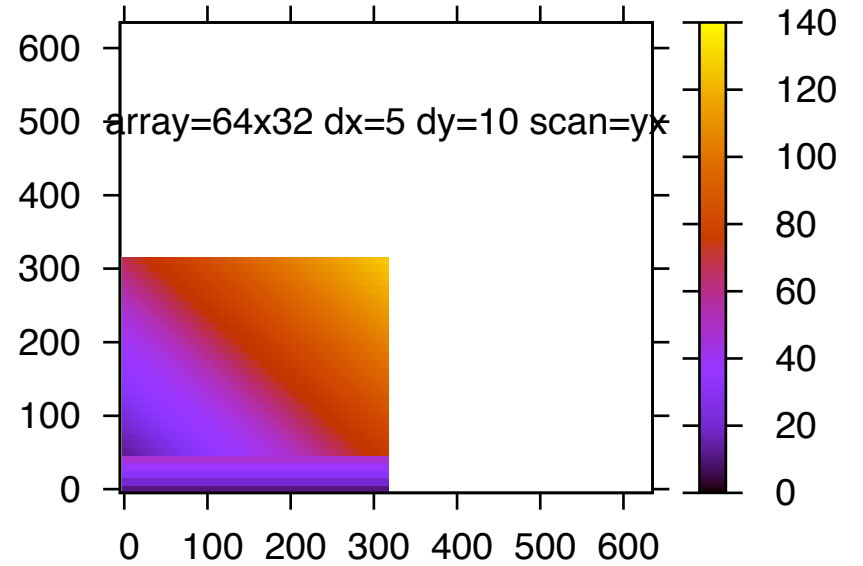
Transpose of file-read axes parameters



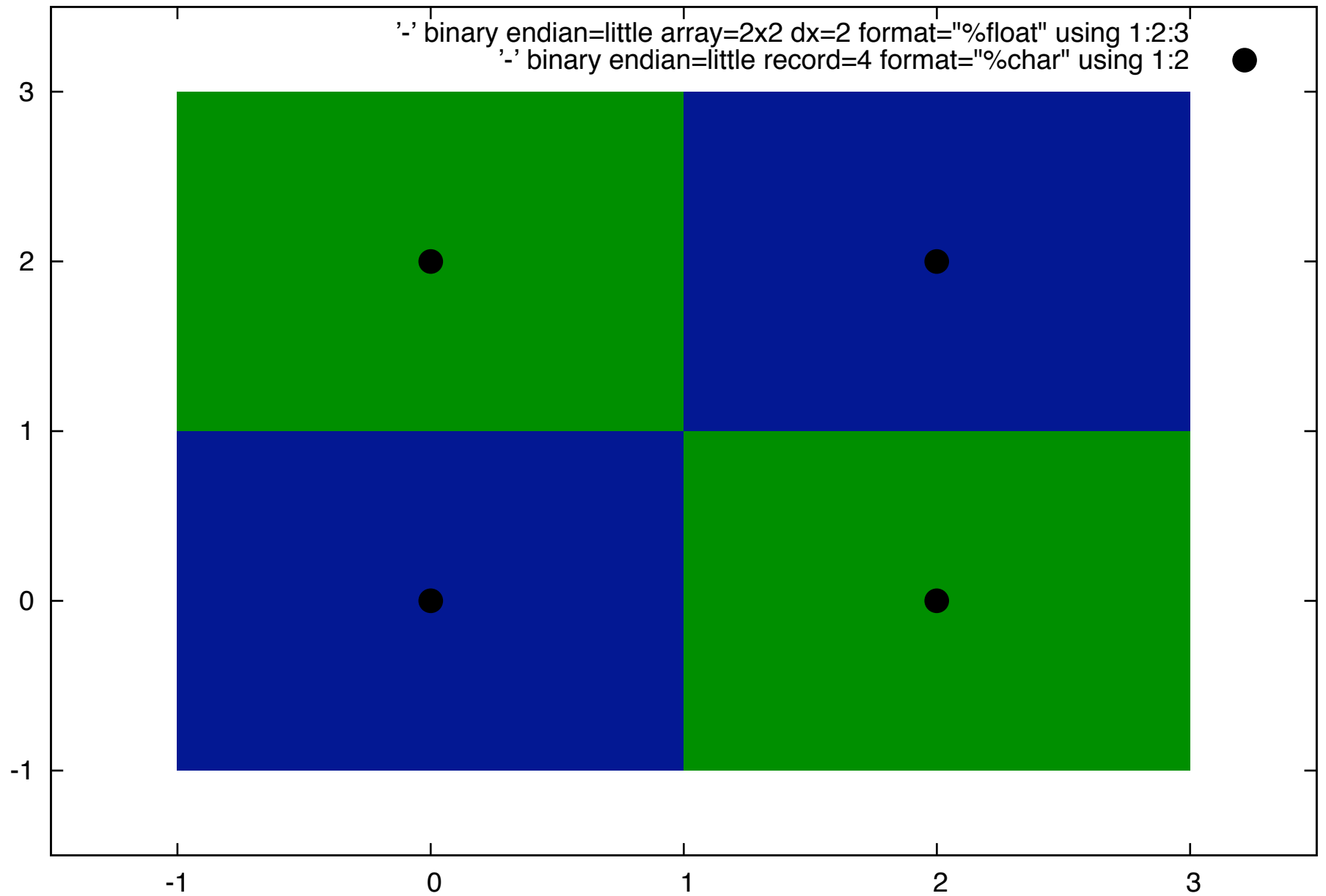
Details specified at command line



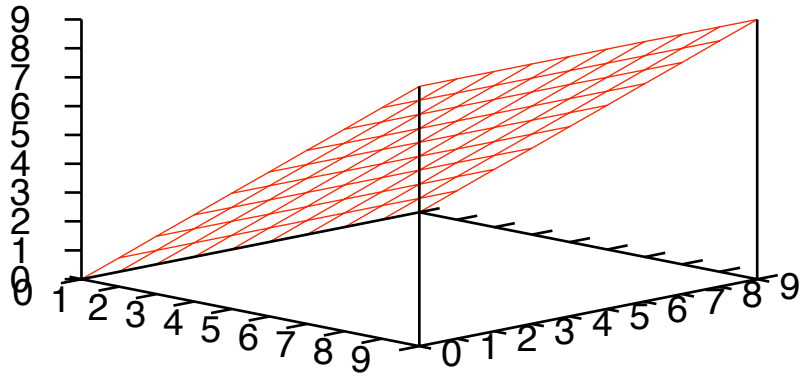
Transpose of command line axes parameters



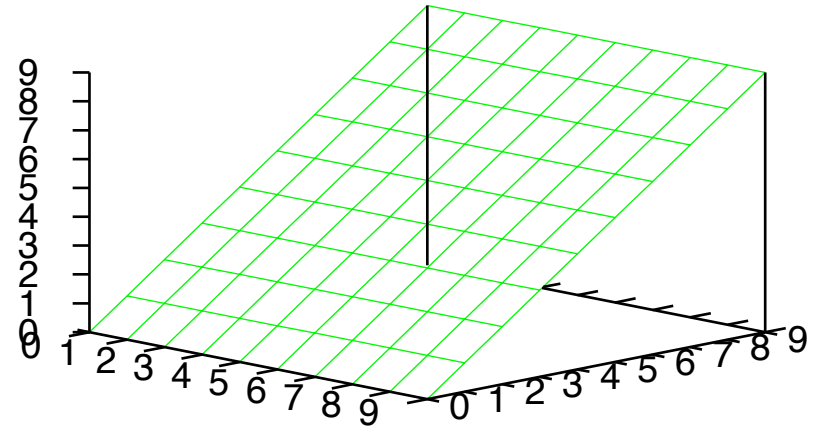
Binary data specified at the command line, intended for use through pipe



