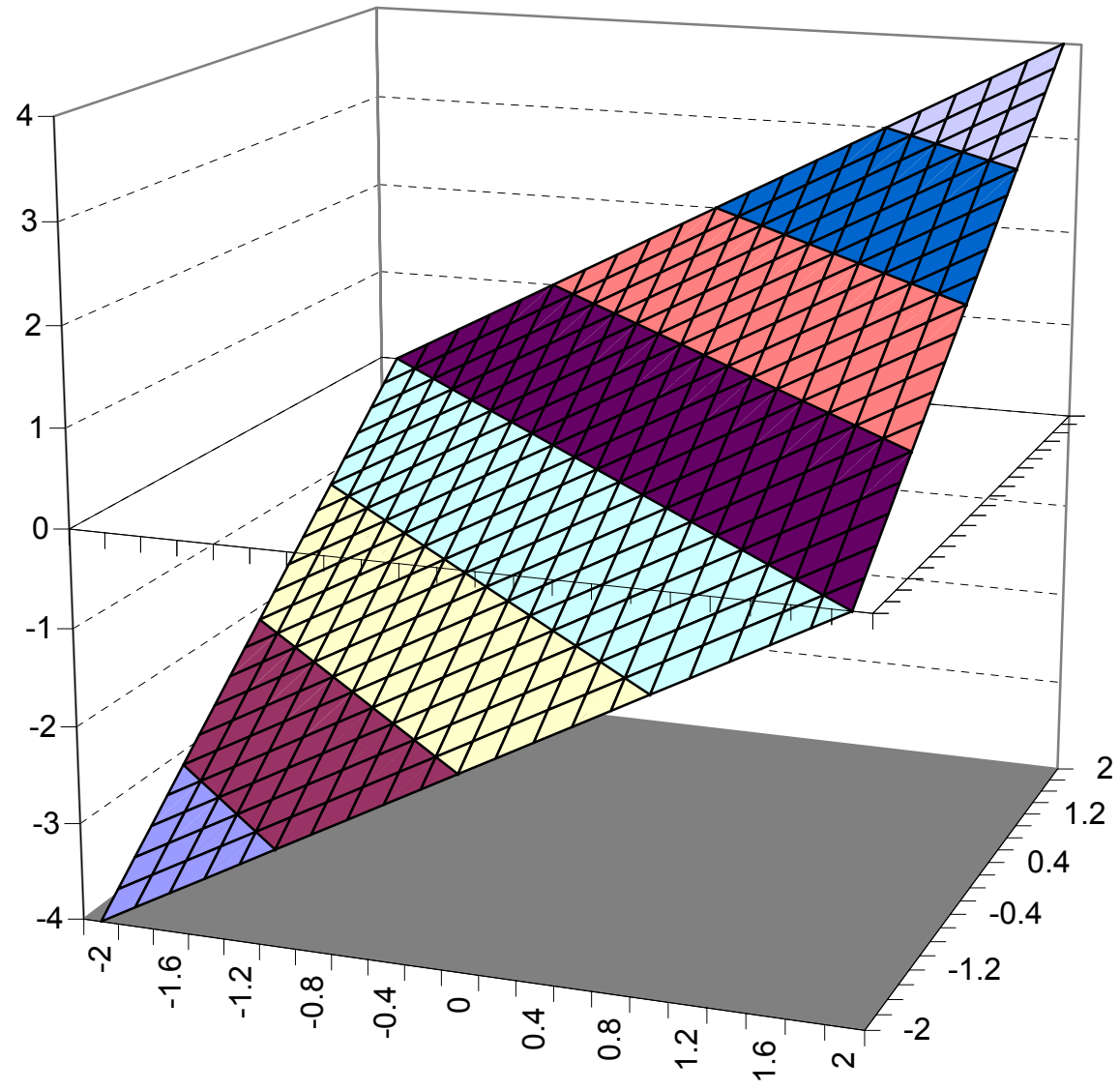
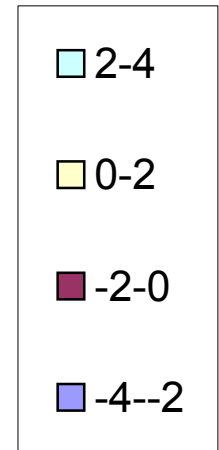
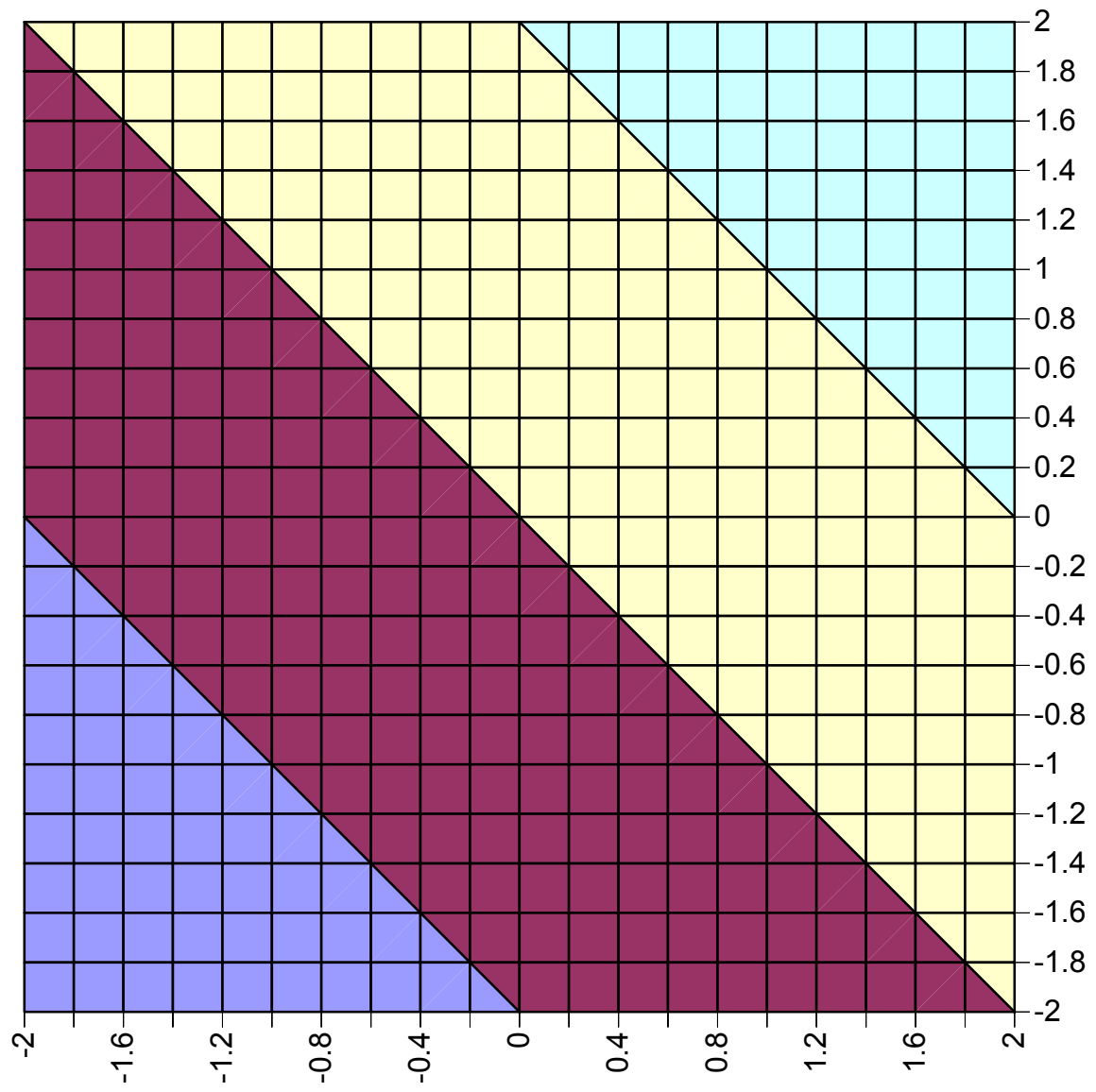


