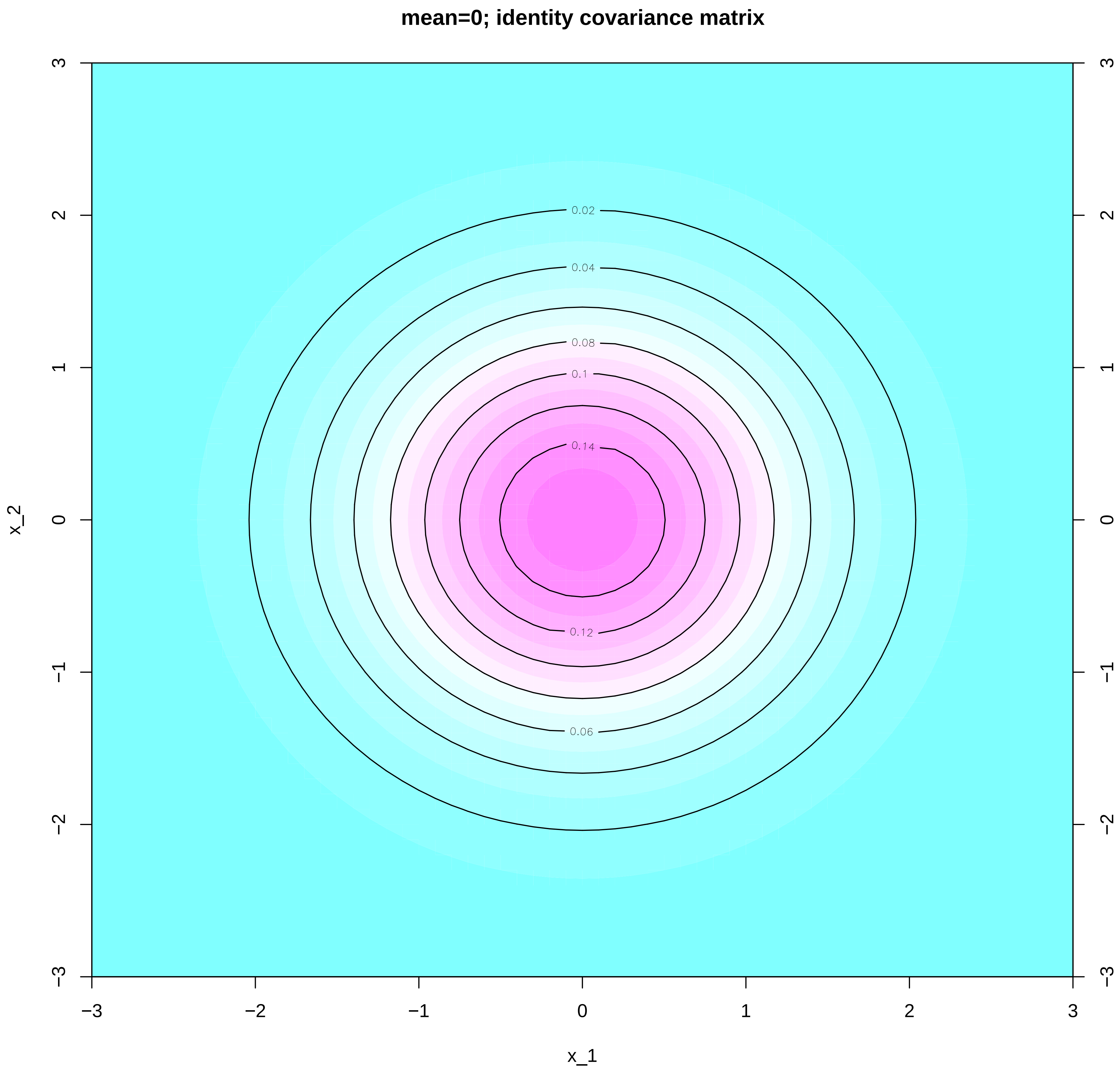
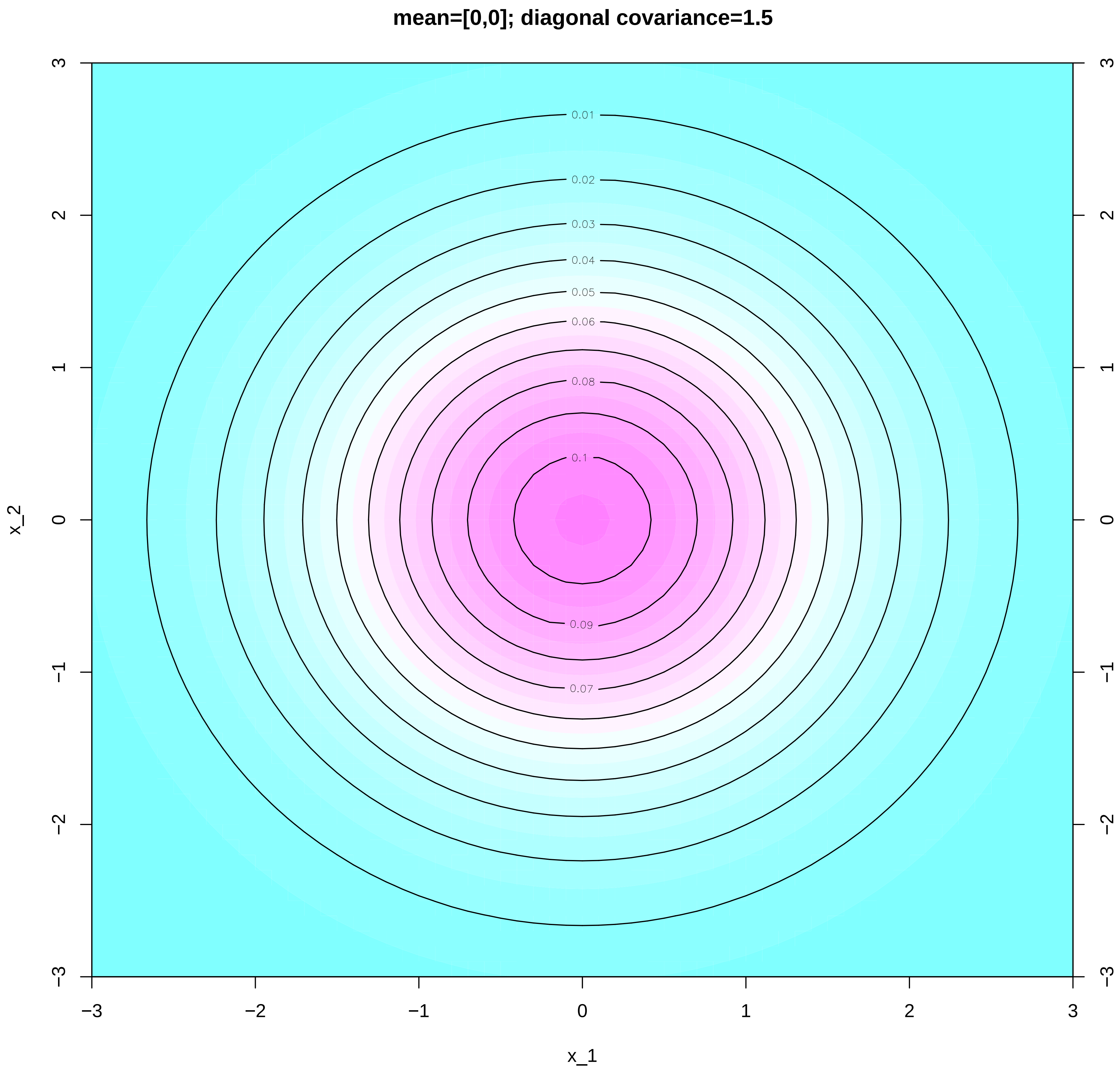
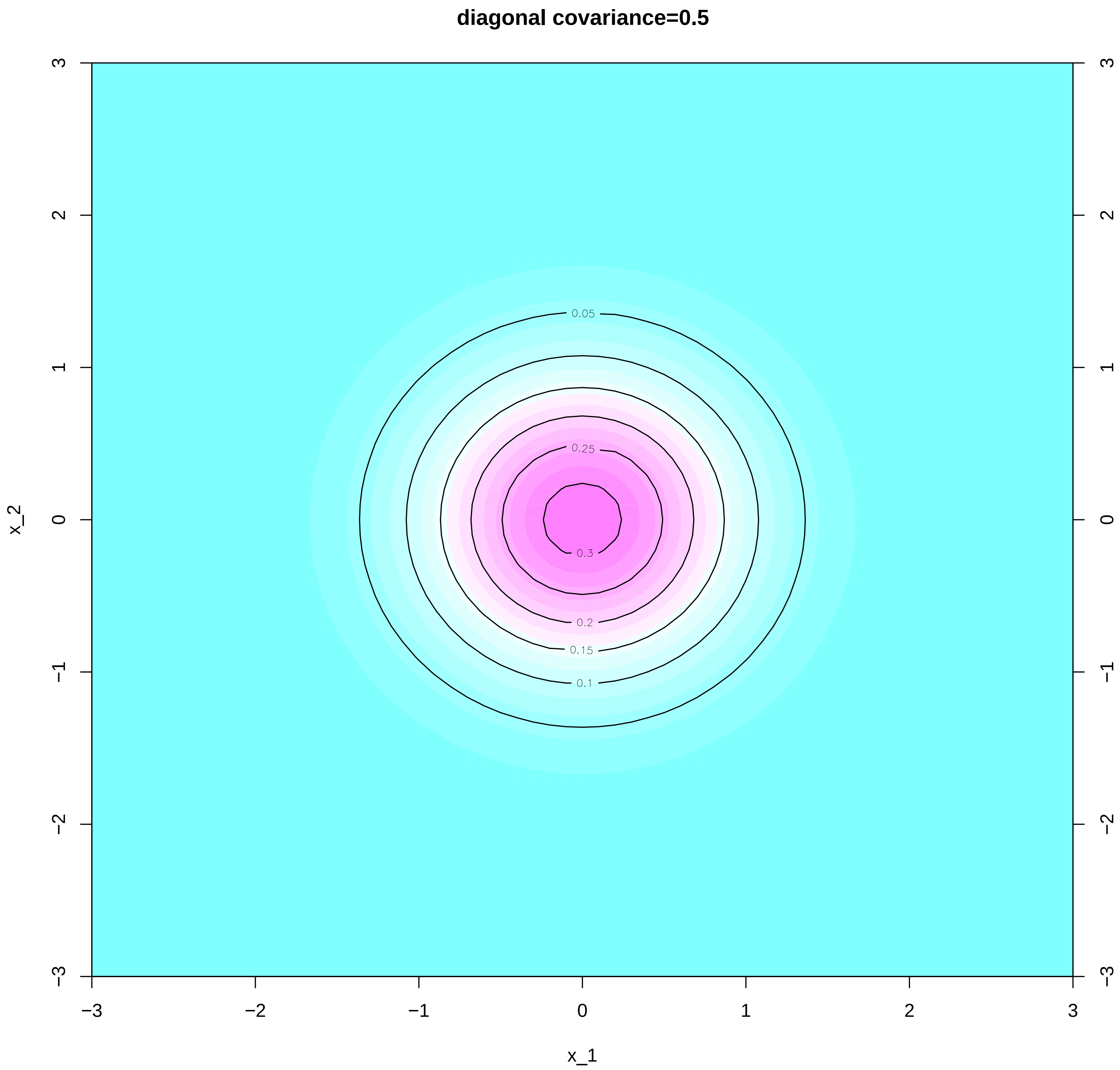
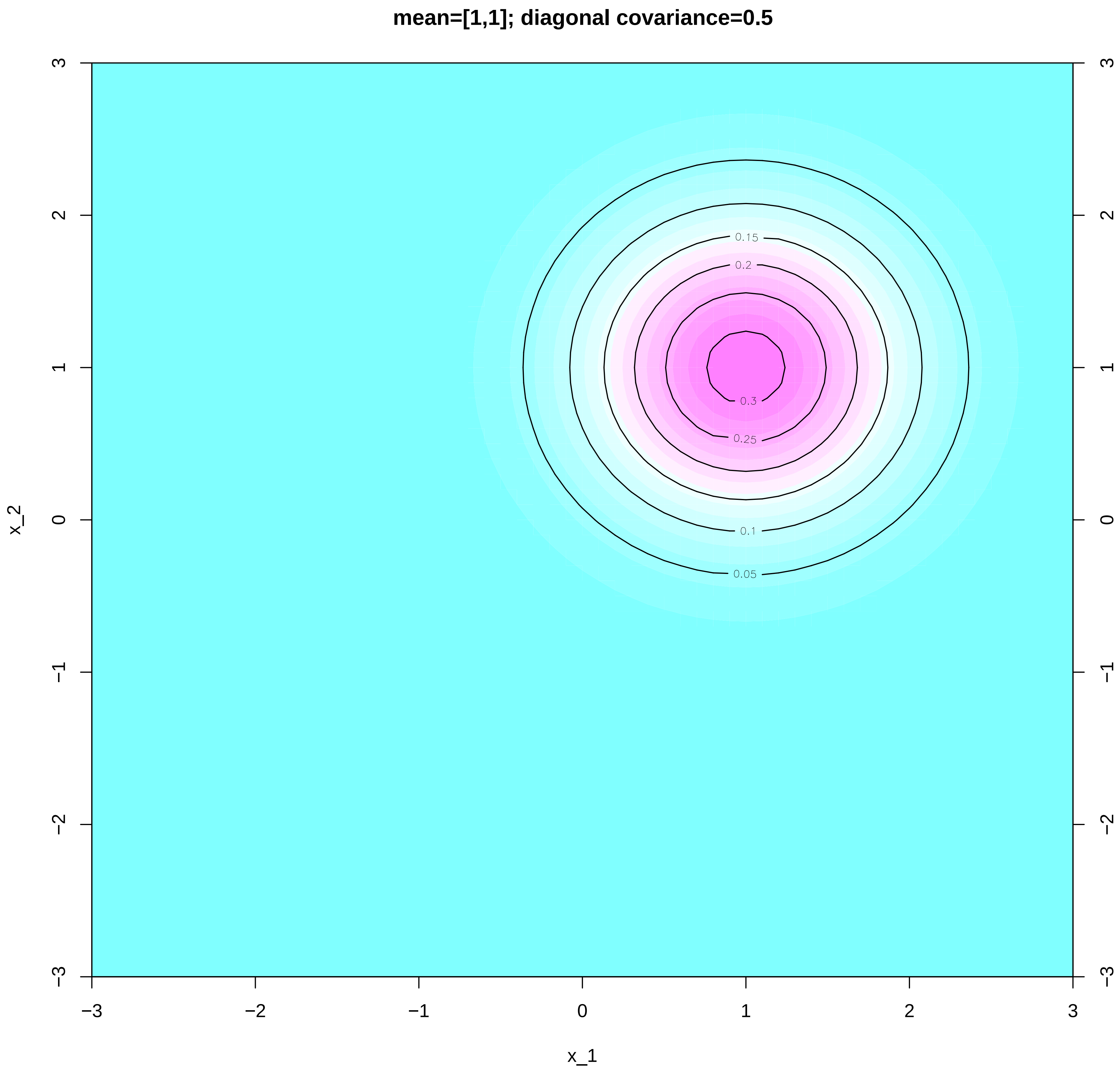