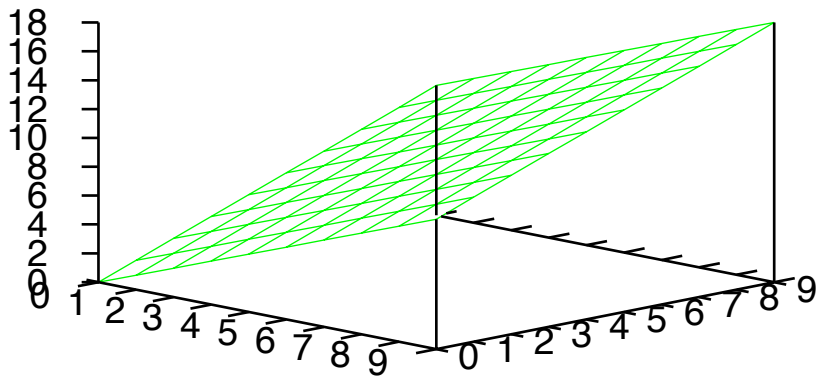
'asciimat.dat' matrix index 0



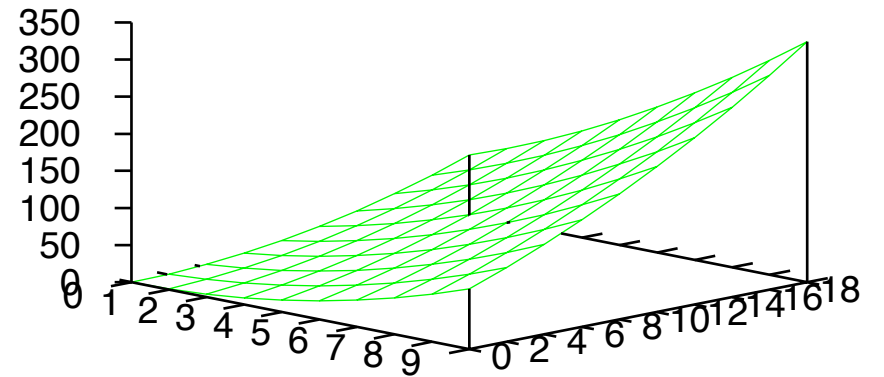
'asciimat.dat' matrix index 1

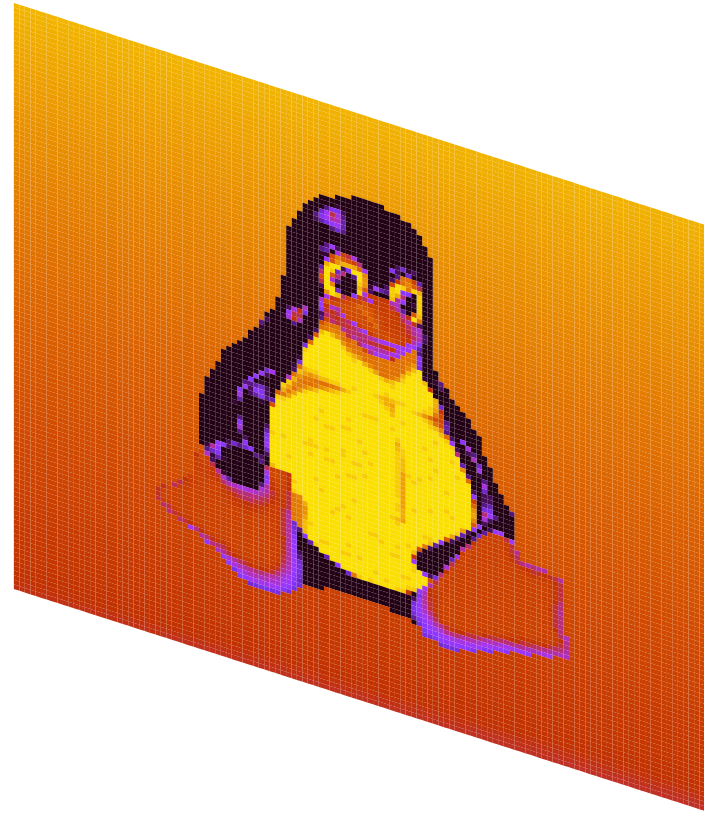
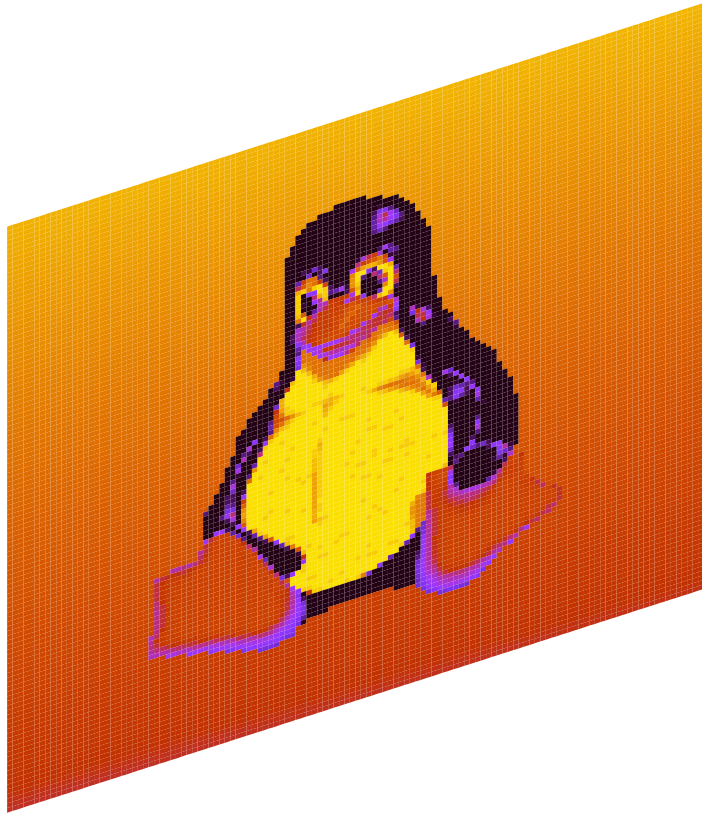


'asciimat.dat' matrix index 2



'asciimat.dat' matrix index 2 using 1:(2*\$2):(3*\$3)





"Mirror mirror on the wall,
who's the GNUiest penguin of all?"

Exercise substring handling

```
beg = 2 end = 4
foo      = ABCDEF
foo[3:5] = CDE
foo[1:1] = A
foo[5:3] =
foo[beg:end] = BCD
foo[end:beg] =
foo[5:] = EF
foo[5:*] = EF
foo[:] = ABCDEF
foo[*:*] = ABCDEF
foo.foo[2:2] = ABCDEFB
(foo.foo)[2:2]= B
```

Exercise string handling functions

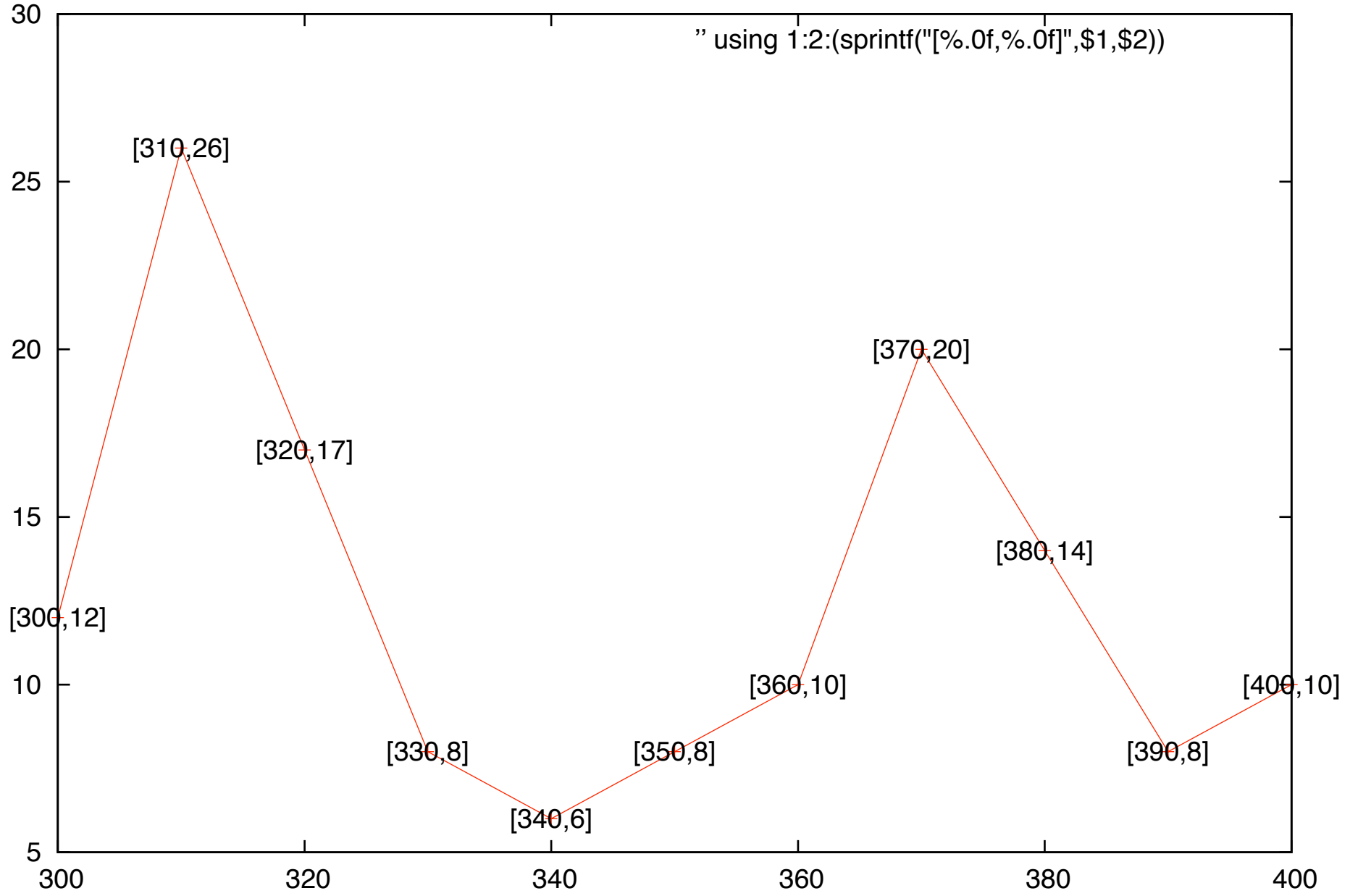
```
foo      = ABCDEF  
strlen(foo) = 6  
substr(foo,3,4) = CD
```

```
haystack = 'date'  
haystack = Wed Feb 4 12:18:59 EST 2009  
needle   = :  
S = strstr(haystack,needle) = 14  
haystack[S-2:S+2] = 12:18  
It is now 12:18
```

```
words(haystack) = 6  
word(haystack,5) = EST
```