$Z = x + y$  plano

y \ x

	-2	-1.8	-2	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2
-2	-4	-3.8	-4	-3.4	-3.2	-3	-2.8	-2.6	-2.4	-2.2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0
-1.8	-3.8	-3.6	-3	-3.2	-3	-2.8	-2.6	-2.4	-2.2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2
-1.6	-3.6	-3.4	-3	-3	-2.8	-2.6	-2.4	-2.2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4
-1.4	-3.4	-3.2	-3	-2.8	-2.6	-2.4	-2.2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6
-1.2	-3.2	-3	-3	-2.6	-2.4	-2.2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8
-1	-3	-2.8	-3	-2.4	-2.2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1
-0.8	-2.8	-2.6	-2	-2.2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2
-0.6	-2.6	-2.4	-2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4
-0.4	-2.4	-2.2	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6
-0.2	-2.2	-2	-2	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8
0	-2	-1.8	-2	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2
0.2	-1.8	-1.6	-1	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2
0.4	-1.6	-1.4	-1	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4
0.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6
0.8	-1.2	-1	-1	-0.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8
1	-1	-0.8	-1	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3
1.2	-0.8	-0.6	-0	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2
1.4	-0.6	-0.4	-0	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4
1.6	-0.4	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6
1.8	-0.2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8
2	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4