mean=0; identity covariance matrix
0.02
0.04
0.06
0.08
0.1
0.12
0.14
−3
−2
−1
0
1
2
3
x_1
x_2

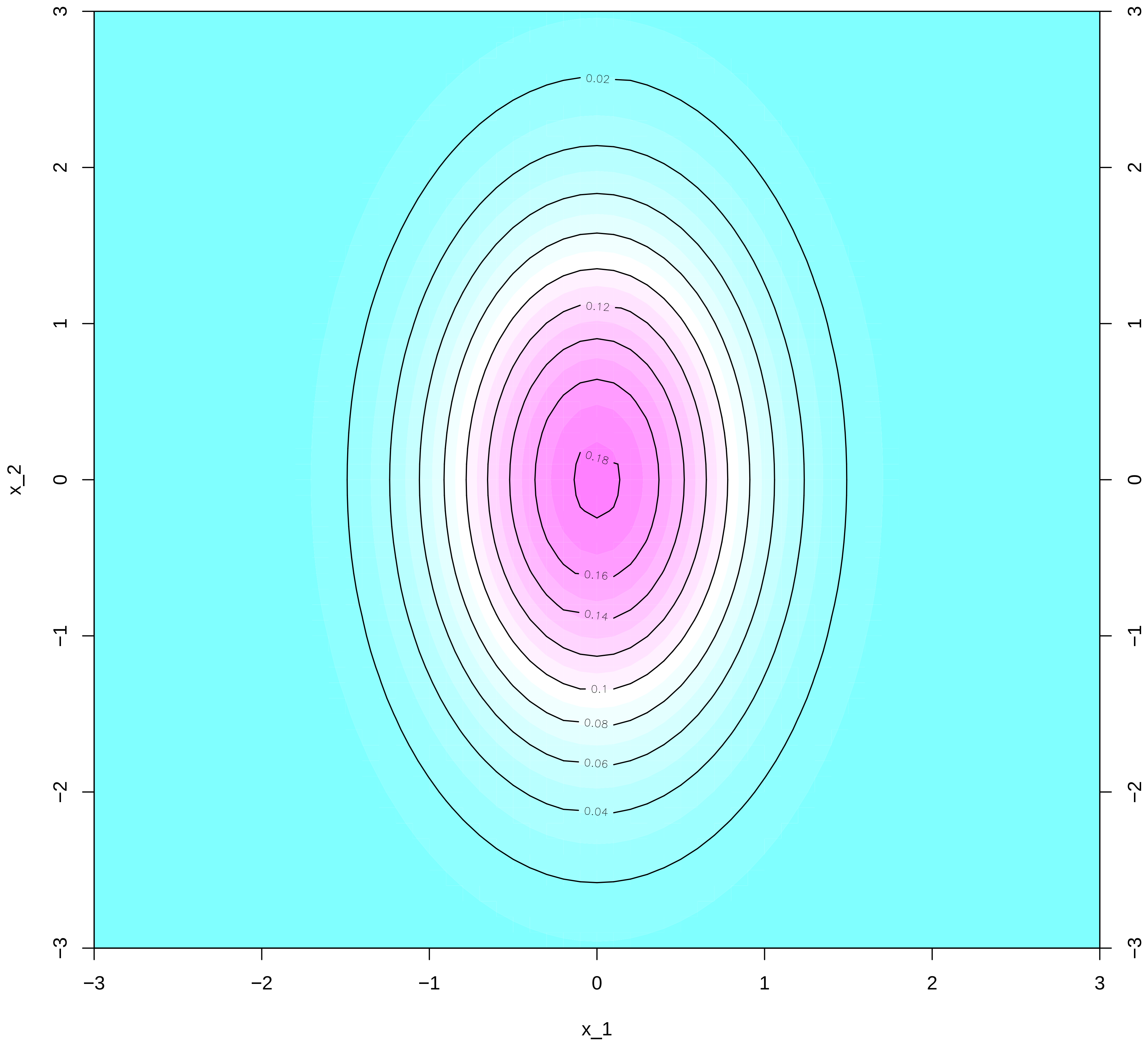

mean=[0,0]; diagonal covariance=1.5
