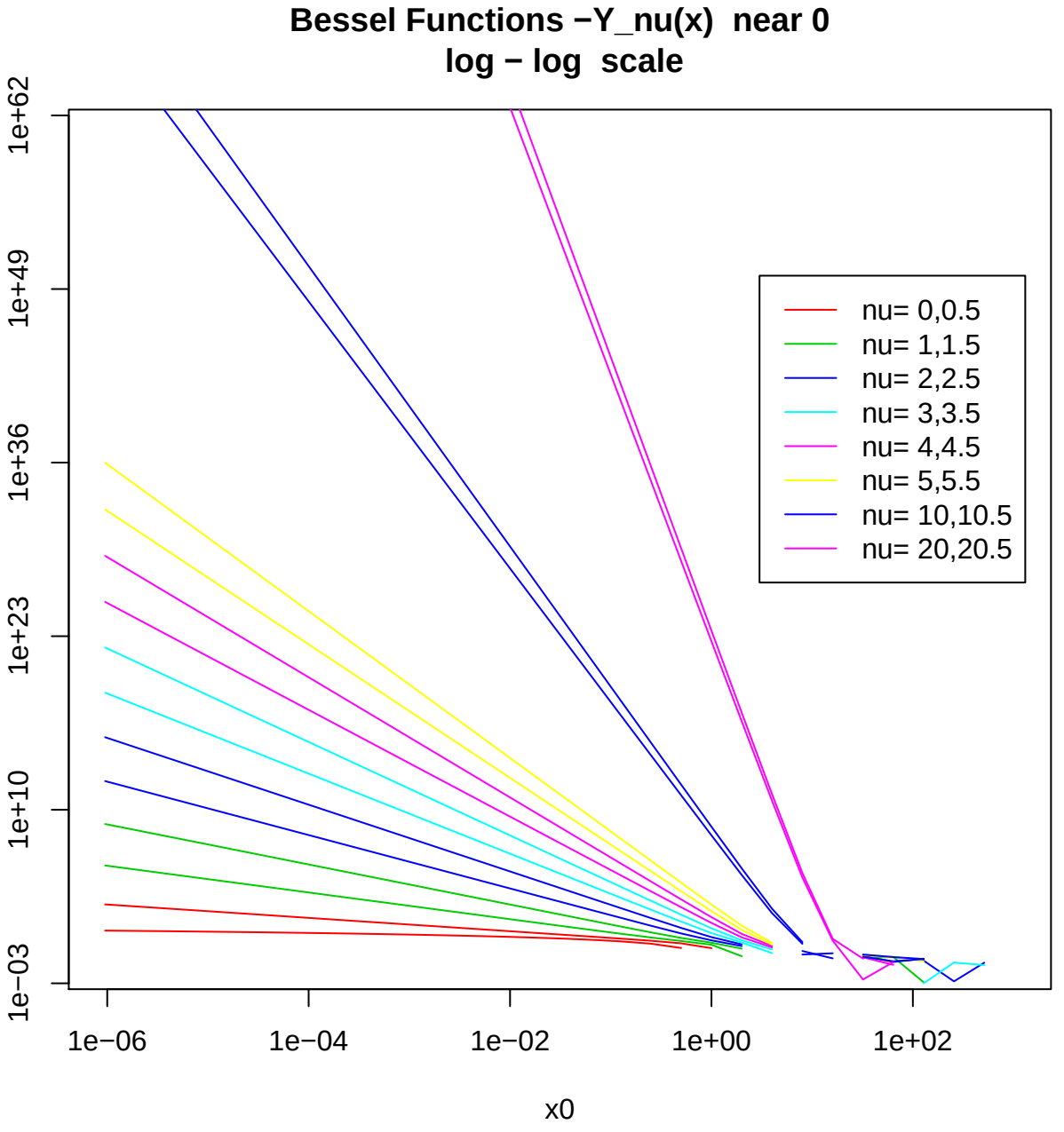
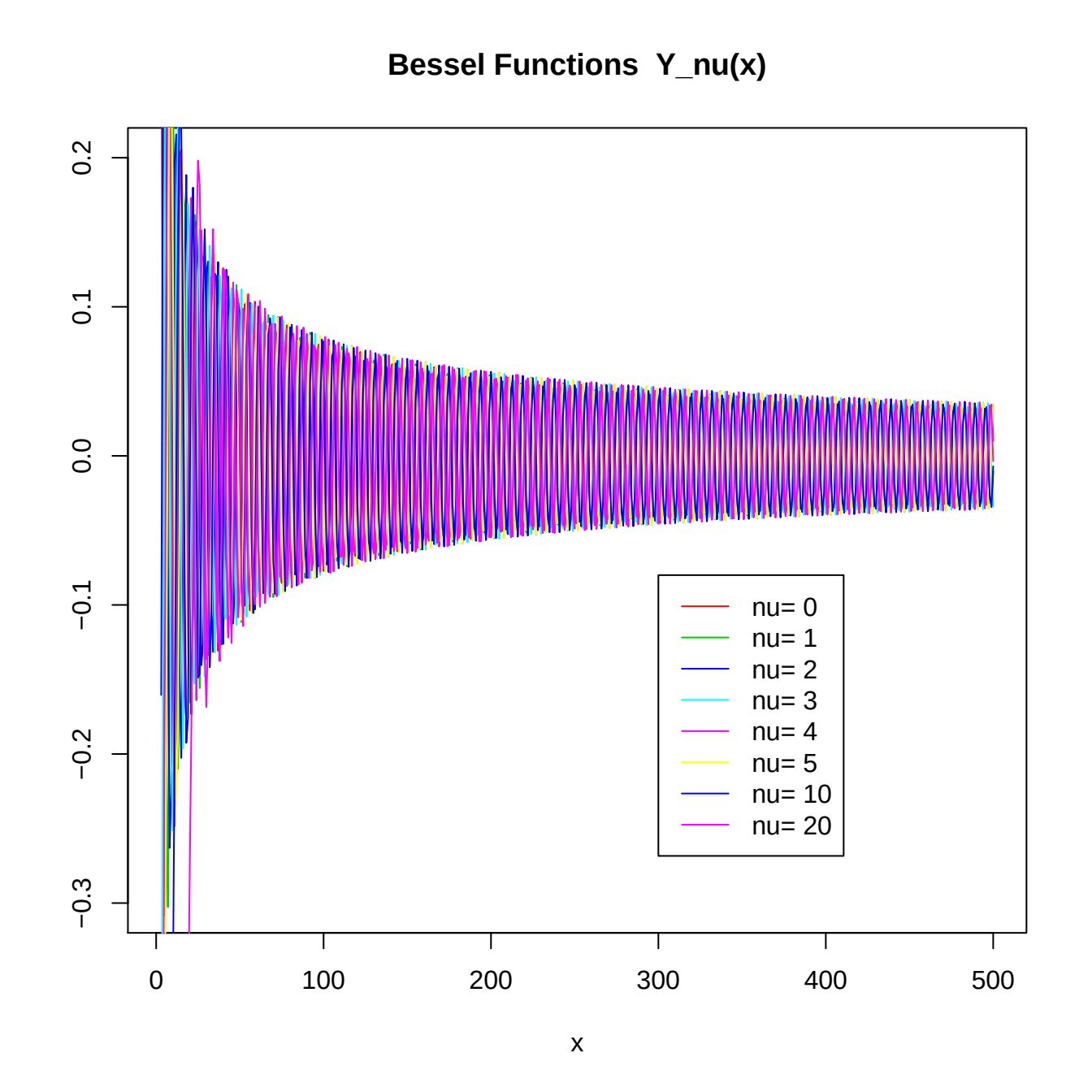
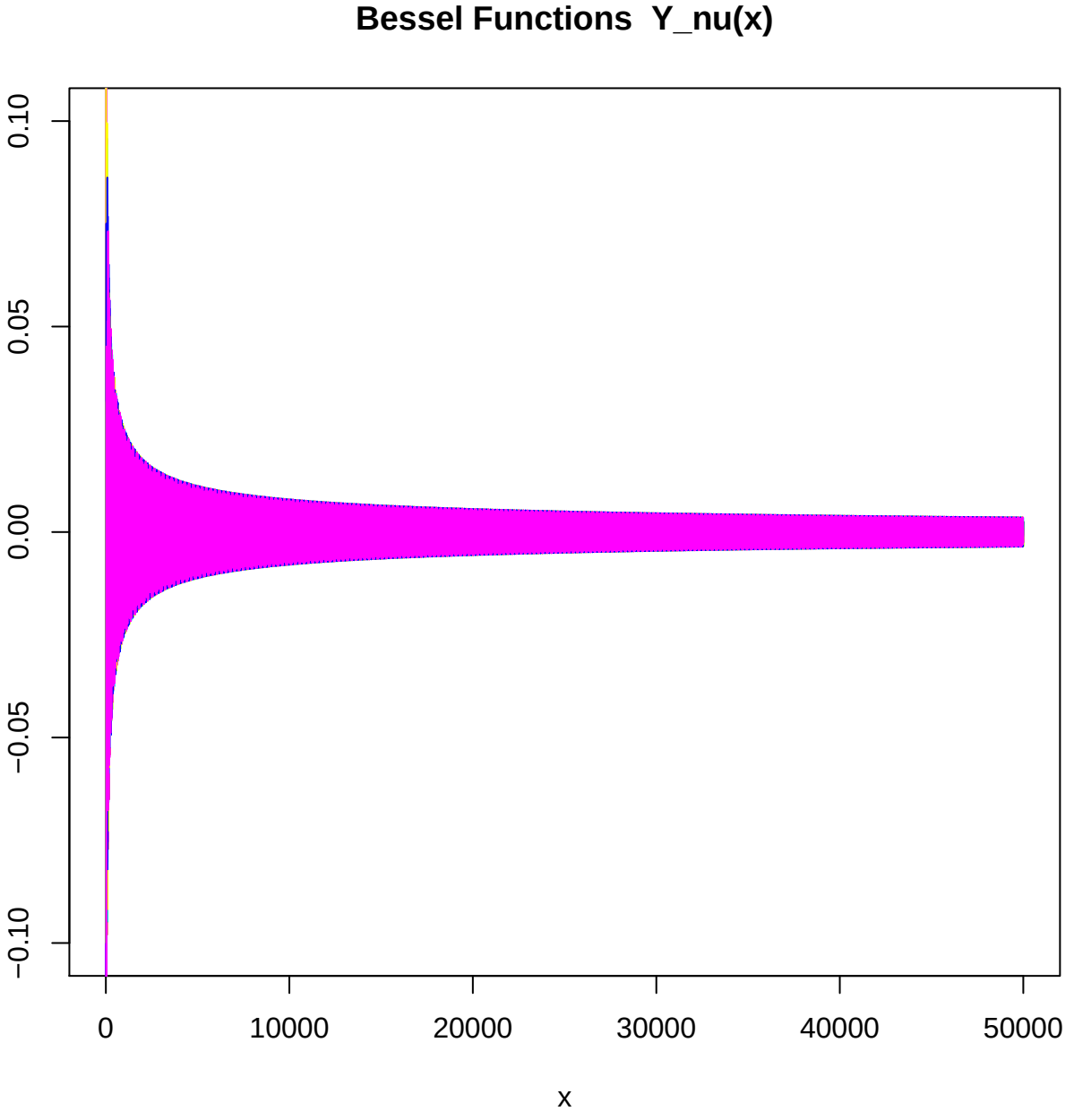
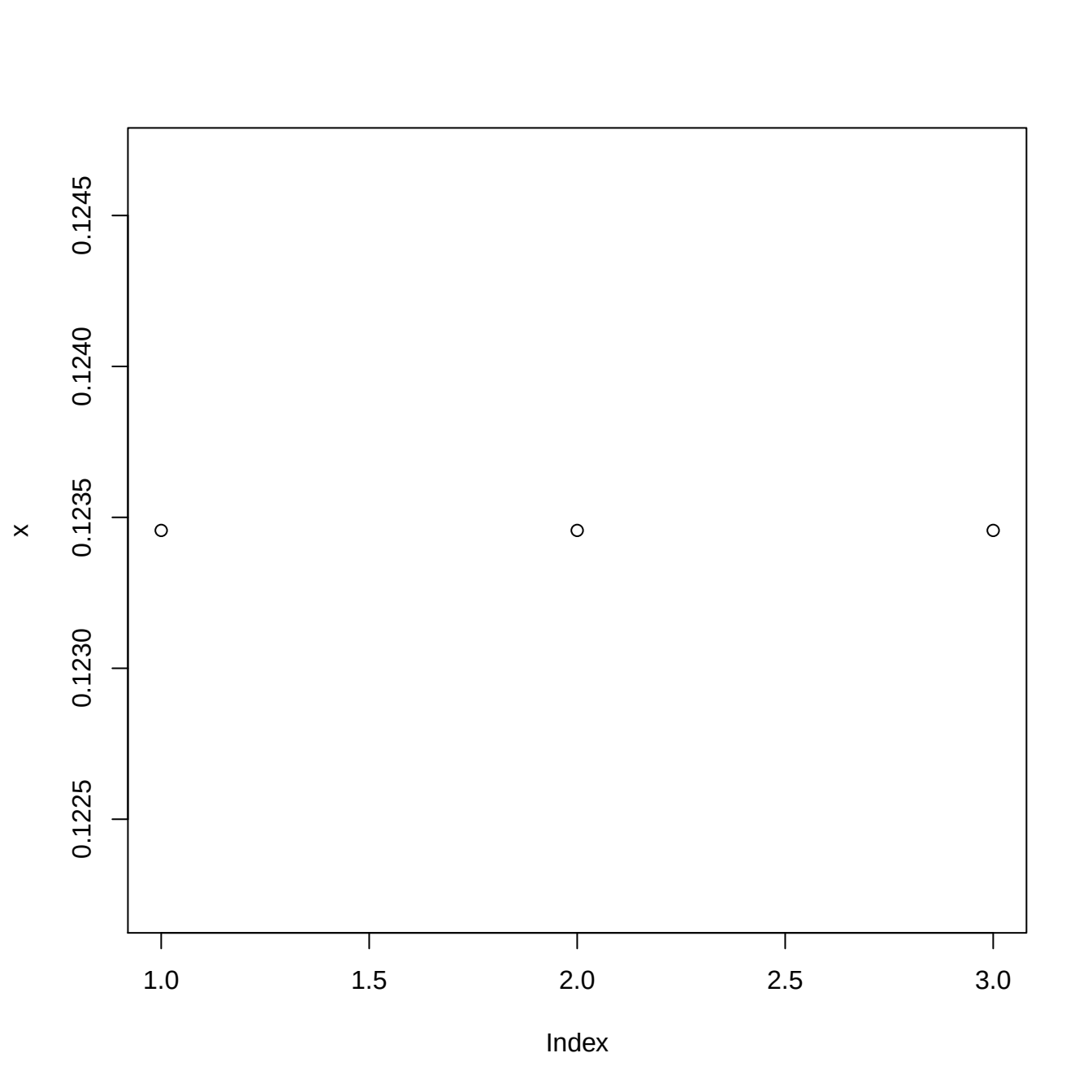