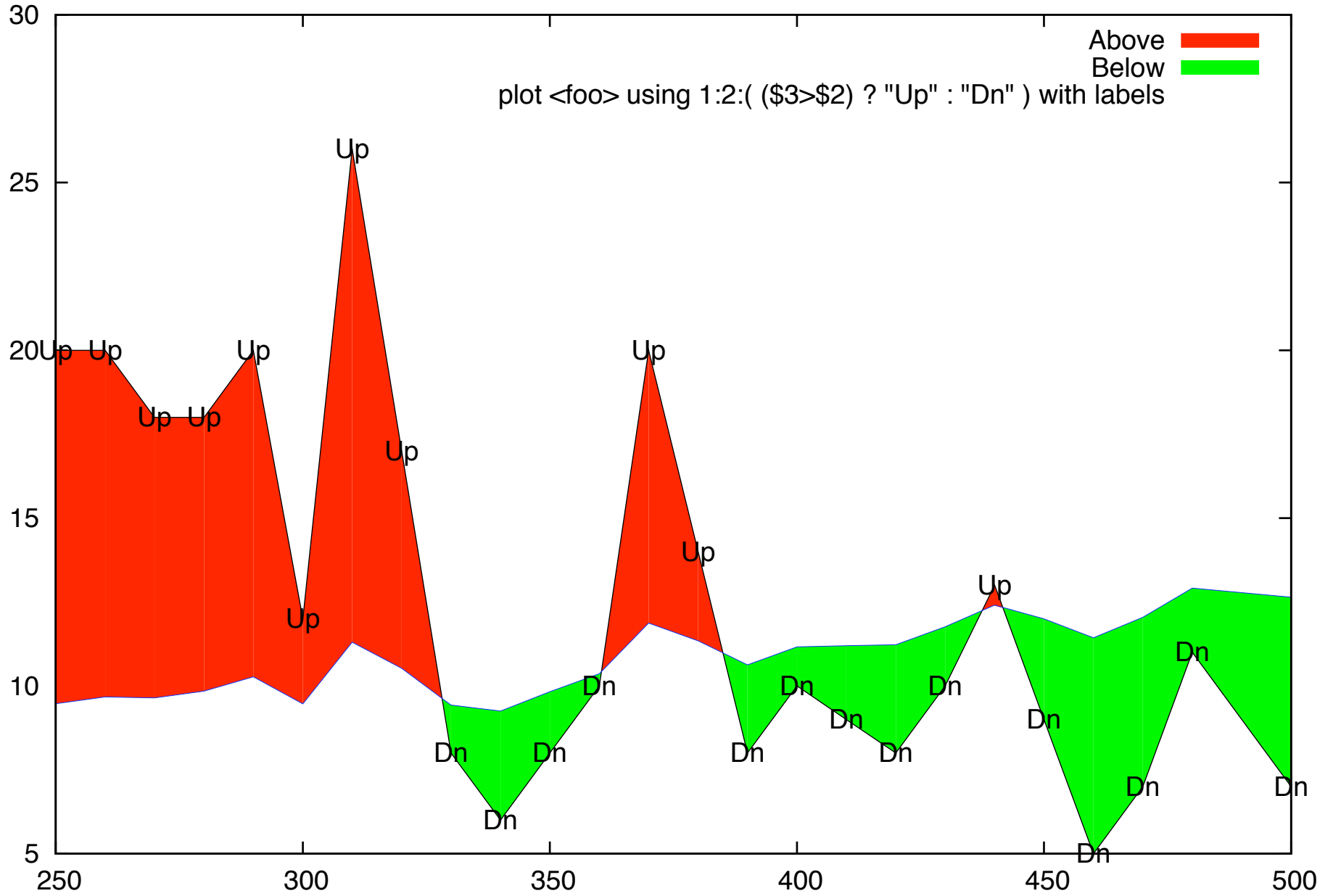
sprintf output of long strings works OK

String-valued expression in using spec

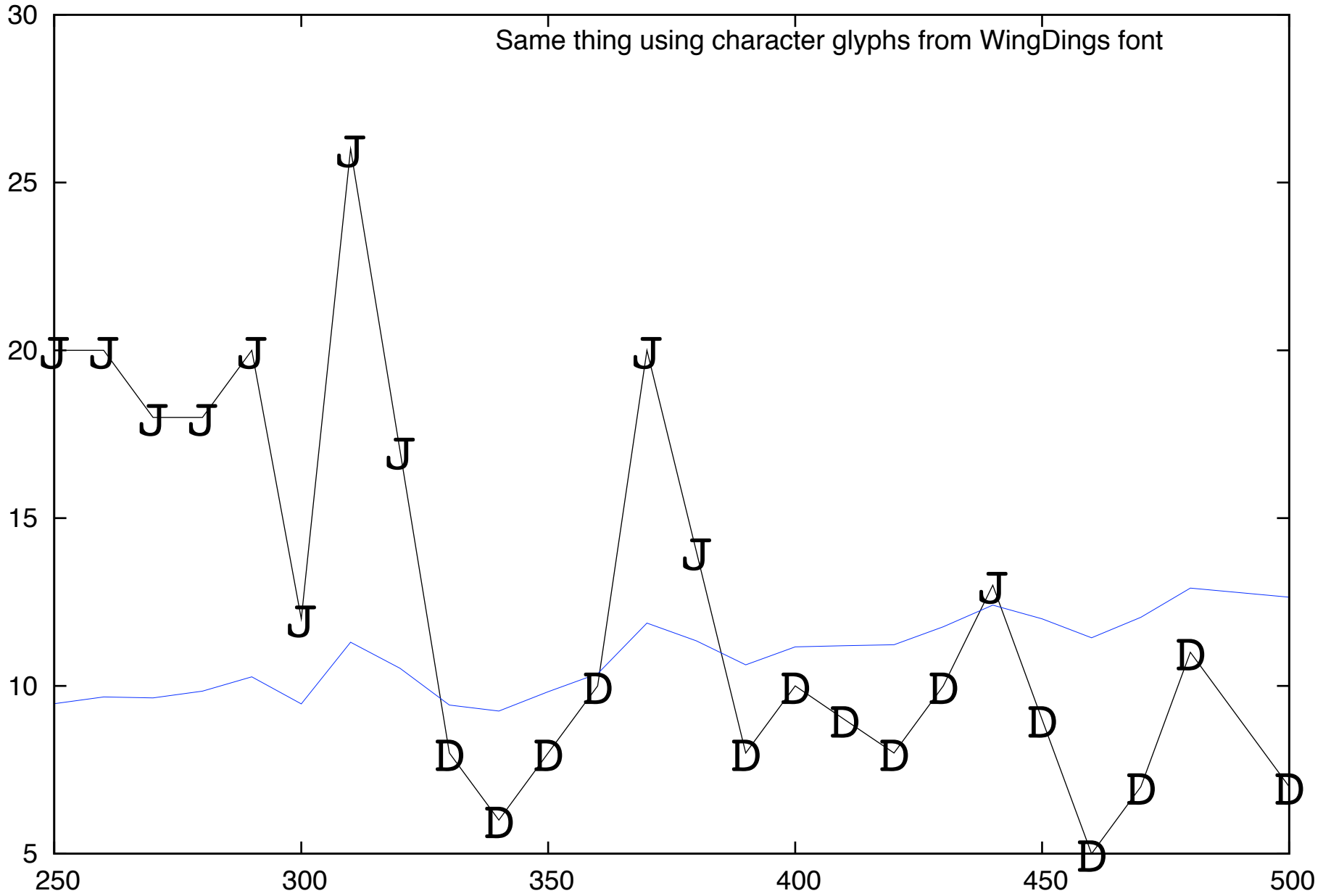


” using 1:2:(sprintf("[%0f,%0f]", \$1, \$2))

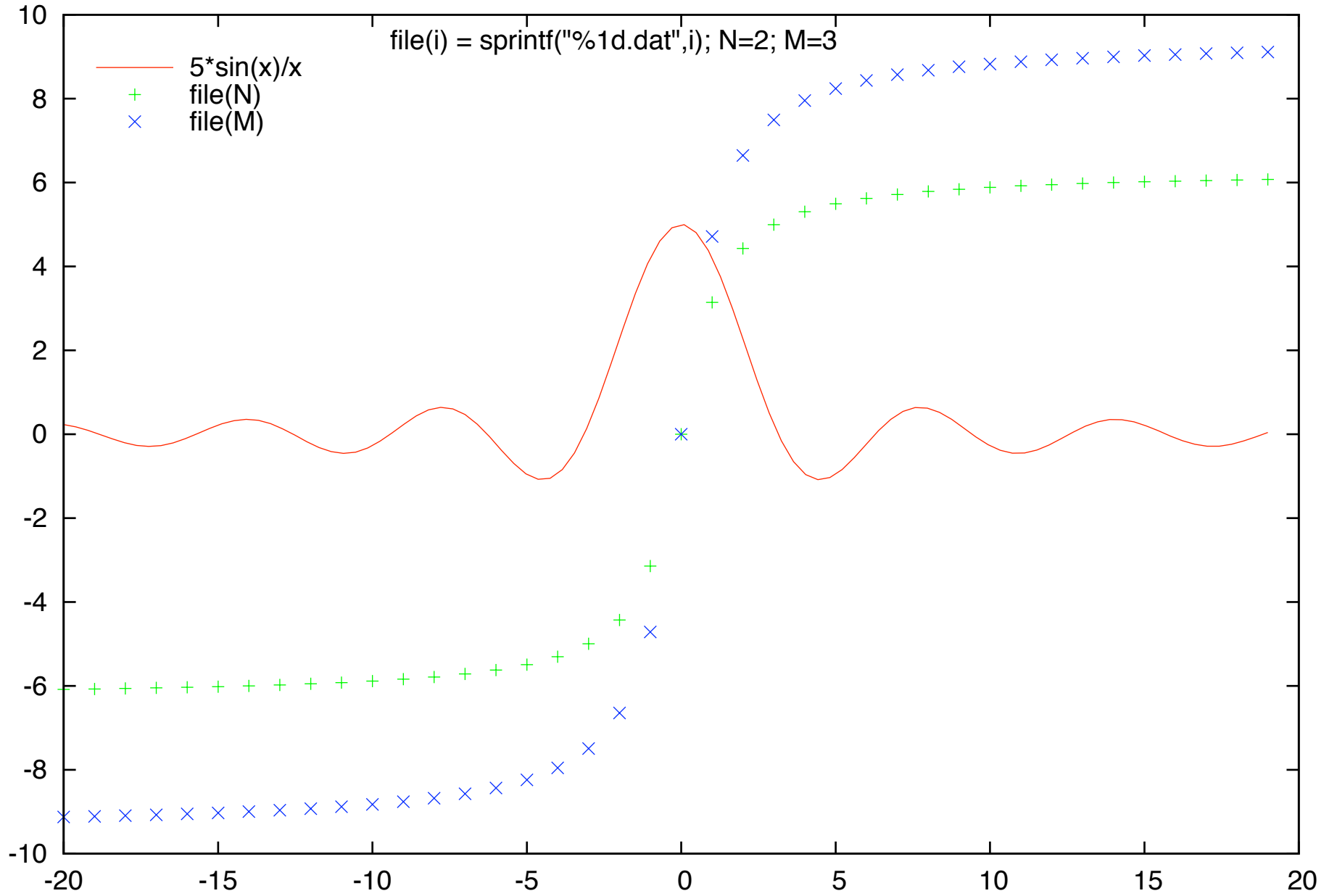
Constant string expressions as plot symbols