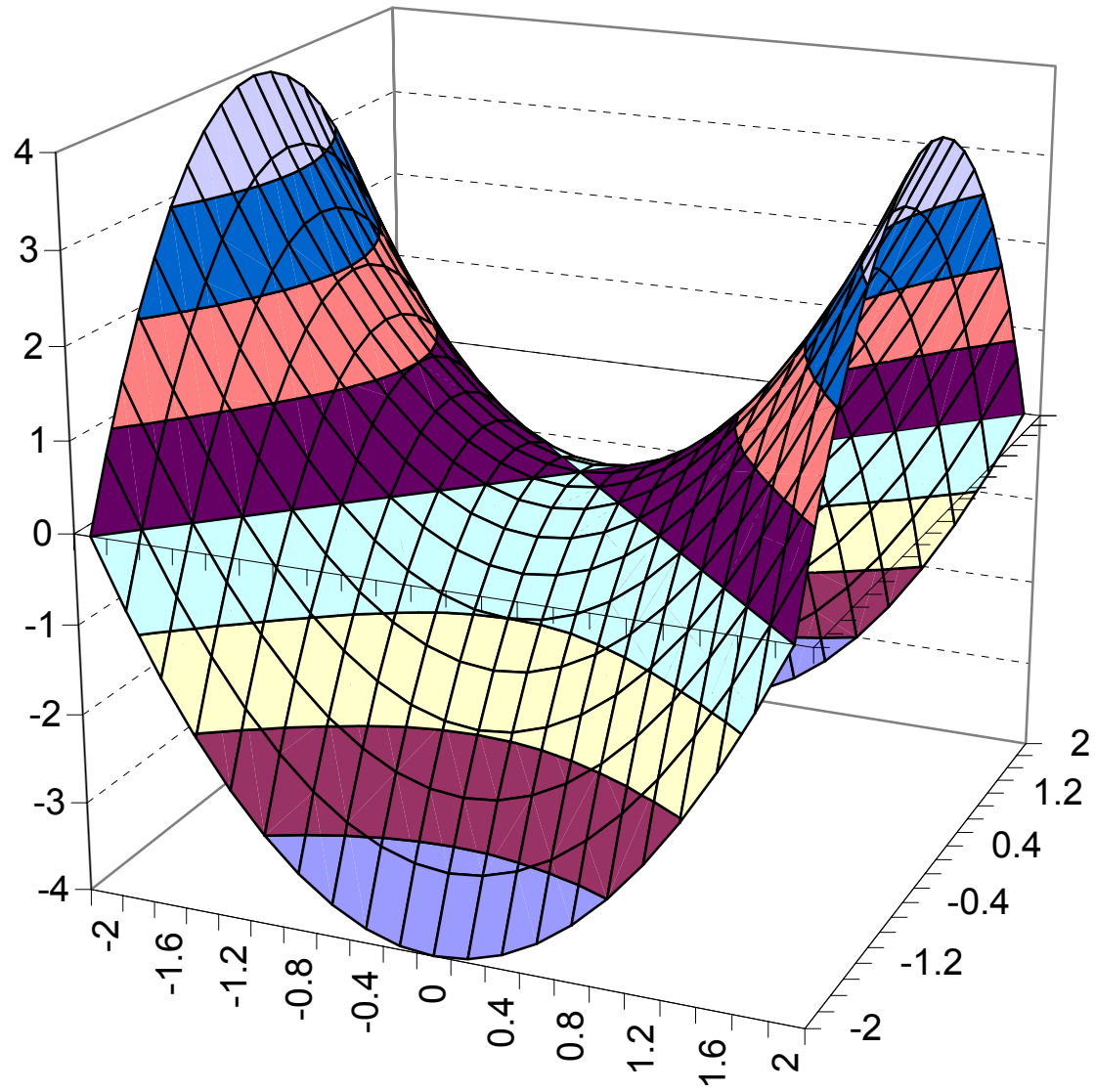


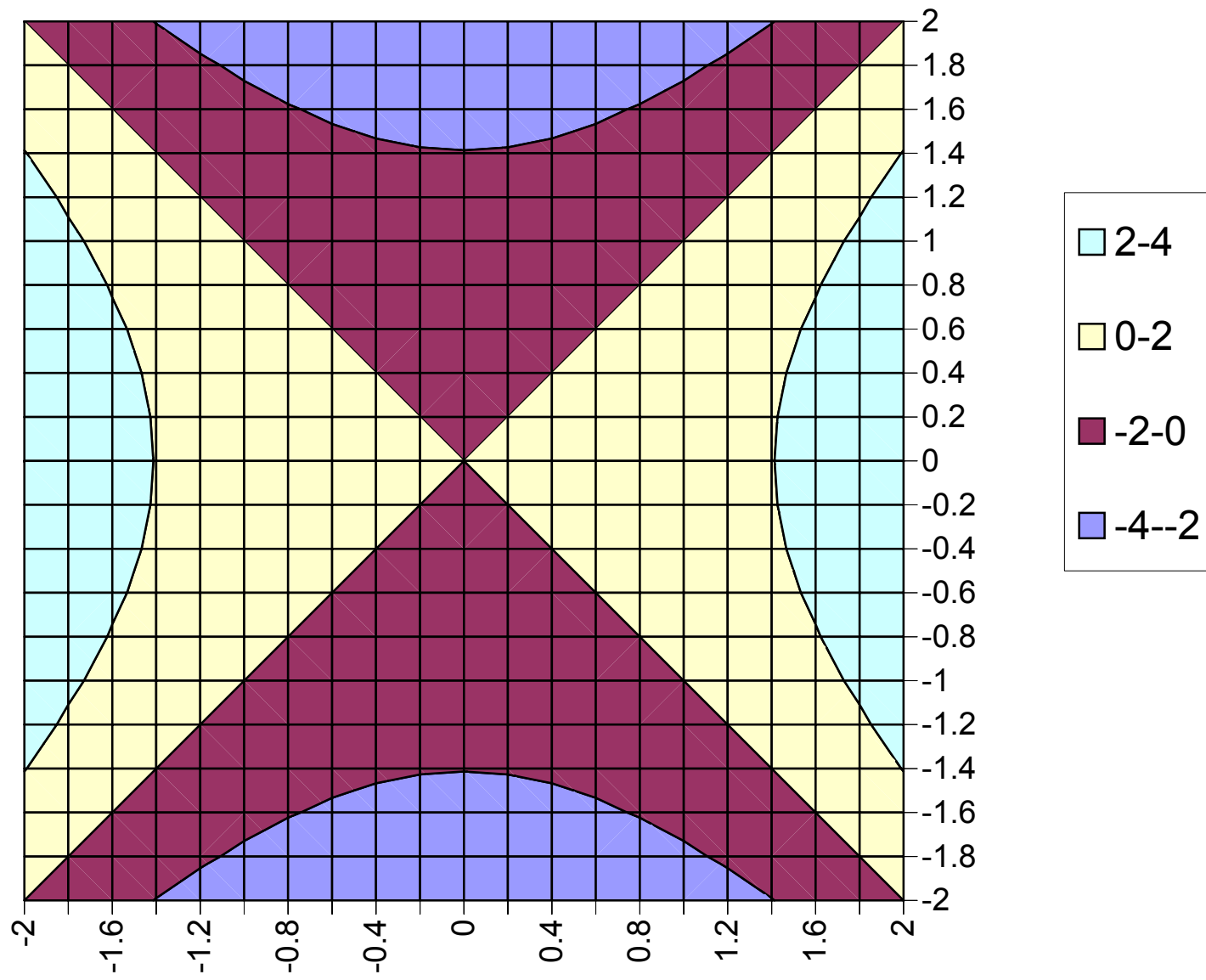
$$z = x^2 - y^2 \quad \text{Paraboloide reglado o silla de montar}$$

y \ x

	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0
-2	0	-0.76	-1.44	-2.04	-2.56	-3	-3.36	-3.64	-3.84	-3.96	-4
-1.8	0.76	0	-0.68	-1.28	-1.8	-2.24	-2.6	-2.88	-3.08	-3.2	-3.24
-1.6	1.44	0.68	0	-0.6	-1.12	-1.56	-1.92	-2.2	-2.4	-2.52	-2.56
-1.4	2.04	1.28	0.6	0	-0.52	-0.96	-1.32	-1.6	-1.8	-1.92	-1.96
-1.2	2.56	1.8	1.12	0.52	0	-0.44	-0.8	-1.08	-1.28	-1.4	-1.44
-1	3	2.24	1.56	0.96	0.44	0	-0.36	-0.64	-0.84	-0.96	-1
-0.8	3.36	2.6	1.92	1.32	0.8	0.36	0	-0.28	-0.48	-0.6	-0.64
-0.6	3.64	2.88	2.2	1.6	1.08	0.64	0.28	0	-0.2	-0.32	-0.36