0.01
0.02
0.03
0.04
0.05
0.06
0.08
0.1
0.09
0.07
x_1
x_2
−3
−2
−1
0
1
2
3

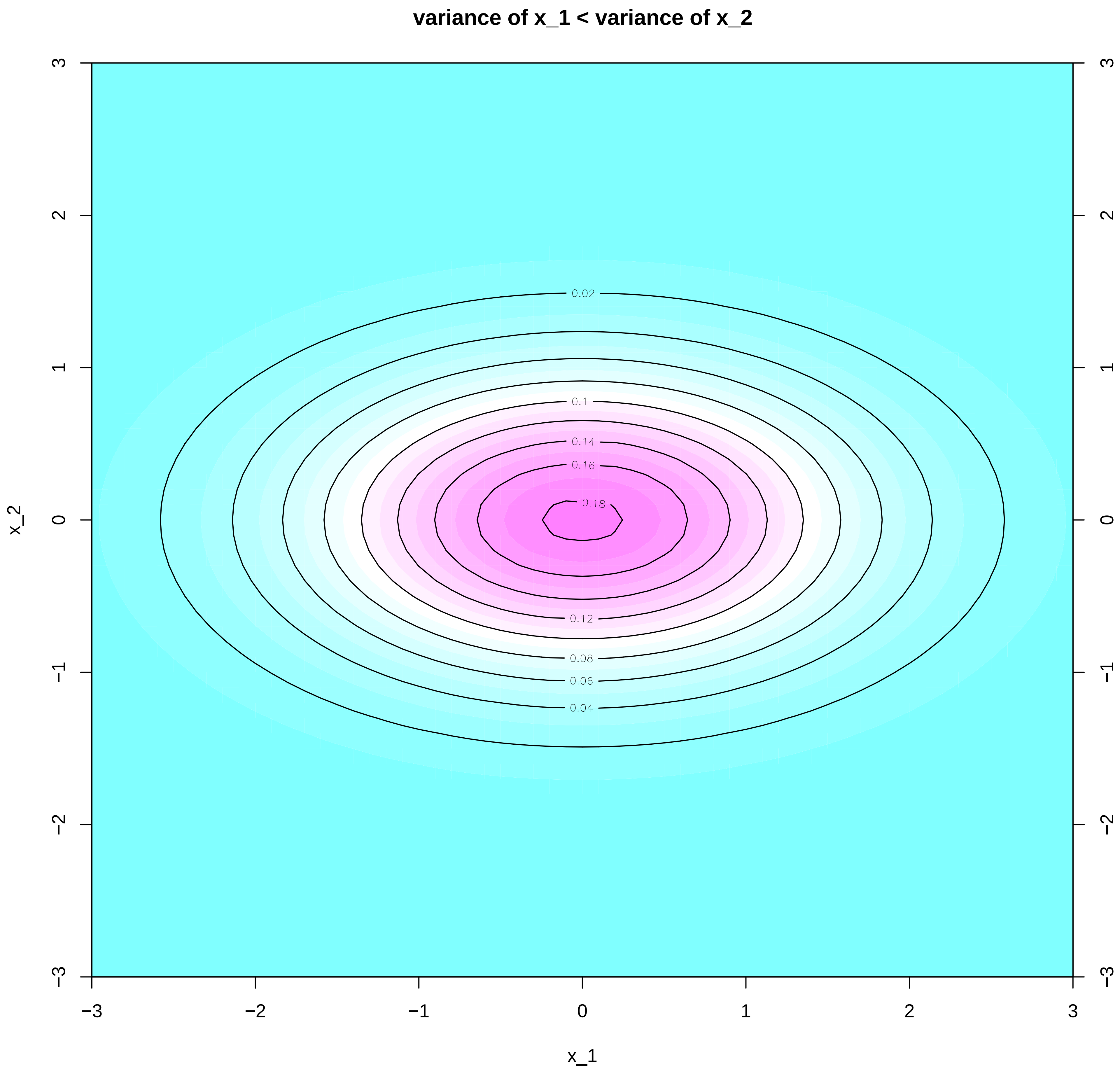


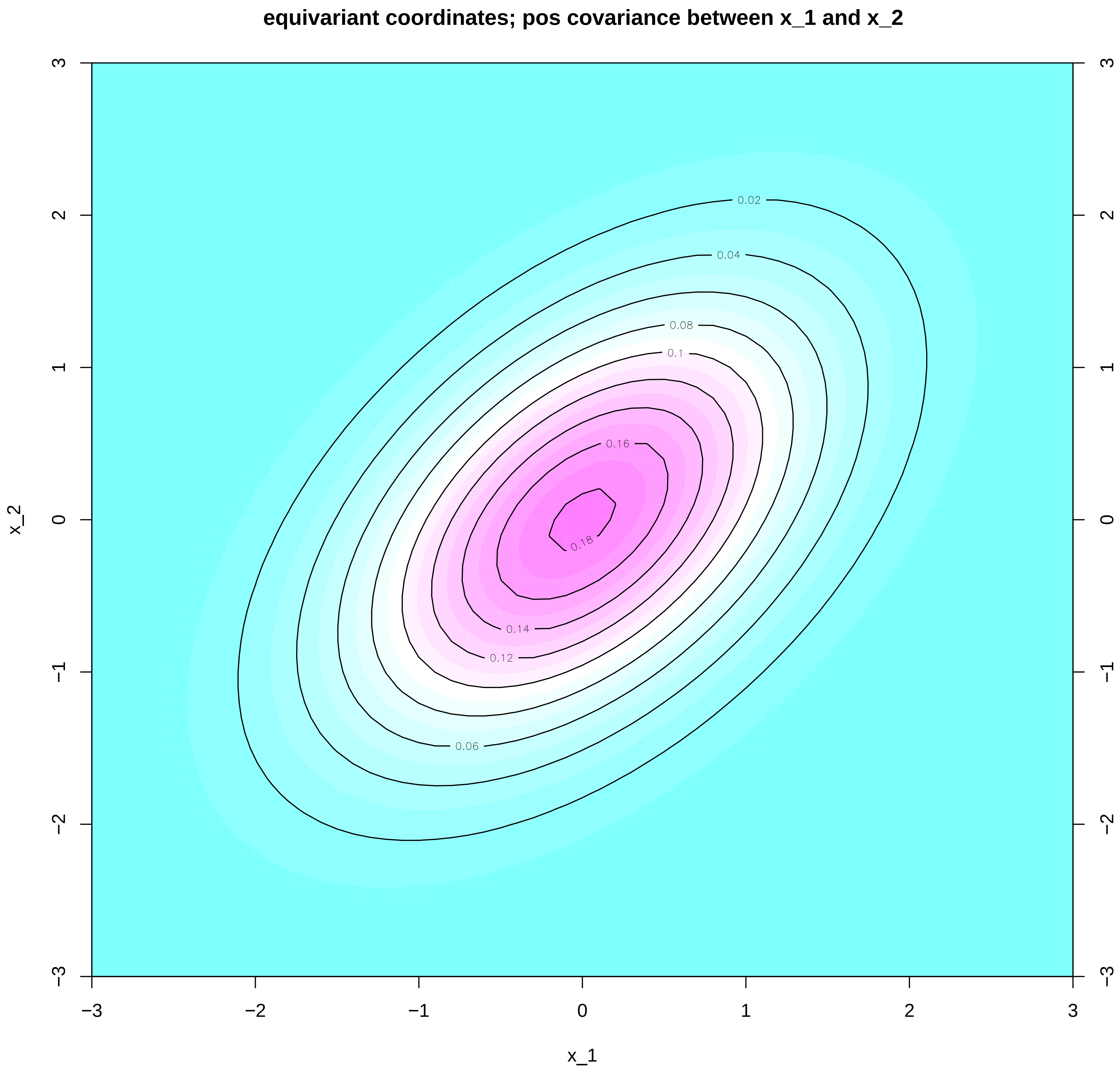
diagonal covariance=0.5