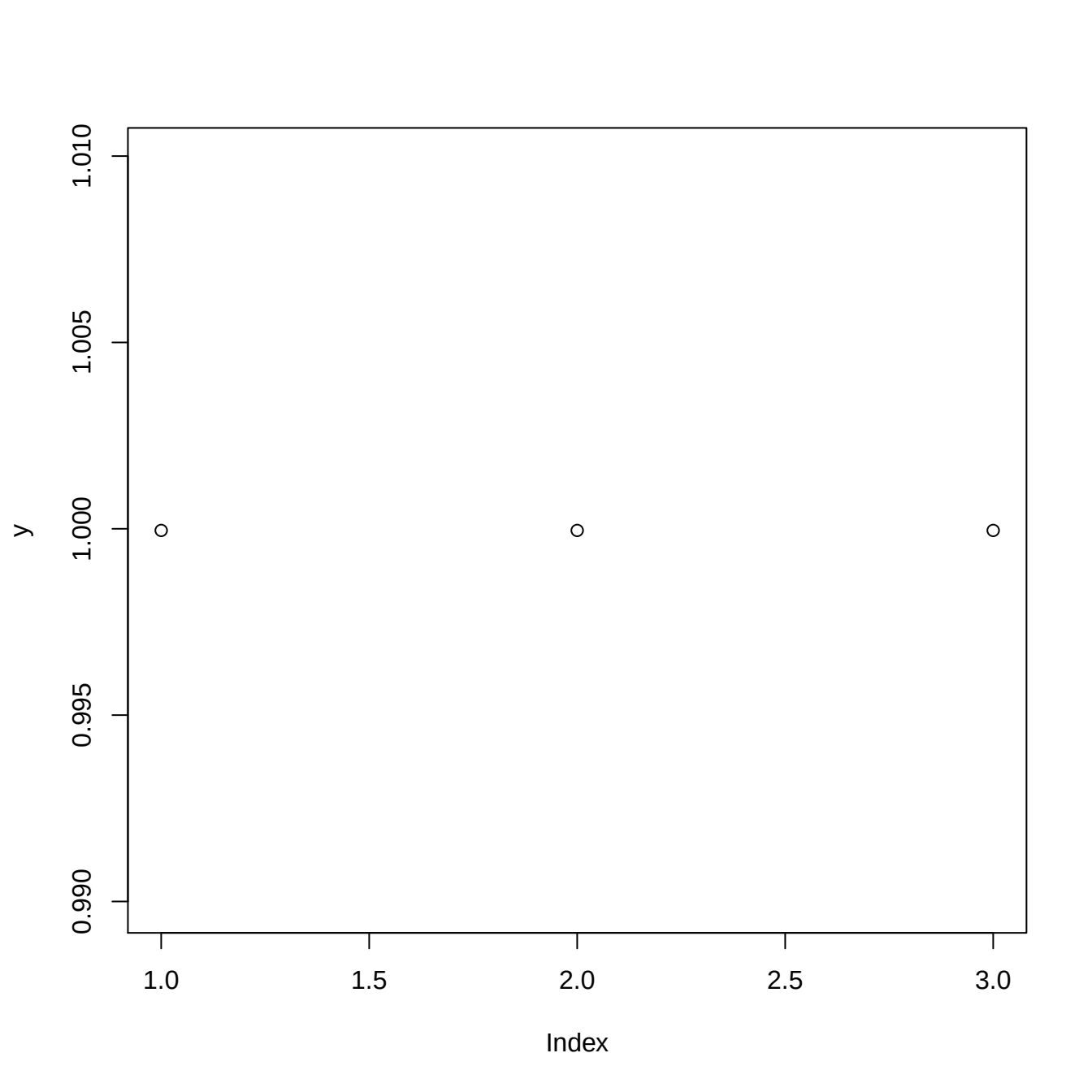
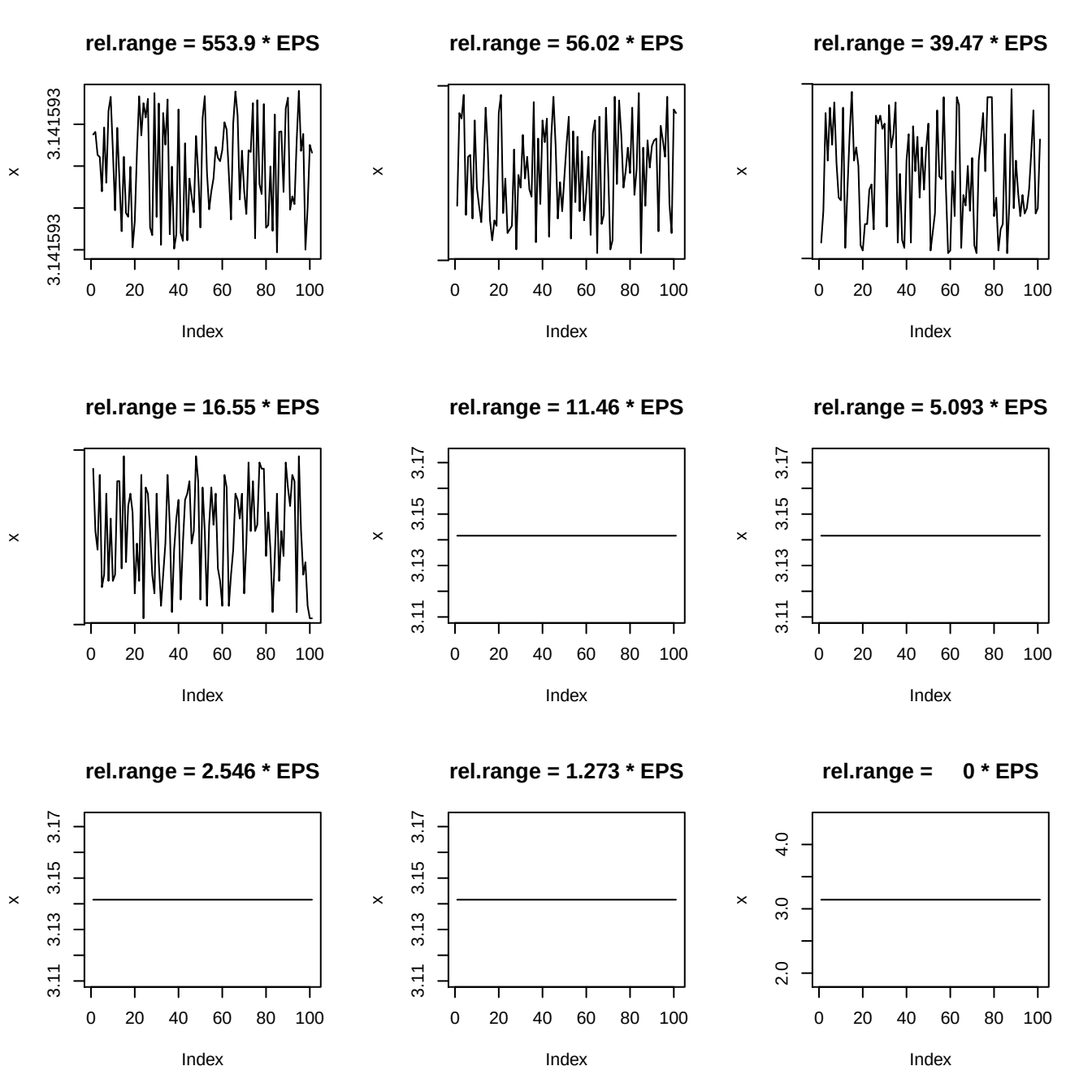

Bessel Functions −Y_nu(x) near 0
log − log scale
1e+62
1e+49
1e+36
1e+23
1e+10
1e−03
1e−06
1e−04