-0.4	3.84	3.08	2.4	1.8	1.28	0.84	0.48	0.2	0	-0.12	-0.16
-0.2	3.96	3.2	2.52	1.92	1.4	0.96	0.6	0.32	0.12	0	-0.04
0	4	3.24	2.56	1.96	1.44	1	0.64	0.36	0.16	0.04	0
0.2	3.96	3.2	2.52	1.92	1.4	0.96	0.6	0.32	0.12	0	-0.04
0.4	3.84	3.08	2.4	1.8	1.28	0.84	0.48	0.2	0	-0.12	-0.16
0.6	3.64	2.88	2.2	1.6	1.08	0.64	0.28	0	-0.2	-0.32	-0.36
0.8	3.36	2.6	1.92	1.32	0.8	0.36	0	-0.28	-0.48	-0.6	-0.64
1	3	2.24	1.56	0.96	0.44	0	-0.36	-0.64	-0.84	-0.96	-1
1.2	2.56	1.8	1.12	0.52	0	-0.44	-0.8	-1.08	-1.28	-1.4	-1.44
1.4	2.04	1.28	0.6	0	-0.52	-0.96	-1.32	-1.6	-1.8	-1.92	-1.96
1.6	1.44	0.68	0	-0.6	-1.12	-1.56	-1.92	-2.2	-2.4	-2.52	-2.56
1.8	0.76	0	-0.68	-1.28	-1.8	-2.24	-2.6	-2.88	-3.08	-3.2	-3.24
2	0	-0.76	-1.44	-2.04	-2.56	-3	-3.36	-3.64	-3.84	-3.96	-4