0.05
0.25
0.3
0.2
0.15
0.1
x_1
x_2
−3
−2
−1
0
1
2
3


mean=[1,1]; diagonal covariance=0.5
x_1
x_2
−3
−2
−1
0
1
2
3
0.05
0.1
0.15
0.2
0.25
0.3

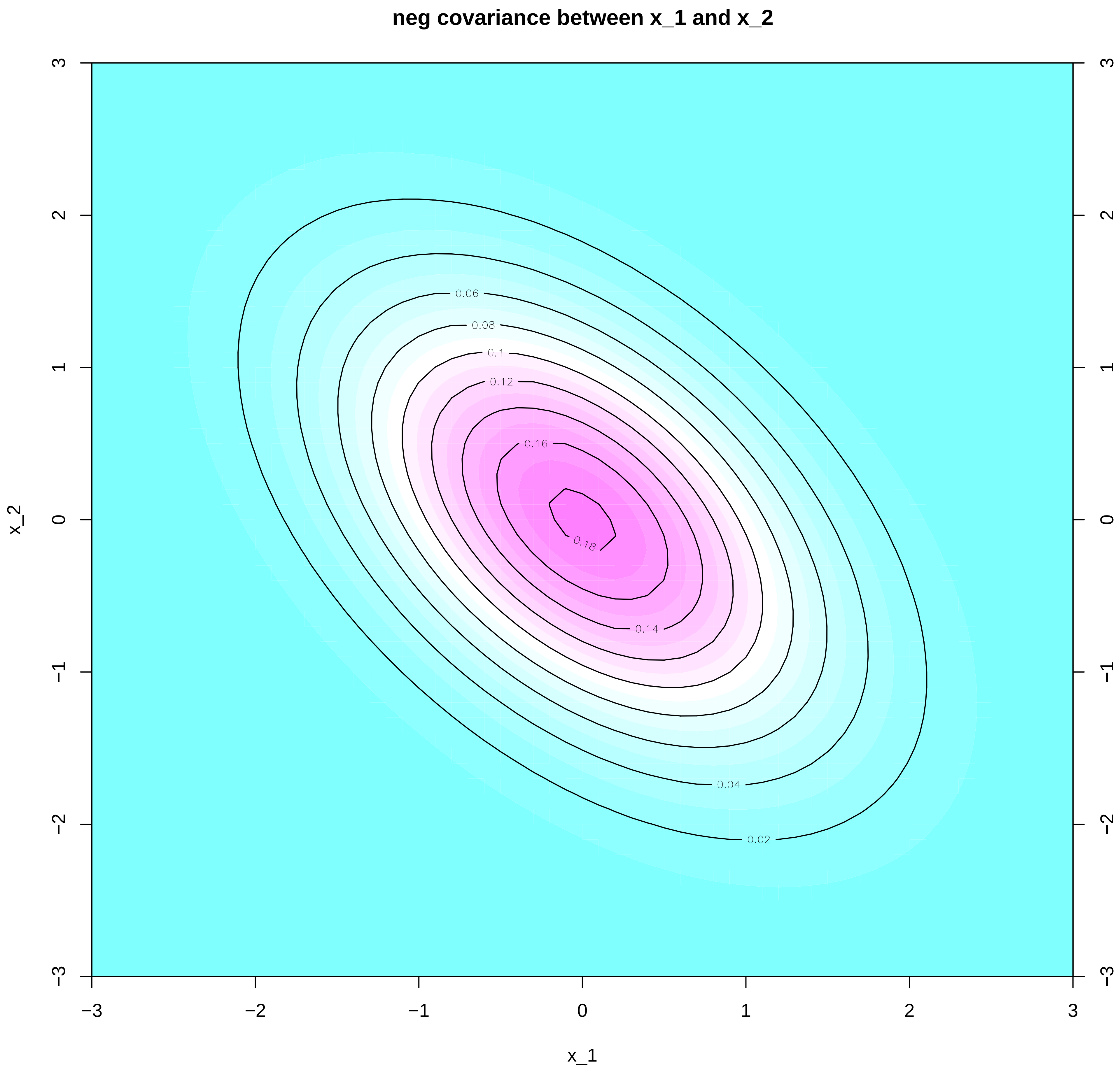
mean=[0,0]; variance of x_1 > variance of x_2



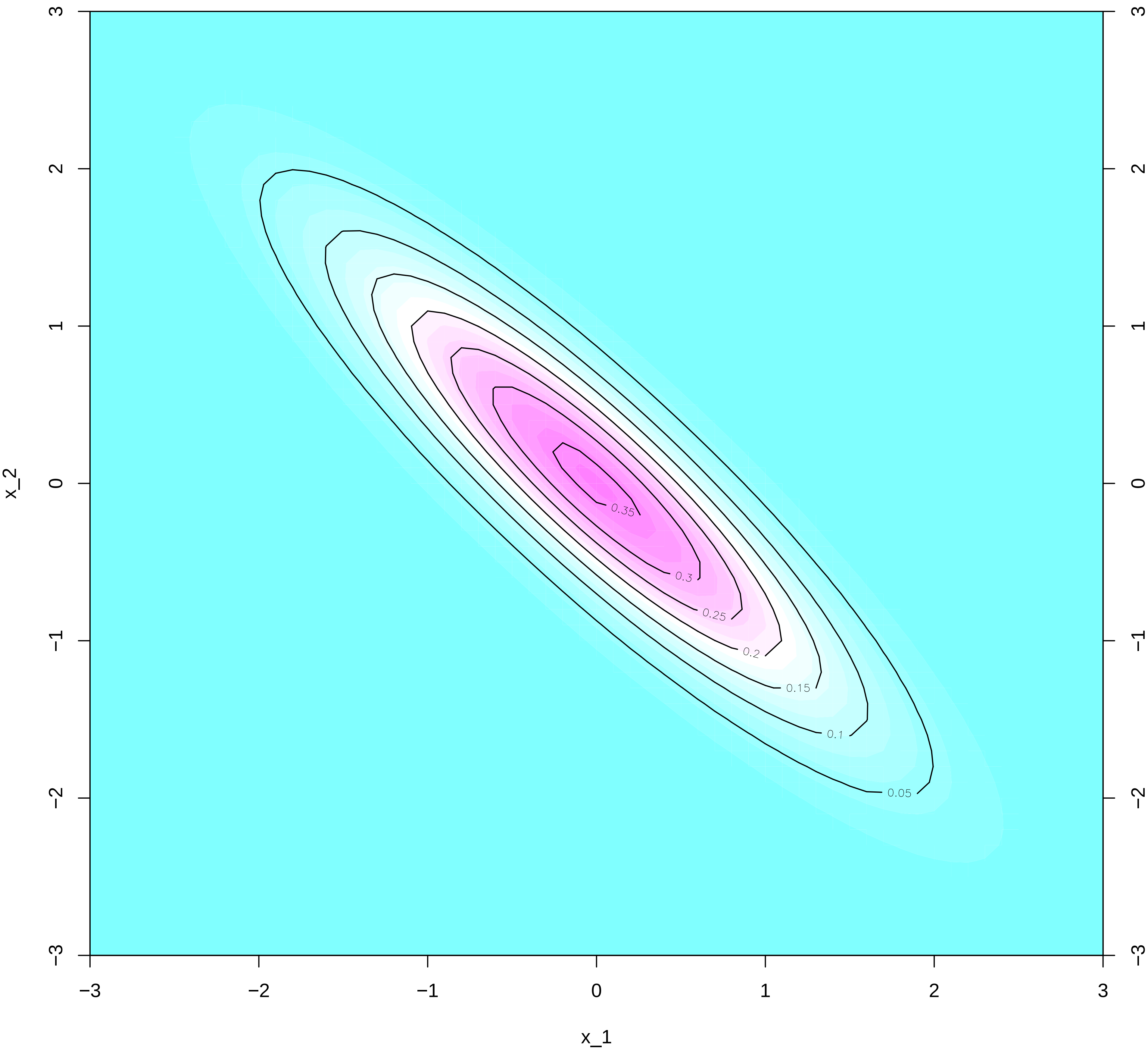

variance of x_1 < variance of x_2
x_1
x_2
−3
−2
−1
0
1