1e−02
1e+00
1e+02
x0
nu= 0,0.5
nu= 1,1.5
nu= 2,2.5
nu= 3,3.5
nu= 4,4.5
nu= 5,5.5
nu= 10,10.5
nu= 20,20.5

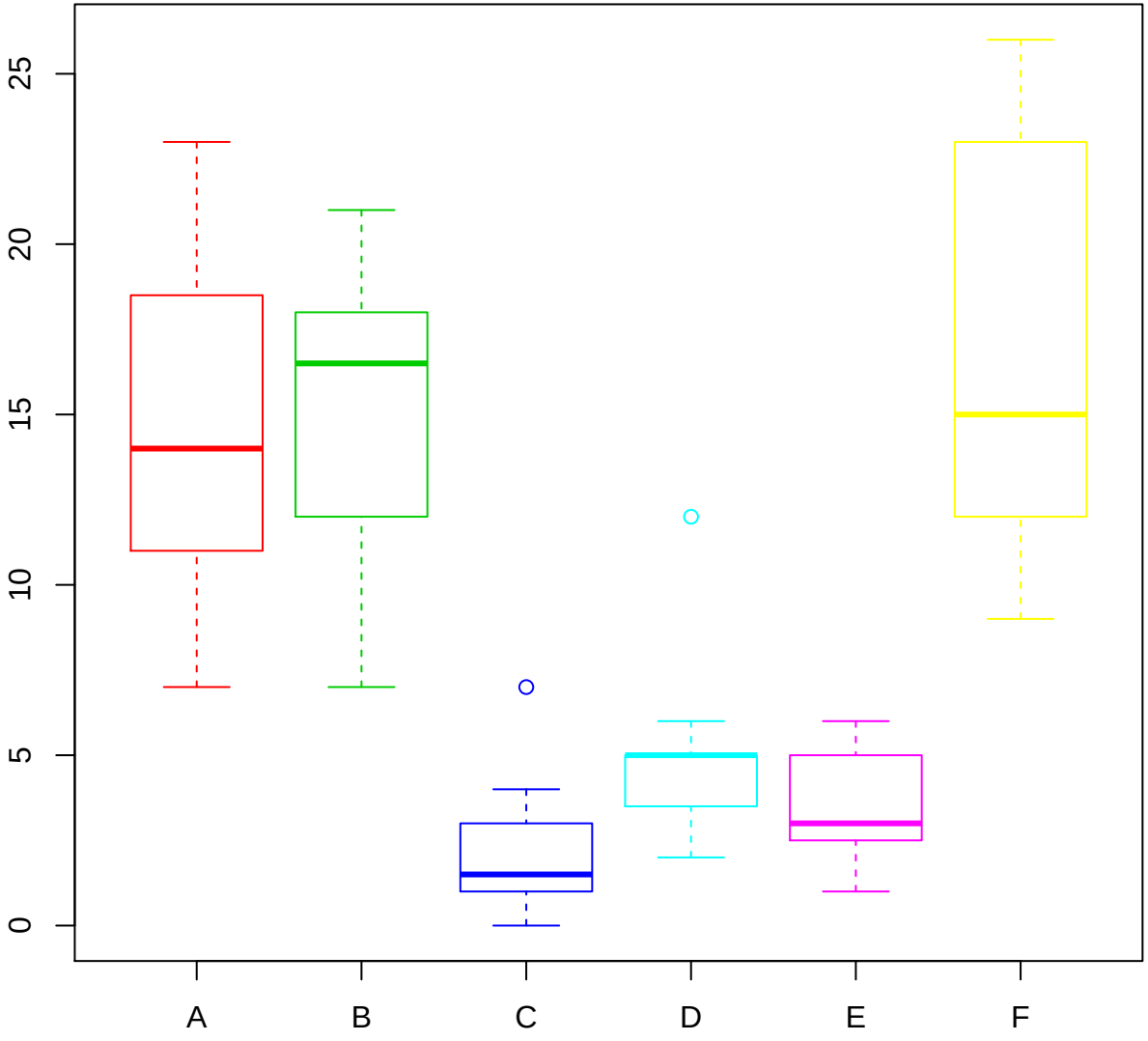

Bessel Functions Y_nu(x)