0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2
-3.96	-3.84	-3.64	-3.36	-3	-2.56	-2.04	-1.44	-0.76	0
-3.2	-3.08	-2.88	-2.6	-2.24	-1.8	-1.28	-0.68	0	0.76
-2.52	-2.4	-2.2	-1.92	-1.56	-1.12	-0.6	0	0.68	1.44
-1.92	-1.8	-1.6	-1.32	-0.96	-0.52	0	0.6	1.28	2.04
-1.4	-1.28	-1.08	-0.8	-0.44	0	0.52	1.12	1.8	2.56
-0.96	-0.84	-0.64	-0.36	0	0.44	0.96	1.56	2.24	3
-0.6	-0.48	-0.28	0	0.36	0.8	1.32	1.92	2.6	3.36
-0.32	-0.2	0	0.28	0.64	1.08	1.6	2.2	2.88	3.64
-0.12	0	0.2	0.48	0.84	1.28	1.8	2.4	3.08	3.84
0	0.12	0.32	0.6	0.96	1.4	1.92	2.52	3.2	3.96
0.04	0.16	0.36	0.64	1	1.44	1.96	2.56	3.24	4
0	0.12	0.32	0.6	0.96	1.4	1.92	2.52	3.2	3.96
-0.12	0	0.2	0.48	0.84	1.28	1.8	2.4	3.08	3.84
-0.32	-0.2	0	0.28	0.64	1.08	1.6	2.2	2.88	3.64
-0.6	-0.48	-0.28	0	0.36	0.8	1.32	1.92	2.6	3.36
-0.96	-0.84	-0.64	-0.36	0	0.44	0.96	1.56	2.24	3
-1.4	-1.28	-1.08	-0.8	-0.44	0	0.52	1.12	1.8	2.56
-1.92	-1.8	-1.6	-1.32	-0.96	-0.52	0	0.6	1.28	2.04
-2.52	-2.4	-2.2	-1.92	-1.56	-1.12	-0.6	0	0.68	1.44
-3.2	-3.08	-2.88	-2.6	-2.24	-1.8	-1.28	-0.68	0	0.76
-3.96	-3.84	-3.64	-3.36	-3	-2.56	-2.04	-1.44	-0.76	0





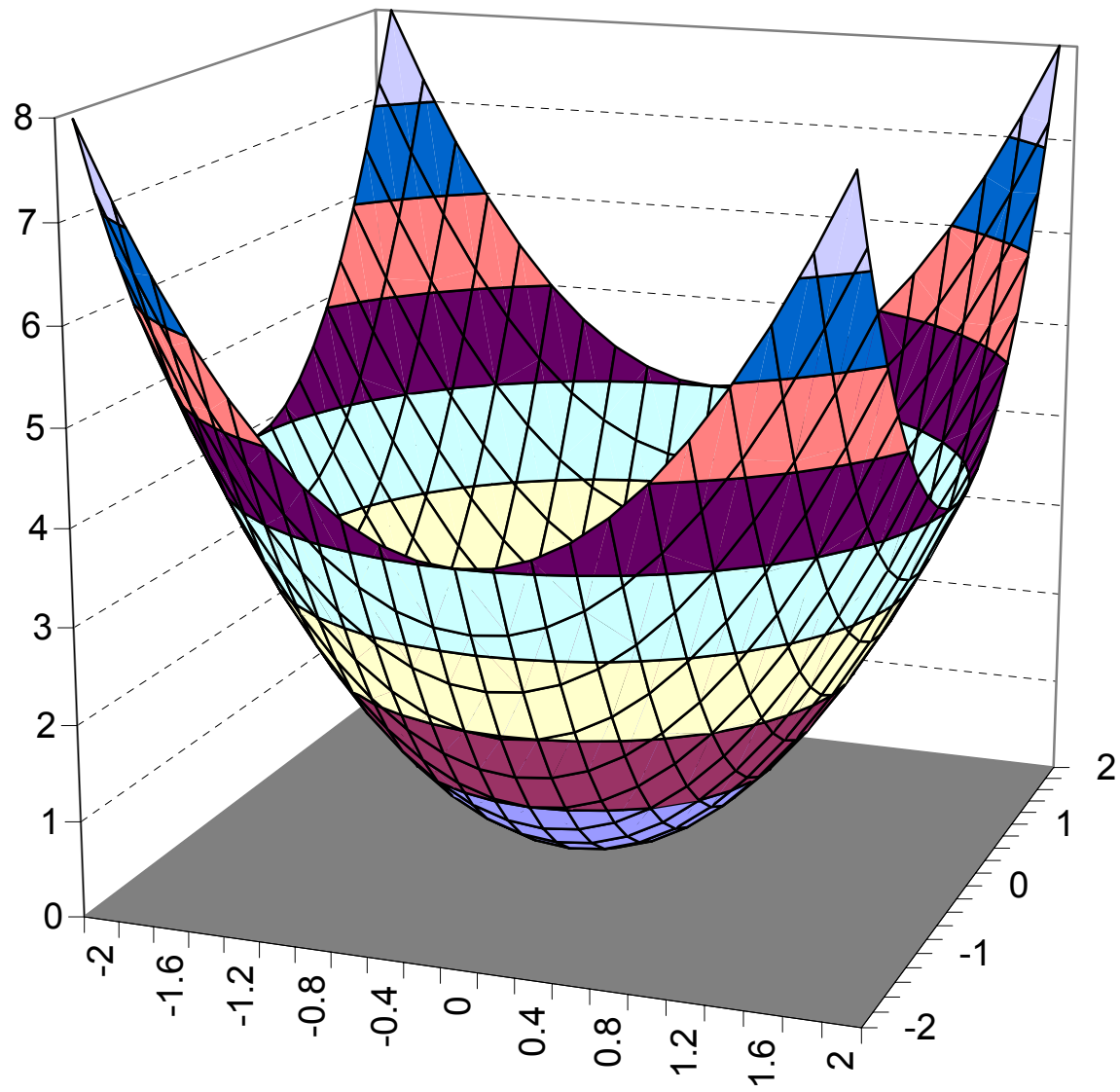
$$z = x^2 + y^2 \quad \text{Paraboloide no reglado o de revolución}$$