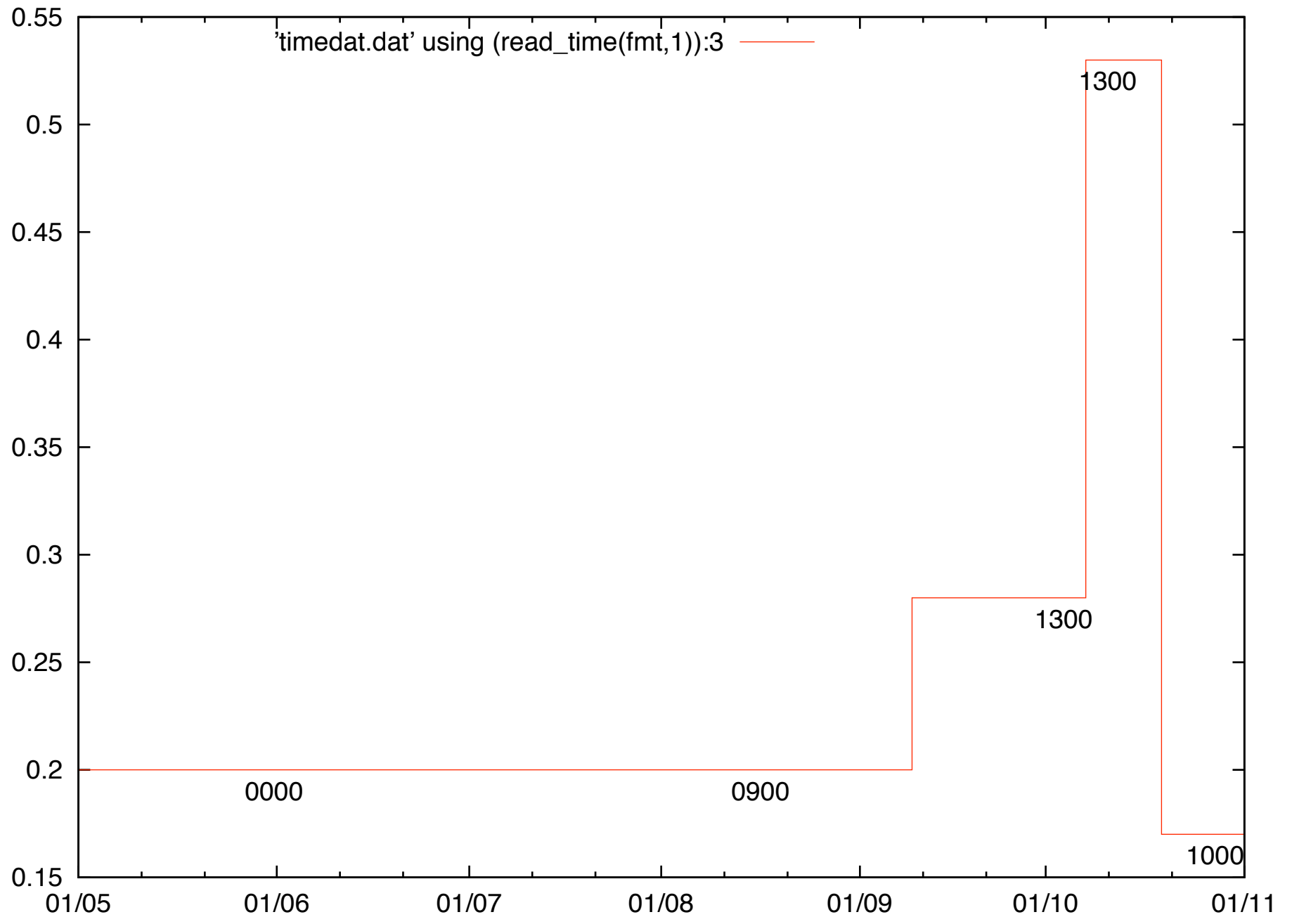


Constant string expressions as plot symbols

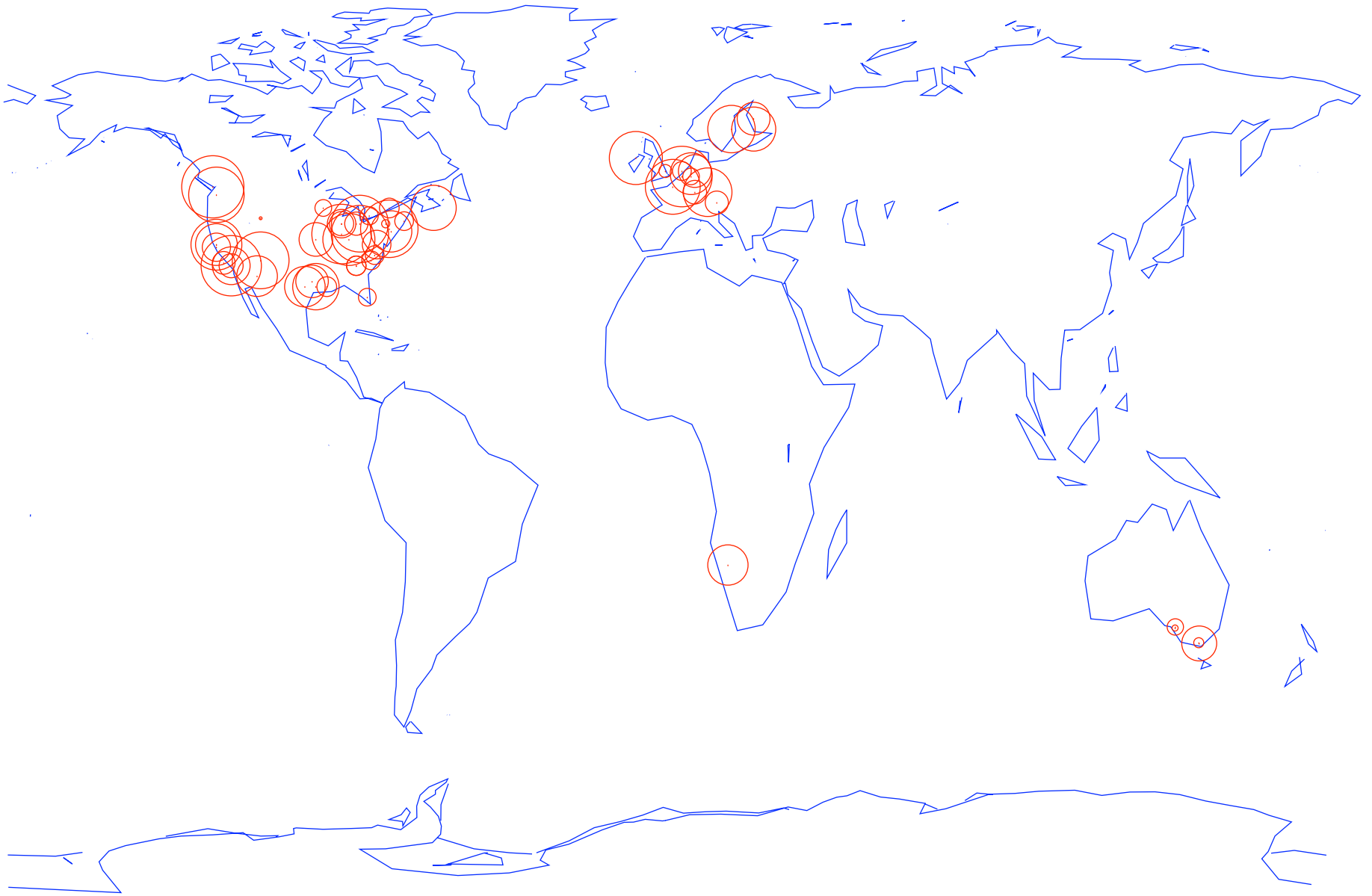


String-valued functions to generate datafile names

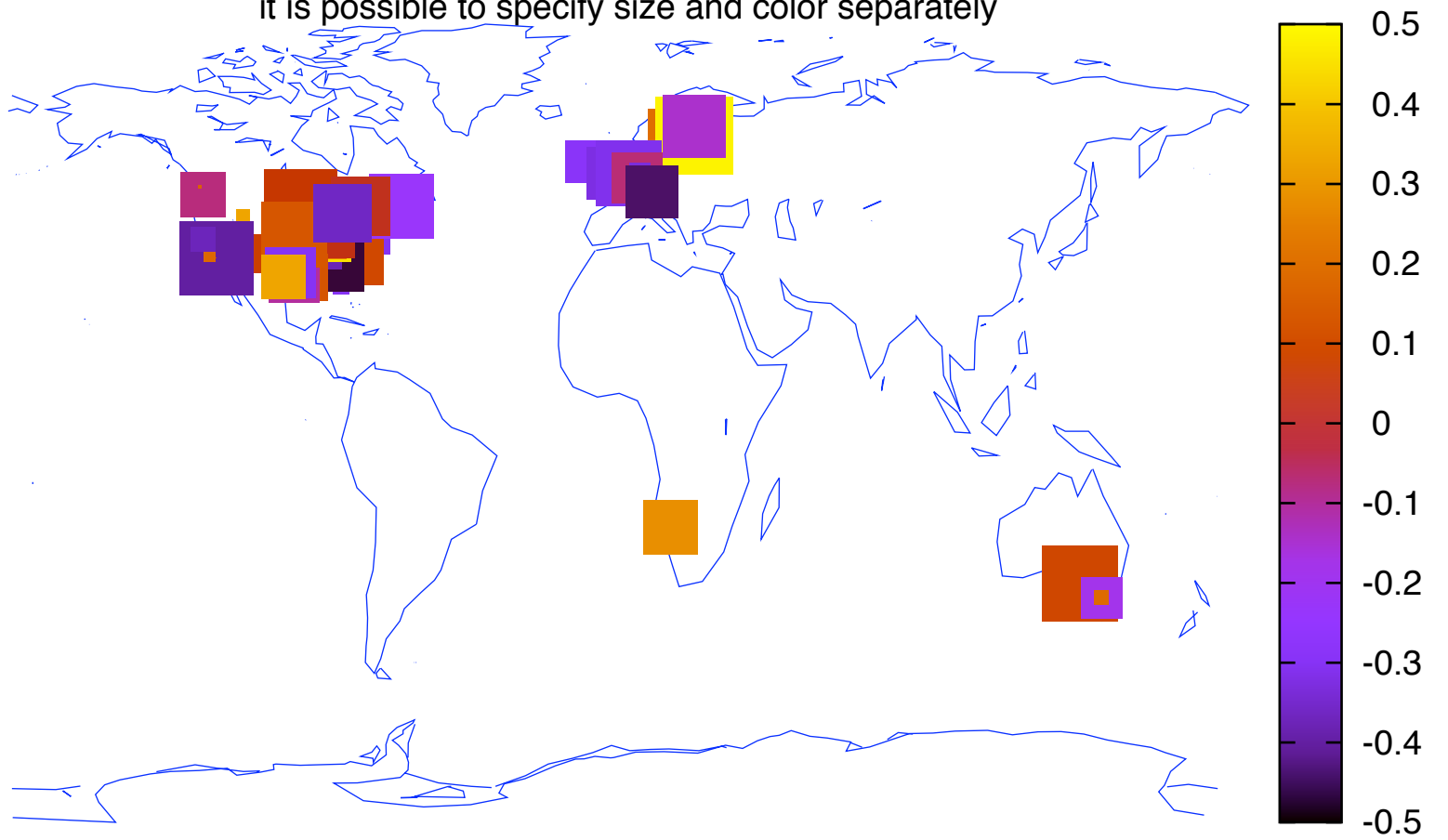




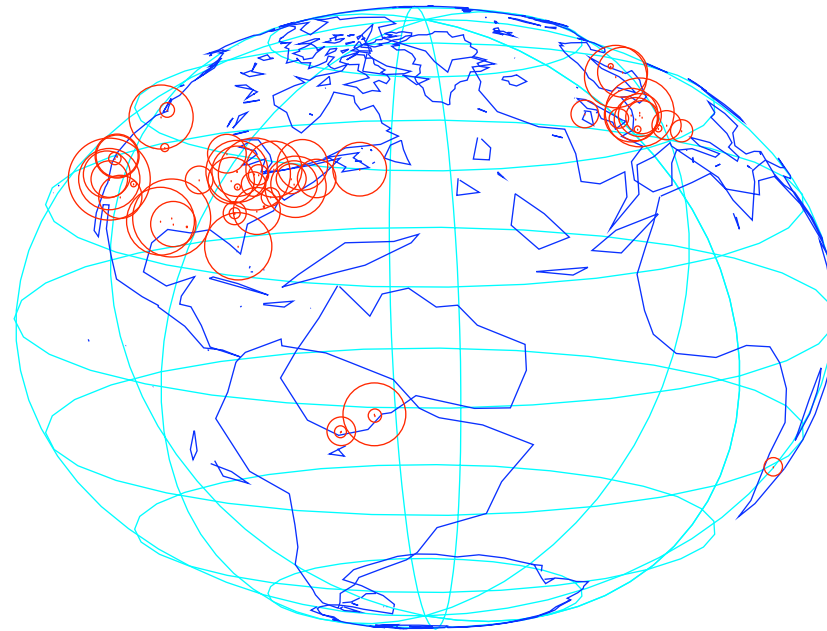
plot with variable size points



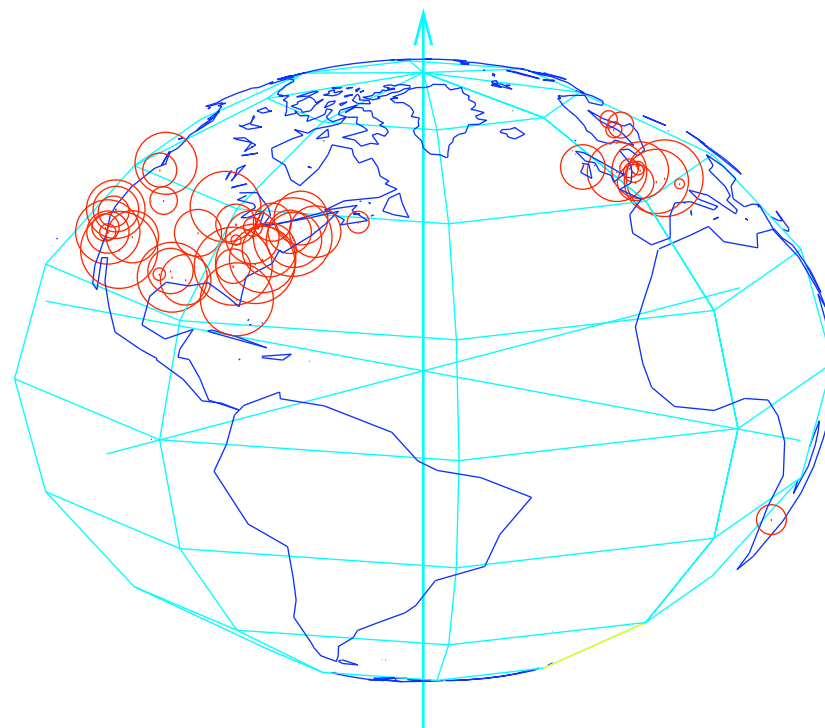
plot with variable size points
it is possible to specify size and color separately



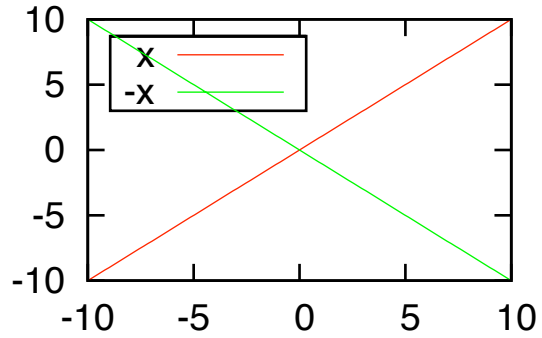
3D version using spherical coordinate system



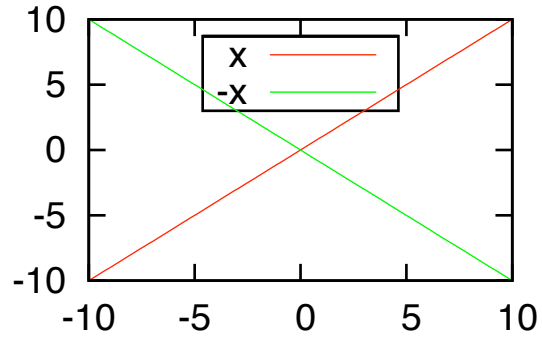
3D solid version through hiddenlining



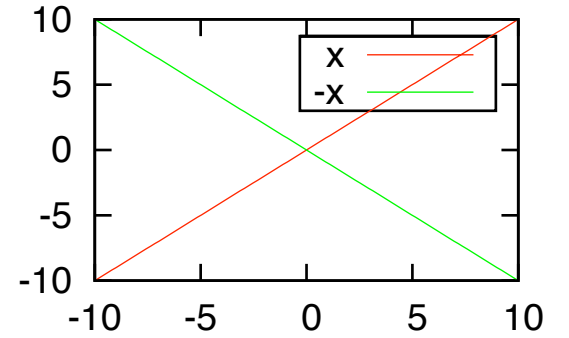
Key (ins vert left top)