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400
500
x
nu= 0
nu= 1
nu= 2
nu= 3
nu= 4
nu= 5
nu= 10
nu= 20

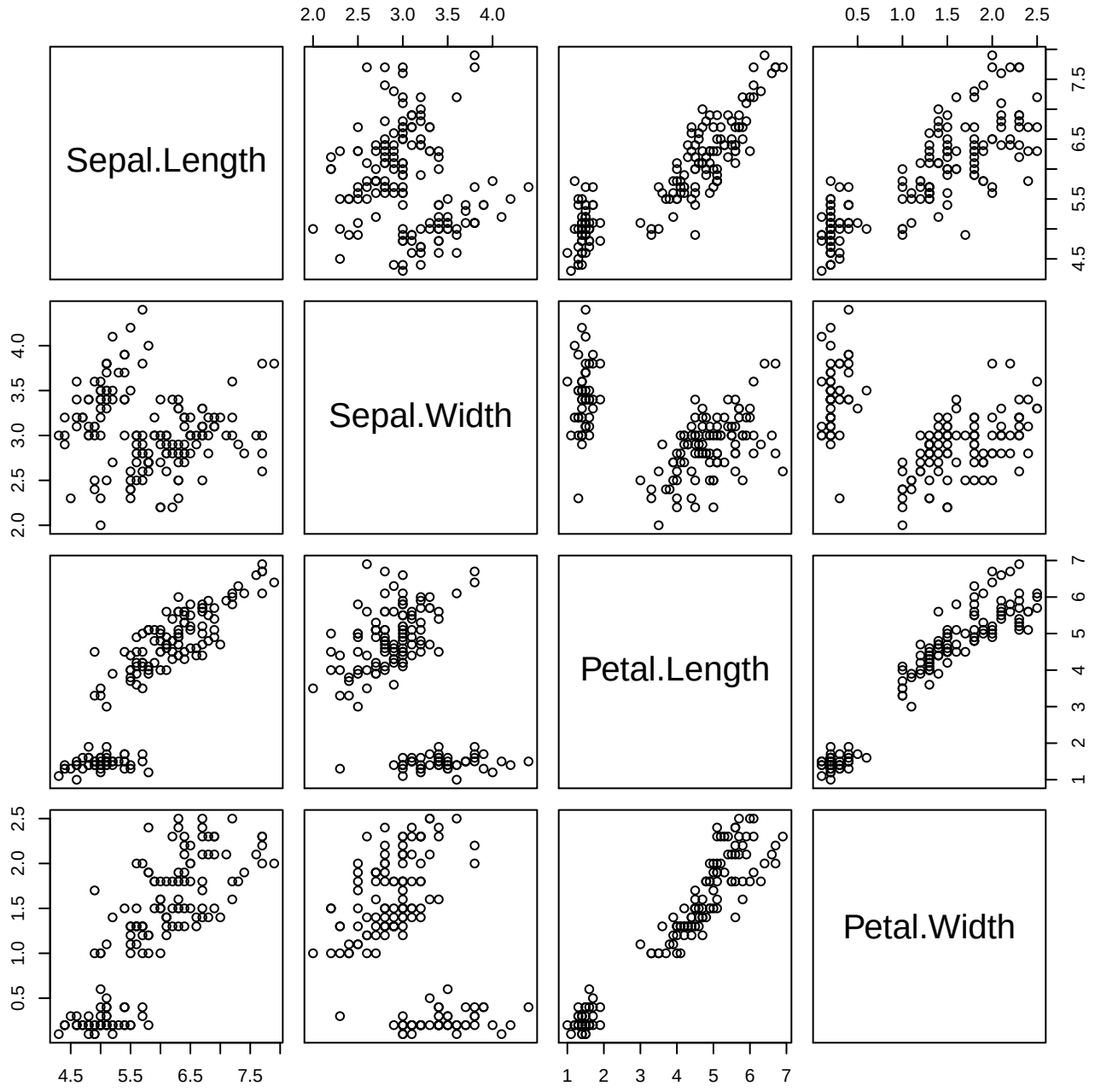

Bessel Functions Y_nu(x)