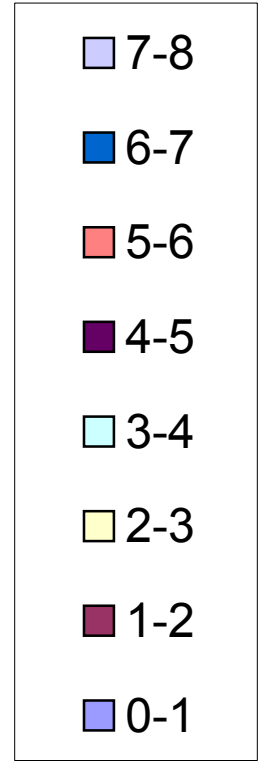
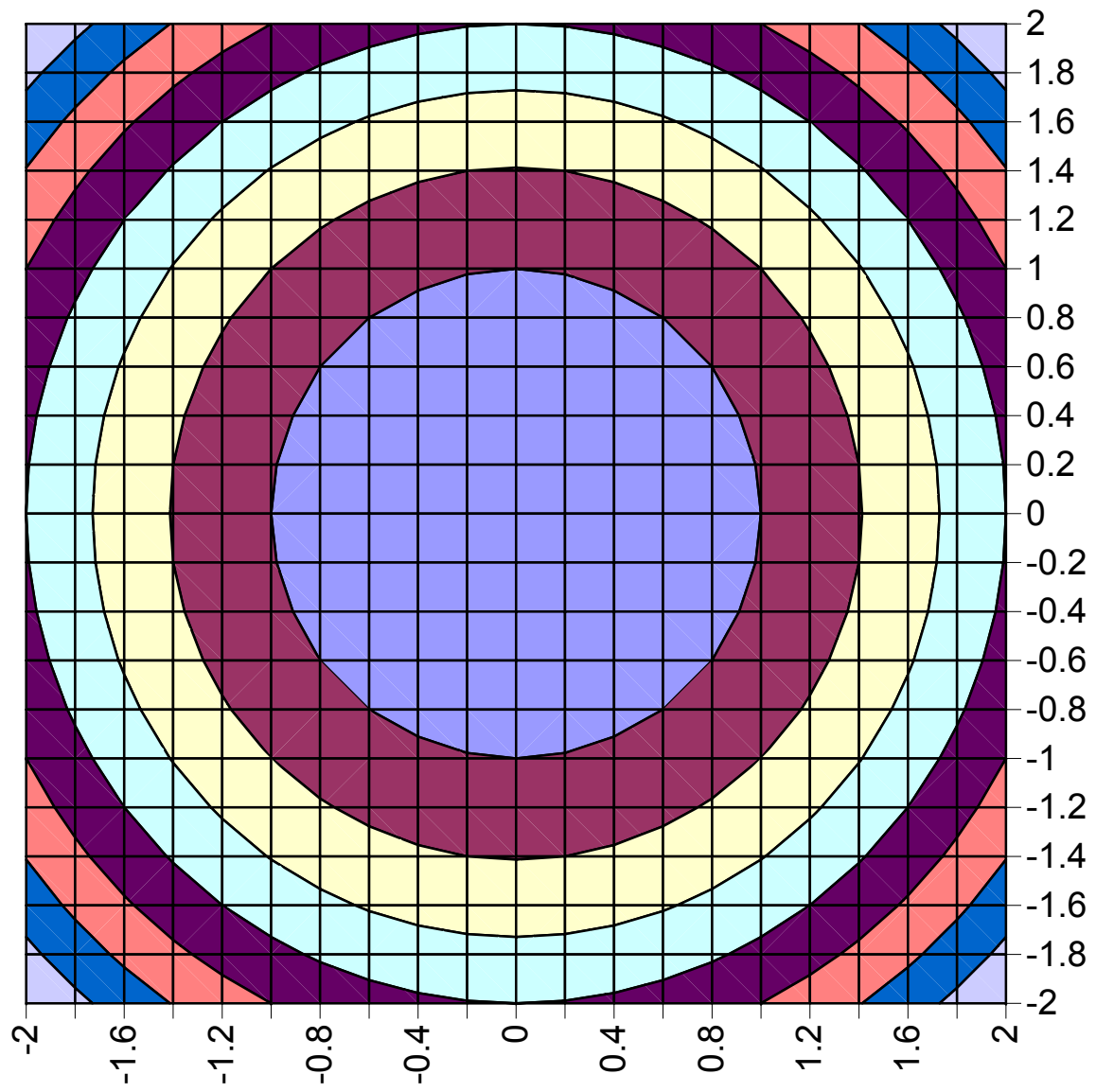
y \ x