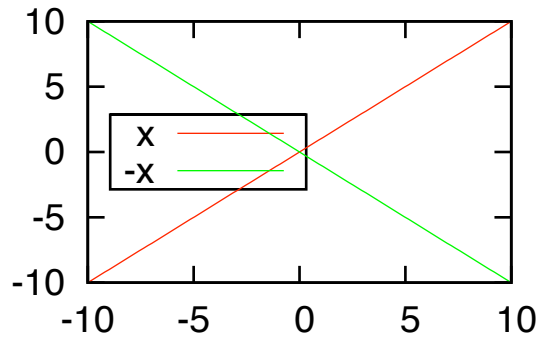
Key (ins vert center top)



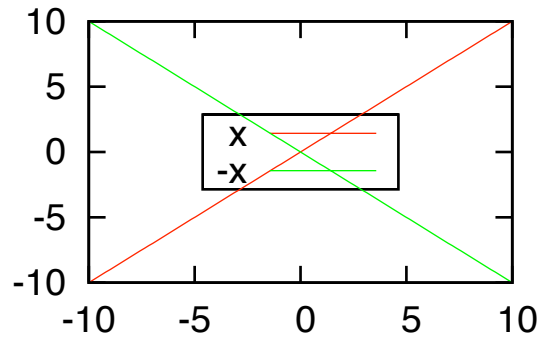
Key (ins vert right top)



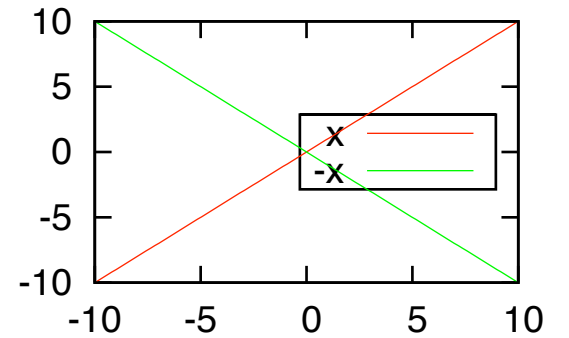
Key (ins vert center left)



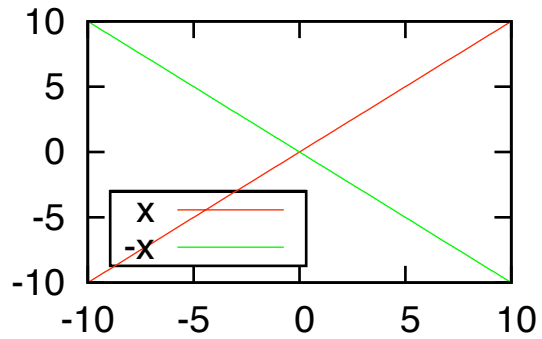
Key (inside vertical center)



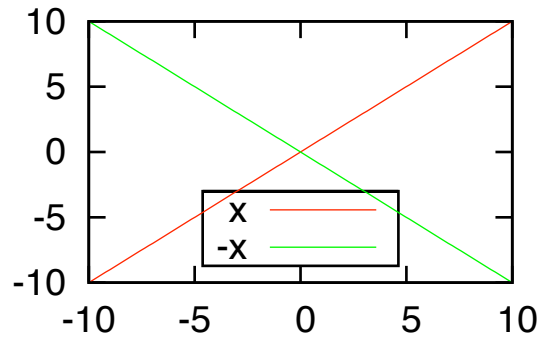
Key (ins vert cent right)



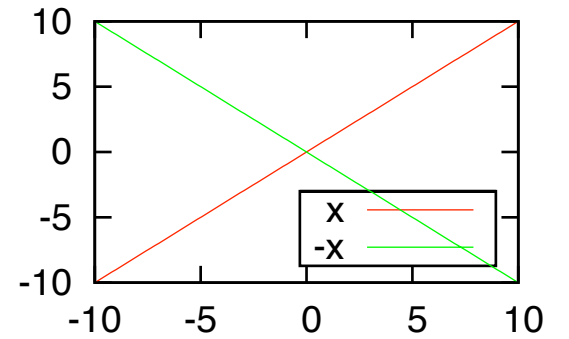
Key (ins vert bot left)



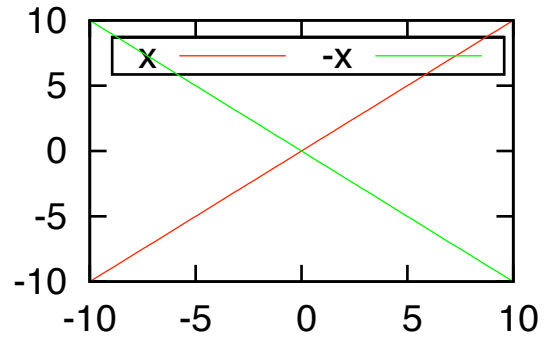
Key (ins vert bot center)



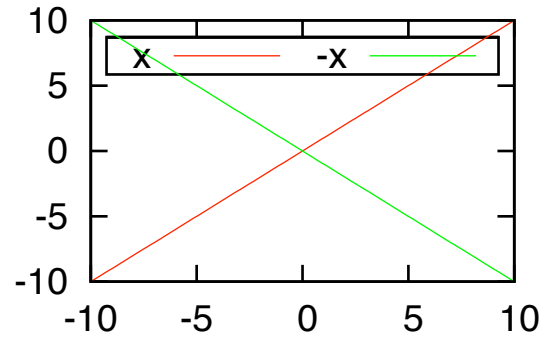
Key (ins vert bot right)



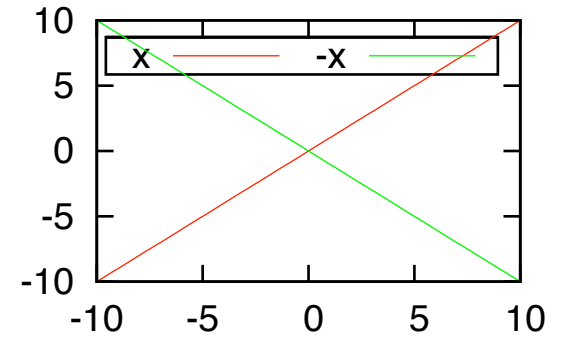
Key (ins horiz left top)



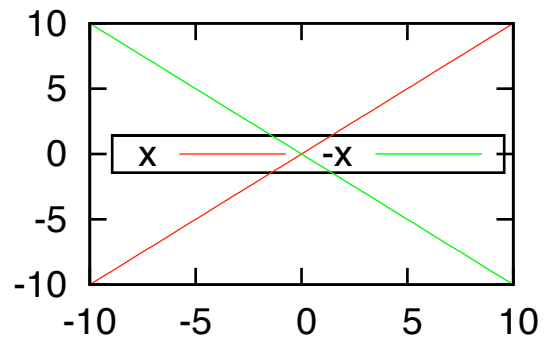
Key (ins horiz center top)



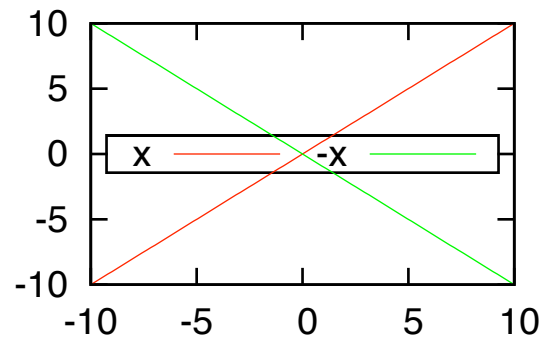
Key (ins horiz right top)



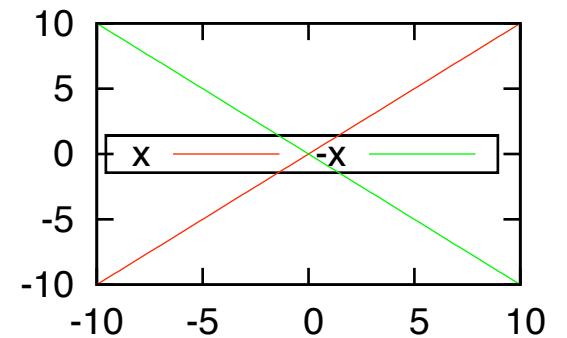
Key (ins horiz center left)



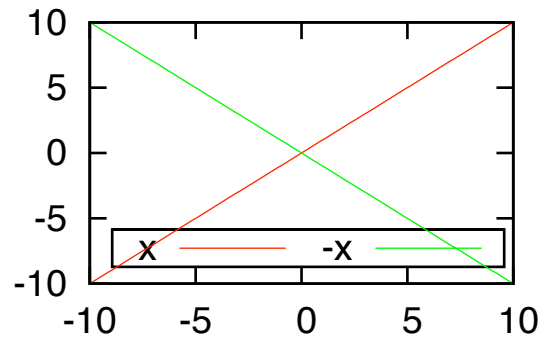
Key (inside horizontal center)



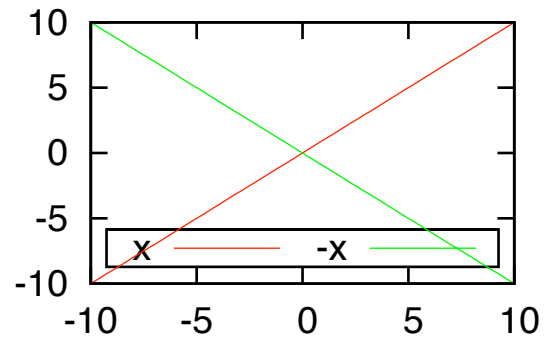
Key (ins horiz cent right)



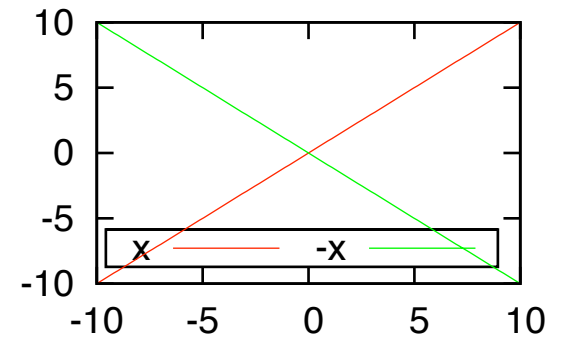
Key (ins horiz bot left)

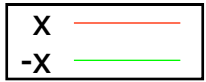


Key (ins horiz bot center)

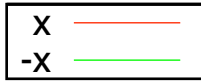
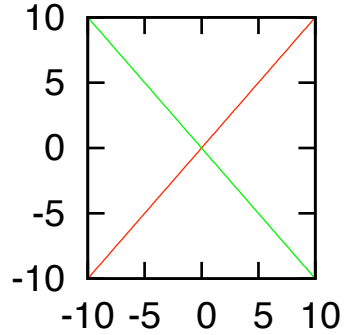


Key (ins horiz bot right)

