

$$f(x,y) = (x^2 - y^2)/(x^2 + y^2) \quad \text{No es continua en } (0,0)$$

		x															
y		-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
-2	0	-0.105	-0.2195	-0.3423	-0.4706	-0.6	-0.7241	-0.8349	-0.9231	-0.9802	-1	-0.9802	-0.9231	-0.8349	-0.7241	-0.6	
-1.8	0.10497	0	-0.1172	-0.2462	-0.3846	-0.5283	-0.6701	-0.8	-0.9059	-0.9756	-1	-0.9756	-0.9059	-0.8	-0.6701	-0.5283	
-1.6	0.21951	0.11724	0	-0.1327	-0.28	-0.4382	-0.6	-0.7534	-0.8824	-0.9692	-1	-0.9692	-0.8824	-0.7534	-0.6	-0.4382	
-1.4	0.34228	0.24615	0.13274	0	-0.1529	-0.3243	-0.5077	-0.6897	-0.8491	-0.96	-1	-0.96	-0.8491	-0.6897	-0.5077	-0.3243	
-1.2	0.47059	0.38462	0.28	0.15294	0	-0.1803	-0.3846	-0.6	-0.8	-0.9459	-1	-0.9459	-0.8	-0.6	-0.3846	-0.1803	
-1	0.6	0.5283	0.4382	0.32432	0.18033	0	-0.2195	-0.4706	-0.7241	-0.9231	-1	-0.9231	-0.7241	-0.4706	-0.2195	0	
-0.8	0.72414	0.6701	0.6	0.50769	0.38462	0.21951	0	-0.28	-0.6	-0.8824	-1	-0.8824	-0.6	-0.28	0	0.21951	
-0.6	0.83486	0.8	0.75342	0.68966	0.6	0.47059	0.28	0	-0.3846	-0.8	-1	-0.8	-0.3846	0	0.28	0.47059	
-0.4	0.92308	0.90588	0.88235	0.84906	0.8	0.72414	0.6	0.38462	0	-0.6	-1	-0.6	0	0.38462	0.6	0.72414	
-0.2	0.9802	0.97561	0.96923	0.96	0.94595	0.92308	0.88235	0.8	0.6	0	-1	0	0.6	0.8	0.88235	0.92308	
0	1	1	1	1	1	1	1	1	1	1	1	#¡DIV/0!	1	1	1	1	
0.2	0.9802	0.97561	0.96923	0.96	0.94595	0.92308	0.88235	0.8	0.6	0	-1	0	0.6	0.8	0.88235	0.92308	
0.4	0.92308	0.90588	0.88235	0.84906	0.8	0.72414	0.6	0.38462	0	-0.6	-1	-0.6	0	0.38462	0.6	0.72414	
0.6	0.83486	0.8	0.75342	0.68966	0.6	0.47059	0.28	0	-0.3846	-0.8	-1	-0.8	-0.3846	0	0.28	0.47059	
0.8	0.72414	0.6701	0.6	0.50769	0.38462	0.21951	0	-0.28	-0.6	-0.8824	-1	-0.8824	-0.6	-0.28	0	0.21951	
1	0.6	0.5283	0.4382	0.32432	0.18033	0	-0.2195	-0.4706	-0.7241	-0.9231	-1	-0.9231	-0.7241	-0.4706	-0.2195	0	
1.2	0.47059	0.38462	0.28	0.15294	0	-0.1803	-0.3846	-0.6	-0.8	-0.9459	-1	-0.9459	-0.8	-0.6	-0.3846	-0.1803	
1.4	0.34228	0.24615	0.13274	0	-0.1529	-0.3243	-0.5077	-0.6897	-0.8491	-0.96	-1	-0.96	-0.8491	-0.6897	-0.5077	-0.3243	
1.6	0.21951	0.11724	0	-0.1327	-0.28	-0.4382	-0.6	-0.7534	-0.8824	-0.9692	-1	-0.9692	-0.8824	-0.7534	-0.6	-0.4382	
1.8	0.10497	0	-0.1172	-0.2462	-0.3846	-0.5283	-0.6701	-0.8	-0.9059	-0.9756	-1	-0.9756	-0.9059	-0.8	-0.6701	-0.5283	
2	0	-0.105	-0.2195	-0.3423	-0.4706	-0.6	-0.7241	-0.8349	-0.9231	-0.9802	-1	-0.9802	-0.9231	-0.8349	-0.7241	-0.6	
2.2	-0.095	-0.198	-0.3081	-0.4235	-0.5414	-0.6575	-0.7664	-0.8615	-0.936	-0.9836	-1	-0.9836	-0.936	-0.8615	-0.7664	-0.6575	
2.4	-0.1803	-0.28	-0.3846	-0.4922	-0.6	-0.7041	-0.8	-0.8824	-0.9459	-0.9862	-1	-0.9862	-0.9459	-0.8824	-0.8	-0.7041	
2.6	-0.2565	-0.352	-0.4506	-0.5505	-0.6488	-0.7423	-0.827	-0.8989	-0.9538	-0.9882	-1	-0.9882	-0.9538	-0.8989	-0.827	-0.7423	