	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2	0
-2	8	7.24	6.56	5.96	5.44	5	4.64	4.36	4.16	4.04	4
-1.8	7.24	6.48	5.8	5.2	4.68	4.24	3.88	3.6	3.4	3.28	3.24
-1.6	6.56	5.8	5.12	4.52	4	3.56	3.2	2.92	2.72	2.6	2.56
-1.4	5.96	5.2	4.52	3.92	3.4	2.96	2.6	2.32	2.12	2	1.96
-1.2	5.44	4.68	4	3.4	2.88	2.44	2.08	1.8	1.6	1.48	1.44
-1	5	4.24	3.56	2.96	2.44	2	1.64	1.36	1.16	1.04	1
-0.8	4.64	3.88	3.2	2.6	2.08	1.64	1.28	1	0.8	0.68	0.64
-0.6	4.36	3.6	2.92	2.32	1.8	1.36	1	0.72	0.52	0.4	0.36
-0.4	4.16	3.4	2.72	2.12	1.6	1.16	0.8	0.52	0.32	0.2	0.16
-0.2	4.04	3.28	2.6	2	1.48	1.04	0.68	0.4	0.2	0.08	0.04
0	4	3.24	2.56	1.96	1.44	1	0.64	0.36	0.16	0.04	0
0.2	4.04	3.28	2.6	2	1.48	1.04	0.68	0.4	0.2	0.08	0.04
0.4	4.16	3.4	2.72	2.12	1.6	1.16	0.8	0.52	0.32	0.2	0.16
0.6	4.36	3.6	2.92	2.32	1.8	1.36	1	0.72	0.52	0.4	0.36
0.8	4.64	3.88	3.2	2.6	2.08	1.64	1.28	1	0.8	0.68	0.64
1	5	4.24	3.56	2.96	2.44	2	1.64	1.36	1.16	1.04	1
1.2	5.44	4.68	4	3.4	2.88	2.44	2.08	1.8	1.6	1.48	1.44
1.4	5.96	5.2	4.52	3.92	3.4	2.96	2.6	2.32	2.12	2	1.96
1.6	6.56	5.8	5.12	4.52	4	3.56	3.2	2.92	2.72	2.6	2.56
1.8	7.24	6.48	5.8	5.2	4.68	4.24	3.88	3.6	3.4	3.28	3.24
2	8	7.24	6.56	5.96	5.44	5	4.64	4.36	4.16	4.04	4



0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2
4.04	4.16	4.36	4.64	5	5.44	5.96	6.56	7.24	8
3.28	3.4	3.6	3.88	4.24	4.68	5.2	5.8	6.48	7.24
2.6	2.72	2.92	3.2	3.56	4	4.52	5.12	5.8	6.56
2	2.12	2.32	2.6	2.96	3.4	3.92	4.52	5.2	5.96
1.48	1.6	1.8	2.08	2.44	2.88	3.4	4	4.68	5.44
1.04	1.16	1.36	1.64	2	2.44	2.96	3.56	4.24	5
0.68	0.8	1	1.28	1.64	2.08	2.6	3.2	3.88	4.64
0.4	0.52	0.72	1	1.36	1.8	2.32	2.92	3.6	4.36
0.2	0.32	0.52	0.8	1.16	1.6	2.12	2.72	3.4	4.16
0.08	0.2	0.4	0.68	1.04	1.48	2	2.6	3.28	4.04
0.04	0.16	0.36	0.64	1	1.44	1.96	2.56	3.24	4
0.08	0.2	0.4	0.68	1.04	1.48	2	2.6	3.28	4.04
0.2	0.32	0.52	0.8	1.16	1.6	2.12	2.72	3.4	4.16
0.4	0.52	0.72	1	1.36	1.8	2.32	2.92	3.6	4.36
0.68	0.8	1	1.28	1.64	2.08	2.6	3.2	3.88	4.64
1.04	1.16	1.36	1.64	2	2.44	2.96	3.56	4.24	5
1.48	1.6	1.8	2.08	2.44	2.88	3.4	4	4.68	5.44
2	2.12	2.32	2.6	2.96	3.4	3.92	4.52	5.2	5.96
2.6	2.72	2.92	3.2	3.56	4	4.52	5.12	5.8	6.56
3.28	3.4	3.6	3.88	4.24	4.68	5.2	5.8	6.48	7.24
4.04	4.16	4.36	4.64	5	5.44	5.96	6.56	7.24	8