2
3
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18



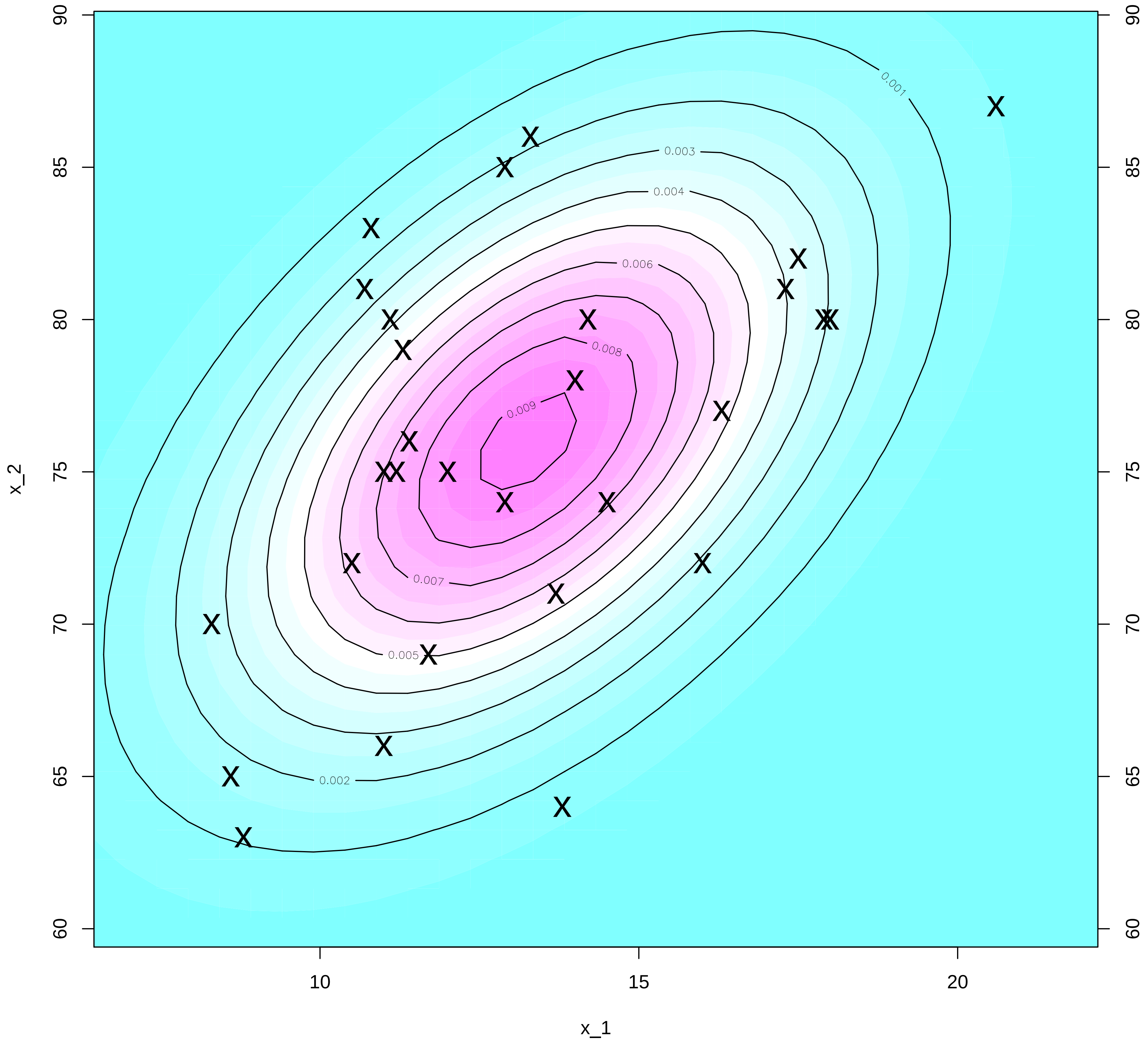
equivariant coordinates; pos covariance between x_1 and x_2
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
x_1
x_2
−3
−2
−1
0
1
2
3


neg covariance between x_1 and x_2
x_1
x_2
−3
−2
−1
0
1
2
3
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18

**more neg covariance between x_1 and x_2**



**MLE**



x_1
x_2
10
15
20
60
65
70
75
80
85
90
0.001
0.002
0.003
0.004
0.005
0.006
0.007
0.008
0.009