0.10
0.05
0.00
−0.05
−0.10
0
10000
20000
30000
40000
50000
x


x
0.1225
0.1230
0.1235
0.1240
0.1245
1.0
1.5
2.0
2.5
3.0
Index


y
1.010
1.005
1.000
0.995
0.990
1.0
1.5
2.0
2.5
3.0
Index


rel.range = 553.9 * EPS
rel.range = 56.02 * EPS
rel.range = 39.47 * EPS
rel.range = 16.55 * EPS
rel.range = 11.46 * EPS
rel.range = 5.093 * EPS
rel.range = 2.546 * EPS
rel.range = 1.273 * EPS
rel.range = 0 * EPS
x
Index
3.141593
3.11
3.13
3.15
3.17
2.0
3.0
4.0
0
20
40
60
80
100


0
5
10
15
20
25
A
B
C
D
E
F


Sepal.Length
Sepal.Width
Petal.Length
Petal.Width
2.0 2.5 3.0 3.5 4.0
0.5 1.0 1.5 2.0 2.5
4.5 5.5 6.5 7.5
2.0 2.5 3.0 3.5 4.0
1 2 3 4 5 6 7
0.5 1.0 1.5 2.0 2.5
4.5 5.5 6.5 7.5
1 2 3 4 5 6 7