$$z = (x^2 + y^2)^{1/2}$$

y \ x

	-2	-1.8	-1.6	-1.4	-1.2	-1	-0.8	-0.6	-0.4	-0.2
-2	2.82843	2.69072	2.56125	2.44131	2.33238	2.23607	2.15407	2.08806	2.03961	2.00998
-1.8	2.69072	2.54558	2.40832	2.28035	2.16333	2.05913	1.96977	1.89737	1.84391	1.81108
-1.6	2.56125	2.40832	2.26274	2.12603	2	1.8868	1.78885	1.7088	1.64924	1.61245
-1.4	2.44131	2.28035	2.12603	1.9799	1.84391	1.72047	1.61245	1.52315	1.45602	1.41421
-1.2	2.33238	2.16333	2	1.84391	1.69706	1.56205	1.44222	1.34164	1.26491	1.21655
-1	2.23607	2.05913	1.8868	1.72047	1.56205	1.41421	1.28062	1.16619	1.07703	1.0198
-0.8	2.15407	1.96977	1.78885	1.61245	1.44222	1.28062	1.13137	1	0.89443	0.82462
-0.6	2.08806	1.89737	1.7088	1.52315	1.34164	1.16619	1	0.84853	0.72111	0.63246
-0.4	2.03961	1.84391	1.64924	1.45602	1.26491	1.07703	0.89443	0.72111	0.56569	0.44721
-0.2	2.00998	1.81108	1.61245	1.41421	1.21655	1.0198	0.82462	0.63246	0.44721	0.28284
0	2	1.8	1.6	1.4	1.2	1	0.8	0.6	0.4	0.2
0.2	2.00998	1.81108	1.61245	1.41421	1.21655	1.0198	0.82462	0.63246	0.44721	0.28284
0.4	2.03961	1.84391	1.64924	1.45602	1.26491	1.07703	0.89443	0.72111	0.56569	0.44721
0.6	2.08806	1.89737	1.7088	1.52315	1.34164	1.16619	1	0.84853	0.72111	0.63246
0.8	2.15407	1.96977	1.78885	1.61245	1.44222	1.28062	1.13137	1	0.89443	0.82462
1	2.23607	2.05913	1.8868	1.72047	1.56205	1.41421	1.28062	1.16619	1.07703	1.0198
1.2	2.33238	2.16333	2	1.84391	1.69706	1.56205	1.44222	1.34164	1.26491	1.21655
1.4	2.44131	2.28035	2.12603	1.9799	1.84391	1.72047	1.61245	1.52315	1.45602	1.41421
1.6	2.56125	2.40832	2.26274	2.12603	2	1.8868	1.78885	1.7088	1.64924	1.61245
1.8	2.69072	2.54558	2.40832	2.28035	2.16333	2.05913	1.96977	1.89737	1.84391	1.81108
2	2.82843	2.69072	2.56125	2.44131	2.33238	2.23607	2.15407	2.08806	2.03961	2.00998

0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2
2	2.00998	2.03961	2.08806	2.15407	2.23607	2.33238	2.44131	2.56125	2.69072	2.82843
1.8	1.81108	1.84391	1.89737	1.96977	2.05913	2.16333	2.28035	2.40832	2.54558	2.69072
1.6	1.61245	1.64924	1.7088	1.78885	1.8868	2	2.12603	2.26274	2.40832	2.56125
1.4	1.41421	1.45602	1.52315	1.61245	1.72047	1.84391	1.9799	2.12603	2.28035	2.44131
1.2	1.21655	1.26491	1.34164	1.44222	1.56205	1.69706	1.84391	2	2.16333	2.33238
1	1.0198	1.07703	1.16619	1.28062	1.41421	1.56205	1.72047	1.8868	2.05913	2.23607
0.8	0.82462	0.89443	1	1.13137	1.28062	1.44222	1.61245	1.78885	1.96977	2.15407
0.6	0.63246	0.72111	0.84853	1	1.16619	1.34164	1.52315	1.7088	1.89737	2.08806
0.4	0.44721	0.56569	0.72111	0.89443	1.07703	1.26491	1.45602	1.64924	1.84391	2.03961
0.2	0.28284	0.44721	0.63246	0.82462	1.0198	1.21655	1.41421	1.61245	1.81108	2.00998
0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2
0.2	0.28284	0.44721	0.63246	0.82462	1.0198	1.21655	1.41421	1.61245	1.81108	2.00998
0.4	0.44721	0.56569	0.72111	0.89443	1.07703	1.26491	1.45602	1.64924	1.84391	2.03961
0.6	0.63246	0.72111	0.84853	1	1.16619	1.34164	1.52315	1.7088	1.89737	2.08806
0.8	0.82462	0.89443	1	1.13137	1.28062	1.44222	1.61245	1.78885	1.96977	2.15407
1	1.0198	1.07703	1.16619	1.28062	1.41421	1.56205	1.72047	1.8868	2.05913	2.23607
1.2	1.21655	1.26491	1.34164	1.44222	1.56205	1.69706	1.84391	2	2.16333	2.33238
1.4	1.41421	1.45602	1.52315	1.61245	1.72047	1.84391	1.9799	2.12603	2.28035	2.44131
1.6	1.61245	1.64924	1.7088	1.78885	1.8868	2	2.12603	2.26274	2.40832	2.56125
1.8	1.81108	1.84391	1.89737	1.96977	2.05913	2.16333	2.28035	2.40832	2.54558	2.69072
2	2.00998	2.03961	2.08806	2.15407	2.23607	2.33238	2.44131	2.56125	2.69072	2.82843