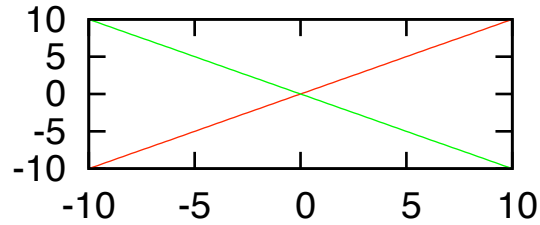




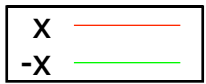
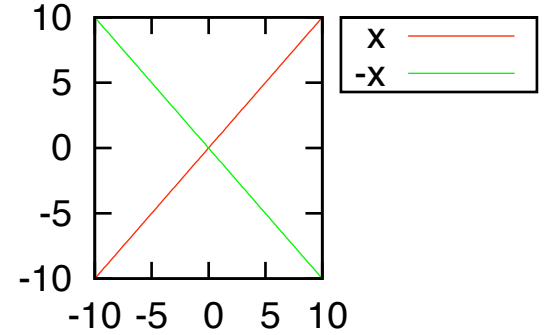
Key (out vert left top)



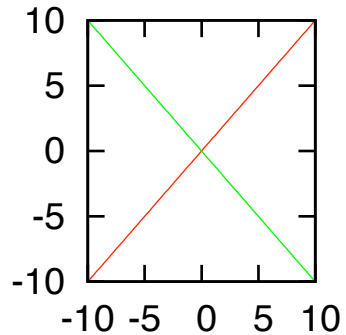
Key (out vert center top)



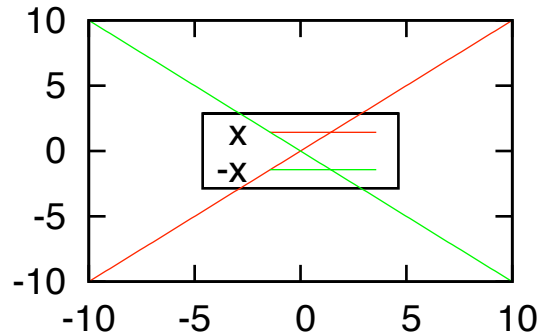
Key (out vert right top)



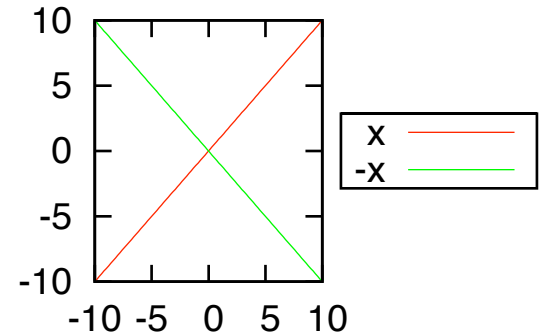
Key (out vert center left)



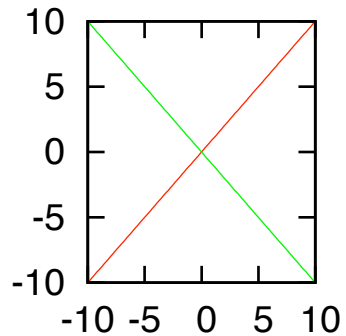
Key (outside vertical center)



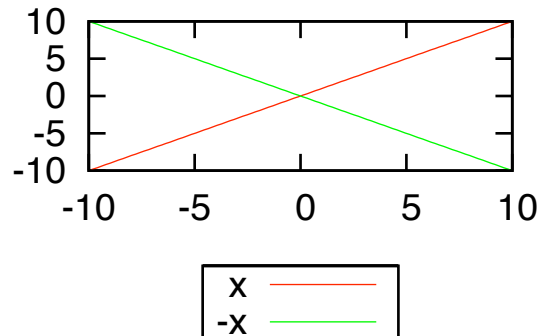
Key (out vert cent right)



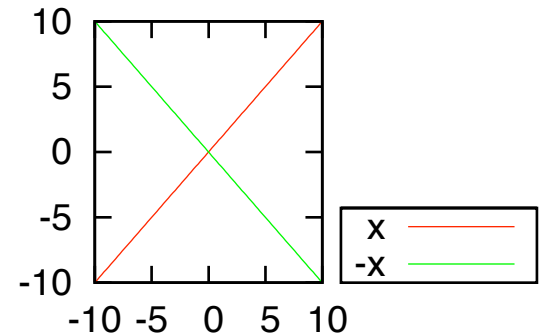
Key (out vert bot left)



Key (out vert bot center)

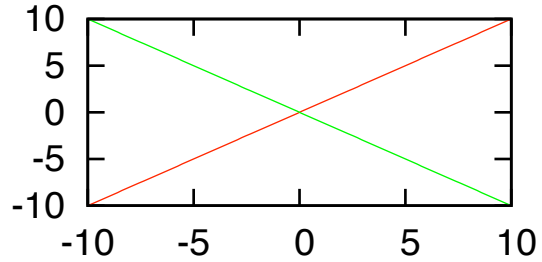


Key (out vert bot right)

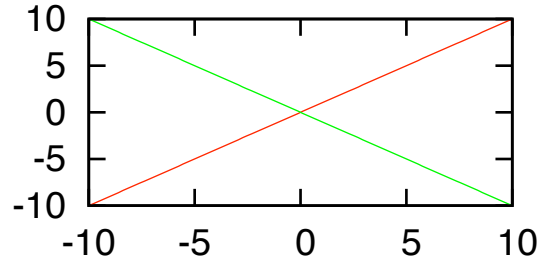




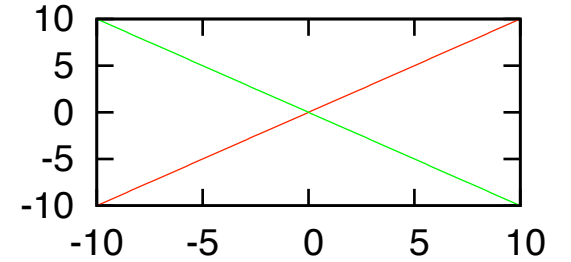
Key (out horiz left top)



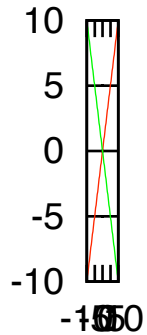
Key (out horiz center top)



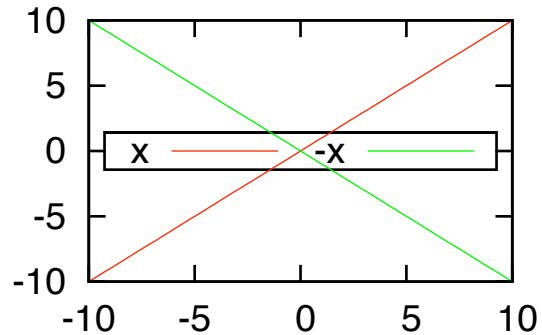
Key (out horiz right top)



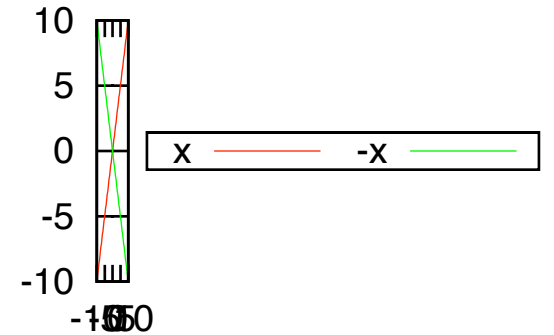
Key (out horiz center left)



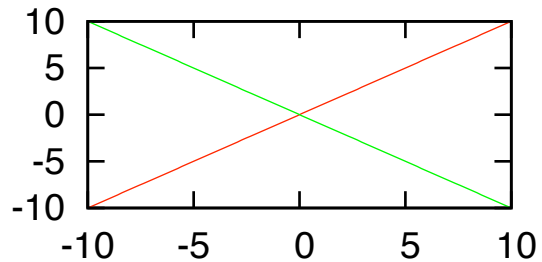
Key (outside horizontal center)



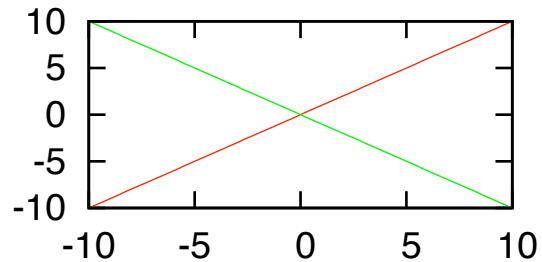
Key (out horiz cent right)



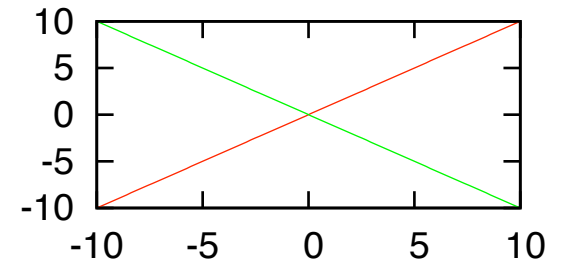
Key (out horiz bot left)



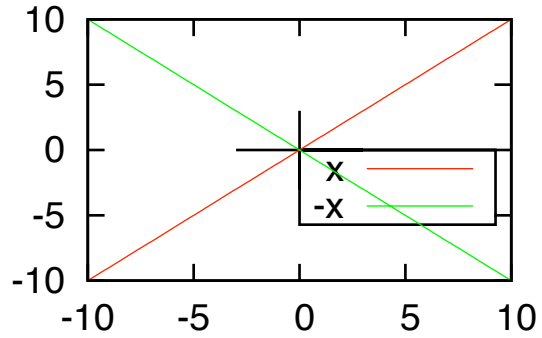
Key (out horiz bot center)



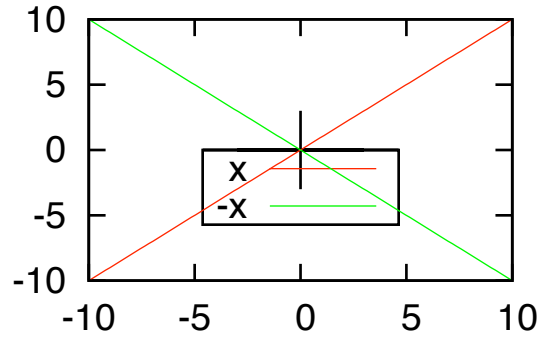
Key (out horiz bot right)



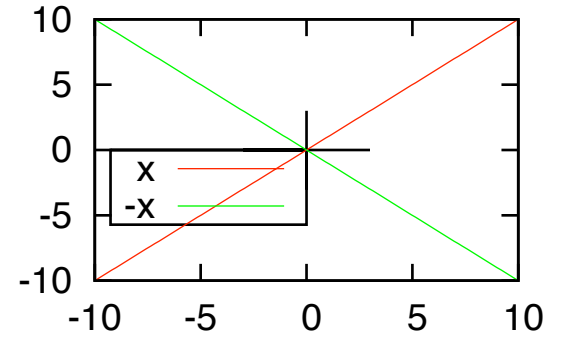
Key (<manual> vert left top)



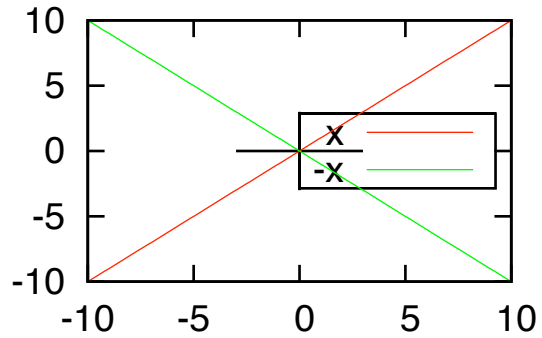
Key (<manual> vert center top)



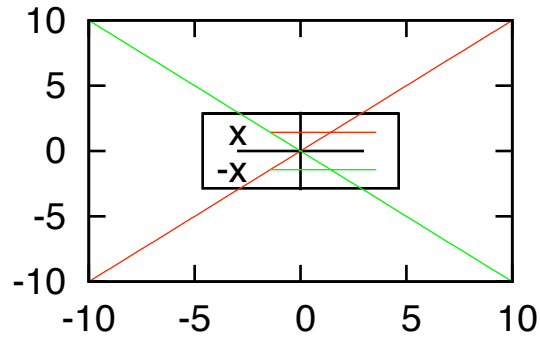
Key (<manual> vert right top)



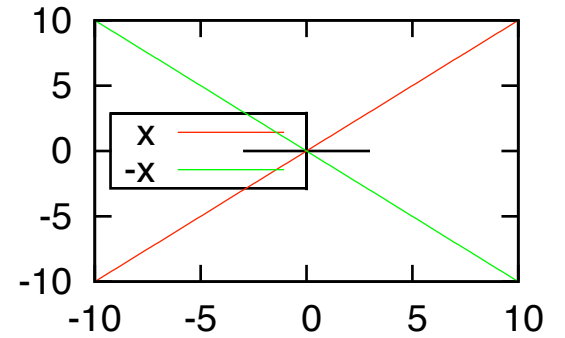
Key (<manual> vert center left)



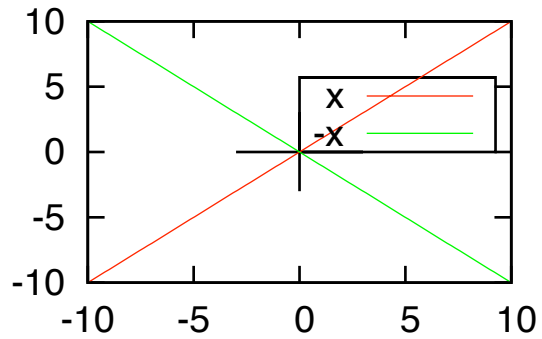
Key (<manual> vertical center)



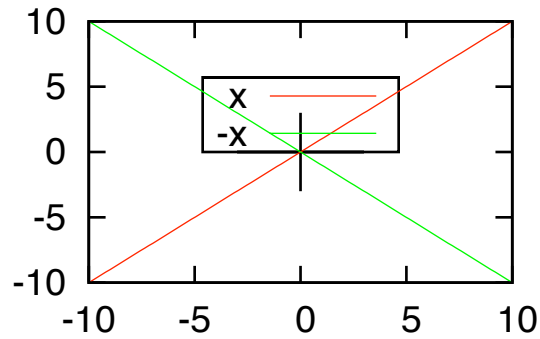
Key (<manual> vert cent right)



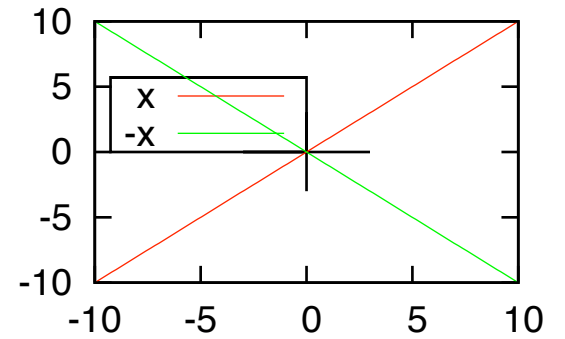
Key (<manual> vert bot left)



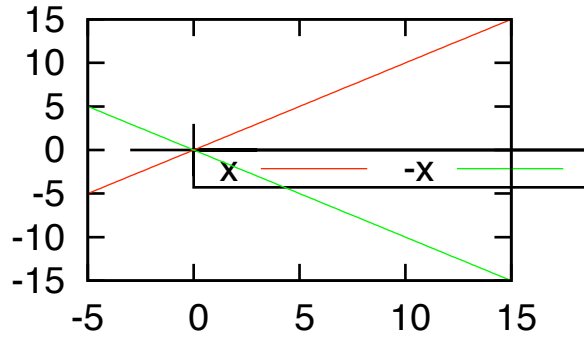
Key (<manual> vert bot center)



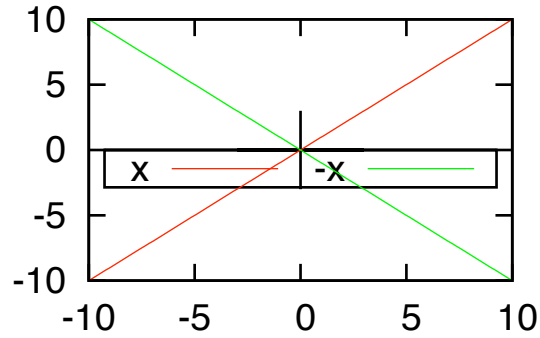
Key (<manual> vert bot right)



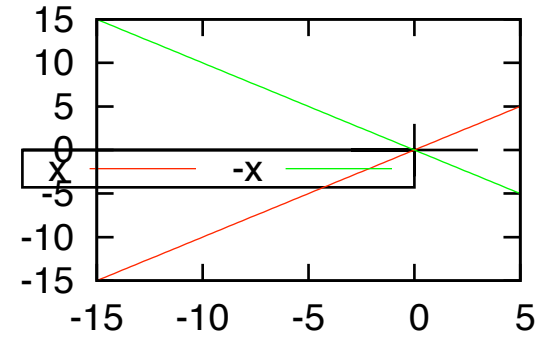
Key (<manual> horiz left top)



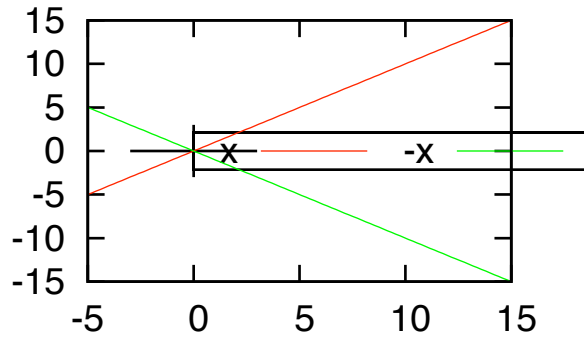
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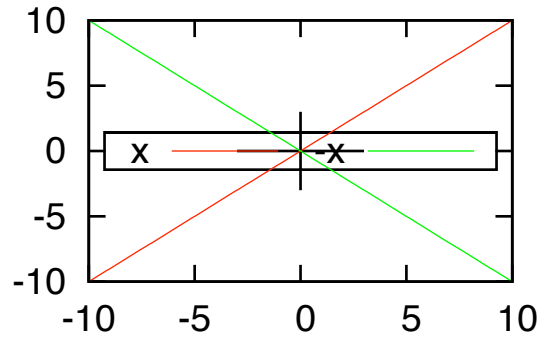
Key (<manual> horiz right top)



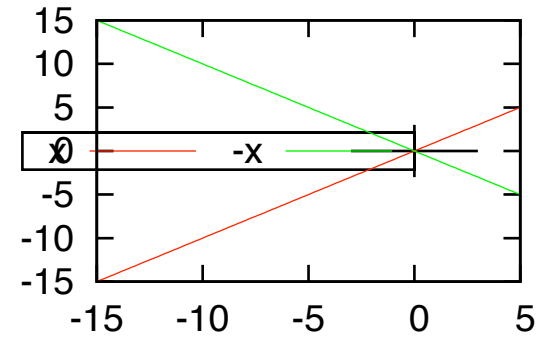
Key (<manual> horiz center left)



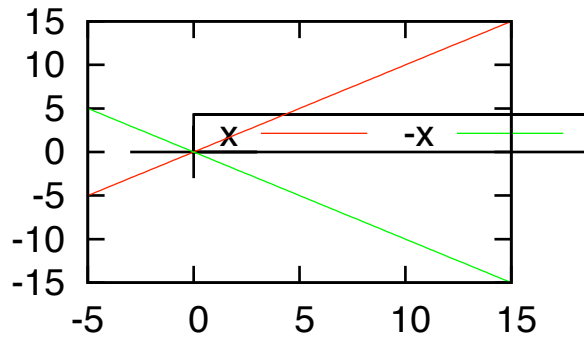
Key (<manual> horizontal center)



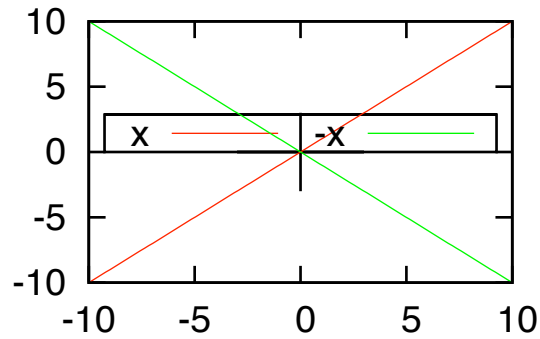
Key (<manual> horiz cent right)



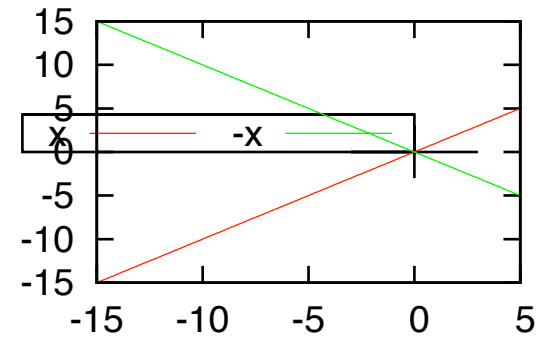
Key (<manual> horiz bot left)



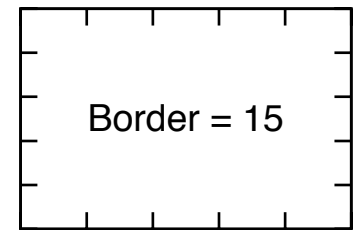
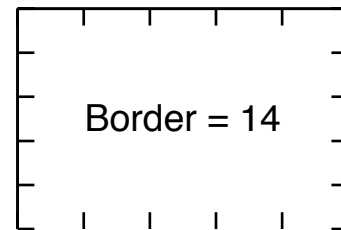
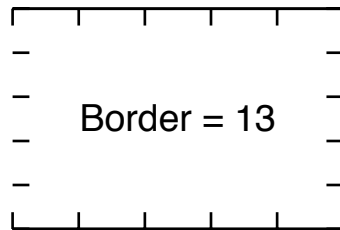
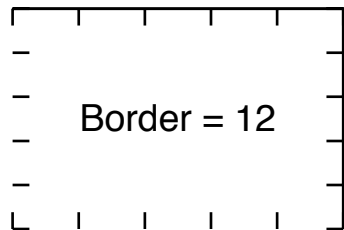
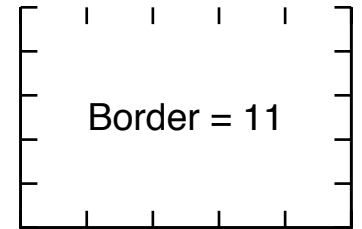
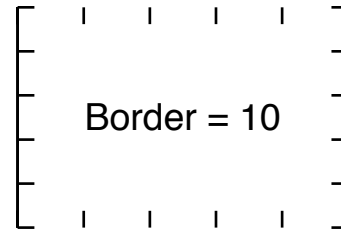
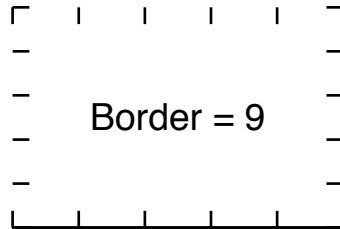
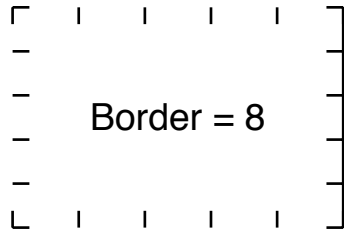
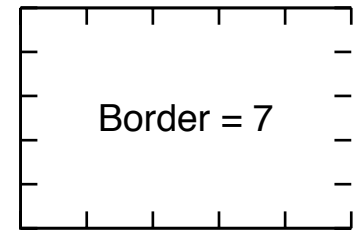
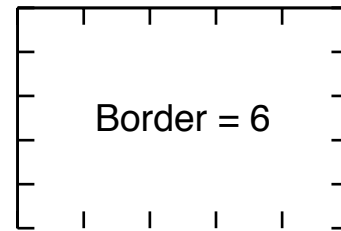
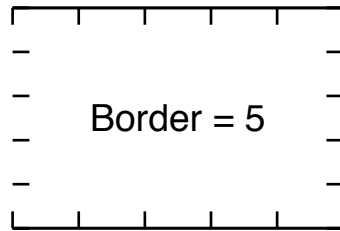
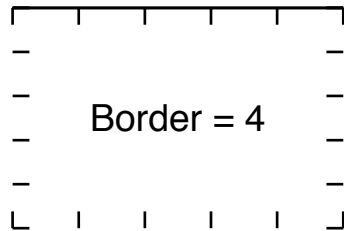
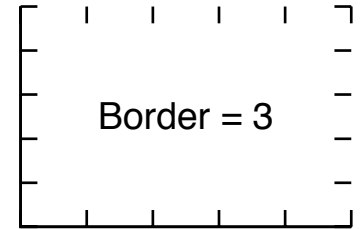
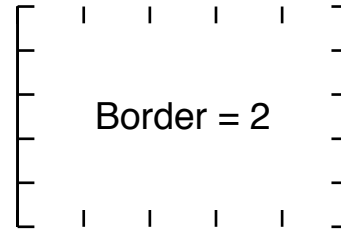
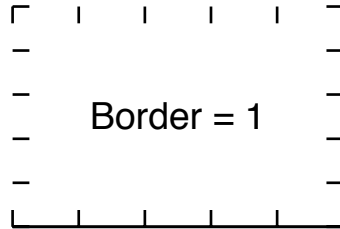
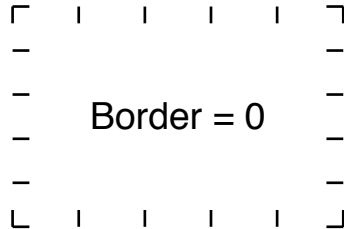
Key (<manual> horiz bot center)

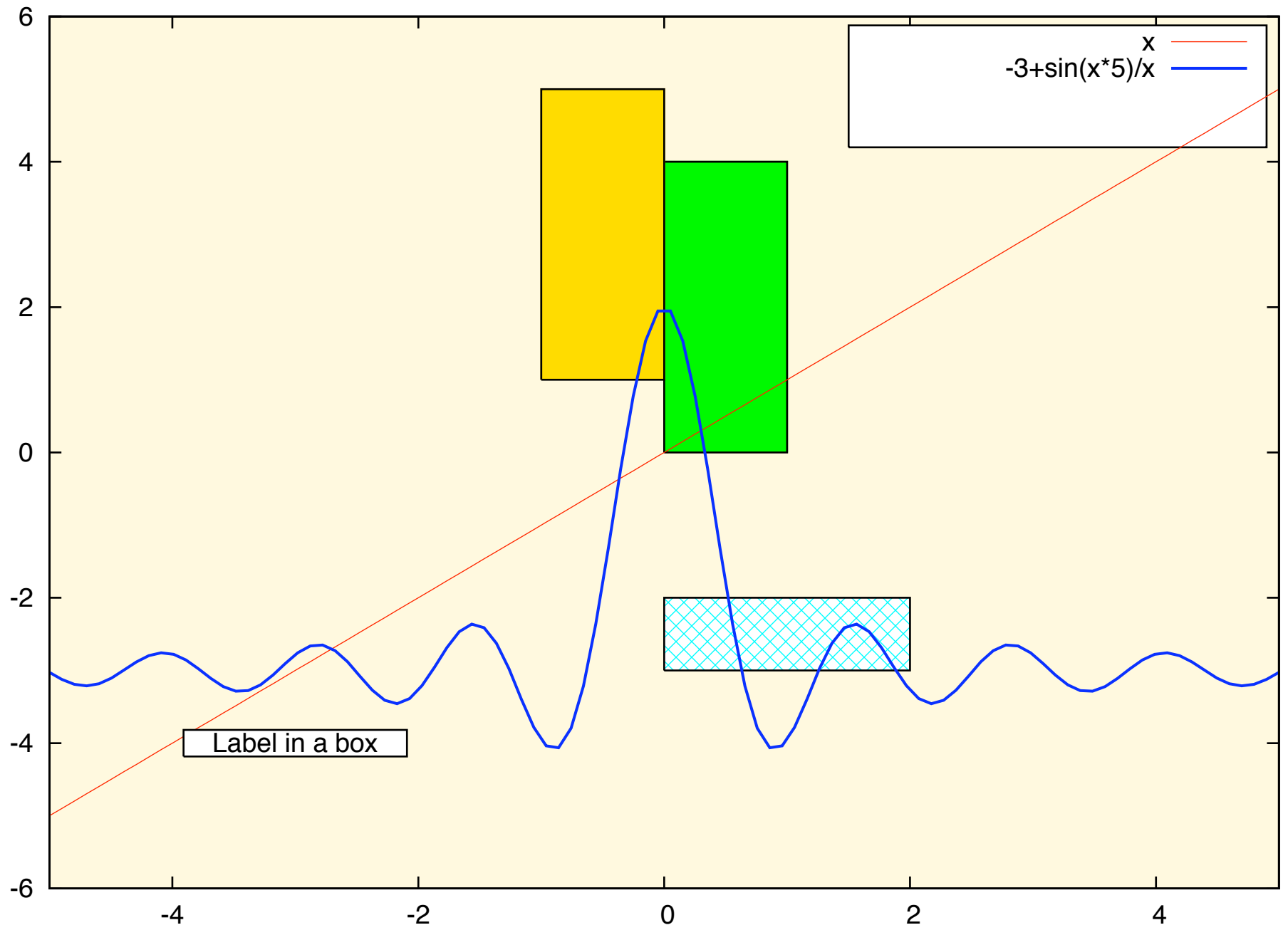


Key (<manual> horiz bot right)

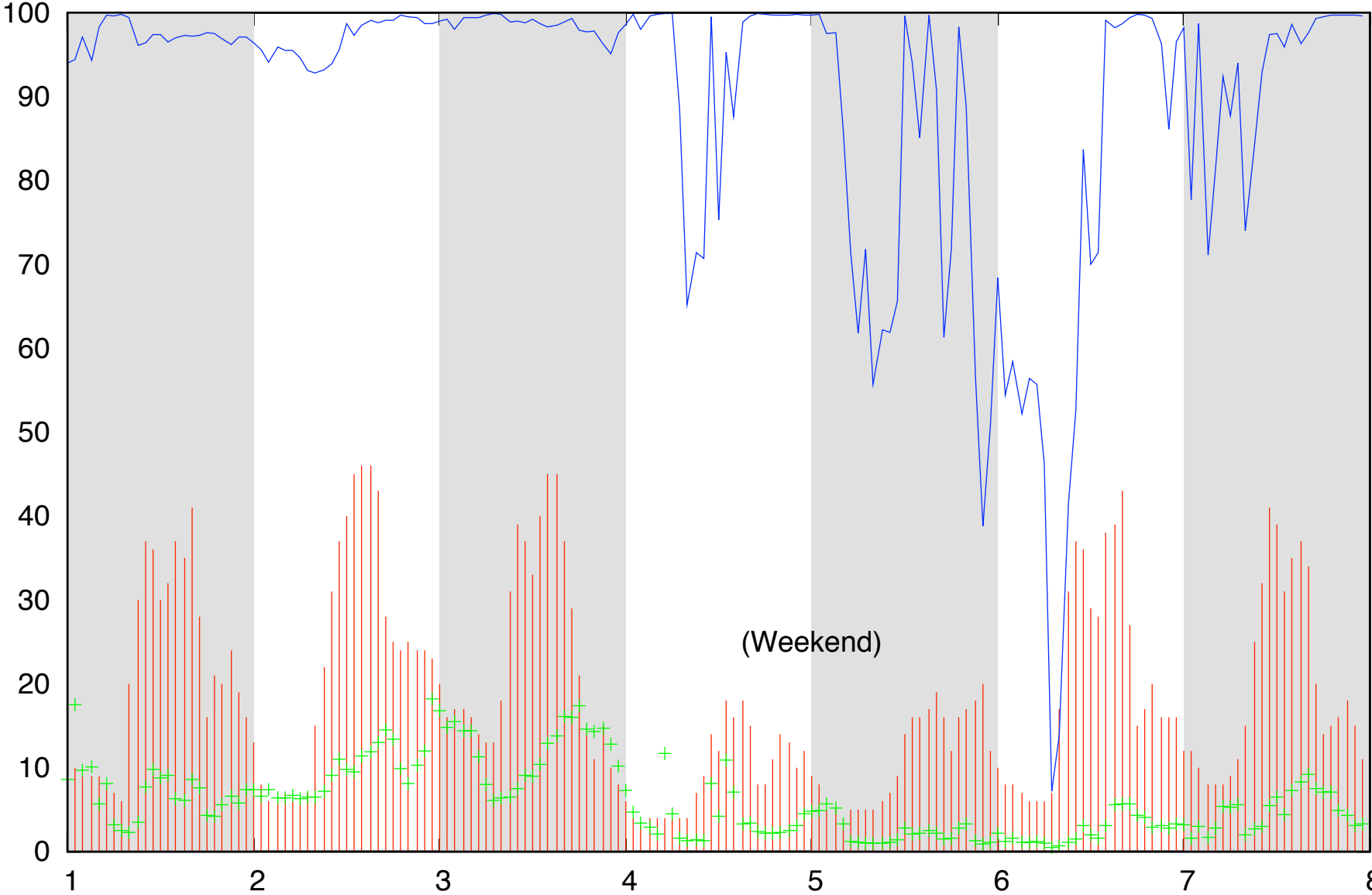


Demonstration of different border settings
and also of a reread loop





Convex November 1-7 1989



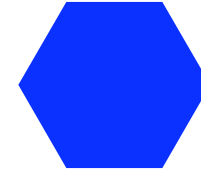
(Weekend)

Logged in — Load average + %CPU used —

Terminal Test

show ticscale

(color) filled polygon:



- 1 ———
- 0
- 1 ——— +
- 2 ——— ×
- 3 ——— *
- 4 ——— □
- 5 ——— ■
- 6 ——— ○
- 7 ——— ●
- 8 ——— ▲
- 9 ——— △
- 10 ——— ▽
- 11 ——— ▼
- 12 ——— ◆
- 13 ——— ◇
- 14 ——— ◊
- 15 ——— ⬠
- 16 ——— ⊙
- 17 ——— ⊗
- 18 ——— ⊖
- 19 ——— ⊕
- 20 ——— ⊗
- 21 ——— ⊙
- 22 ——— ⊖
- 23 ——— ⊕
- 24 ——— ⊗
- 25 ——— ⊙
- 26 ——— ⊖
- 27 ——— ⊕
- 28 ——— ⊗
- 29 ——— ⊙
- 30 ——— ⊖
- 31 ——— ⊕
- 32 ——— ⊗

rotated ce+ntred text

rotated by +45 deg

rotated by -45 deg

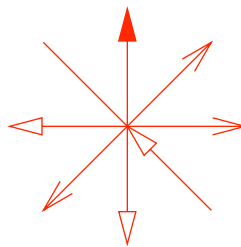
left justified
centre+d text
right justified

test of character width:

12345678901234567890

linewidth

- lw 6
- lw 5
- lw 4
- lw 3
- lw 2
- lw 1



pattern fill