2.8	-0.3243	-0.4152	-0.5077	-0.6	-0.6897	-0.7738	-0.8491	-0.9122	-0.96	-0.9898	-1	-0.9898	-0.96	-0.9122	-0.8491	-0.7738
3	-0.3846	-0.4706	-0.5571	-0.6423	-0.7241	-0.8	-0.8672	-0.9231	-0.9651	-0.9912	-1	-0.9912	-0.9651	-0.9231	-0.8672	-0.8
3.2	-0.4382	-0.5193	-0.6	-0.6787	-0.7534	-0.8221	-0.8824	-0.9321	-0.9692	-0.9922	-1	-0.9922	-0.9692	-0.9321	-0.8824	-0.8221
3.4	-0.4859	-0.5622	-0.6374	-0.7101	-0.7785	-0.8408	-0.8951	-0.9396	-0.9727	-0.9931	-1	-0.9931	-0.9727	-0.9396	-0.8951	-0.8408
3.6	-0.5283	-0.6	-0.6701	-0.7373	-0.8	-0.8567	-0.9059	-0.9459	-0.9756	-0.9938	-1	-0.9938	-0.9756	-0.9459	-0.9059	-0.8567
3.8	-0.5662	-0.6335	-0.6988	-0.761	-0.8186	-0.8705	-0.9151	-0.9514	-0.9781	-0.9945	-1	-0.9945	-0.9781	-0.9514	-0.9151	-0.8705
4	-0.6	-0.6632	-0.7241	-0.7817	-0.8349	-0.8824	-0.9231	-0.956	-0.9802	-0.995	-1	-0.995	-0.9802	-0.956	-0.9231	-0.8824

	1.2	1.4	1.6	1.8	2
-0.4706	-0.3423	-0.2195	-0.105	0	
-0.3846	-0.2462	-0.1172	0	0.10497	
-0.28	-0.1327	0	0.11724	0.21951	
-0.1529	0	0.13274	0.24615	0.34228	
0	0.15294	0.28	0.38462	0.47059	
0.18033	0.32432	0.4382	0.5283	0.6	
0.38462	0.50769	0.6	0.6701	0.72414	
0.6	0.68966	0.75342	0.8	0.83486	
0.8	0.84906	0.88235	0.90588	0.92308	
0.94595	0.96	0.96923	0.97561	0.9802	
1	1	1	1	1	
0.94595	0.96	0.96923	0.97561	0.9802	
0.8	0.84906	0.88235	0.90588	0.92308	
0.6	0.68966	0.75342	0.8	0.83486	
0.38462	0.50769	0.6	0.6701	0.72414	
0.18033	0.32432	0.4382	0.5283	0.6	
0	0.15294	0.28	0.38462	0.47059	
-0.1529	0	0.13274	0.24615	0.34228	
-0.28	-0.1327	0	0.11724	0.21951	
-0.3846	-0.2462	-0.1172	0	0.10497	
-0.4706	-0.3423	-0.2195	-0.105	0	
-0.5414	-0.4235	-0.3081	-0.198	-0.095	
-0.6	-0.4922	-0.3846	-0.28	-0.1803	
-0.6488	-0.5505	-0.4506	-0.352	-0.2565	

-0.6897	-0.6	-0.5077	-0.4152	-0.3243
-0.7241	-0.6423	-0.5571	-0.4706	-0.3846
-0.7534	-0.6787	-0.6	-0.5193	-0.4382
-0.7785	-0.7101	-0.6374	-0.5622	-0.4859
-0.8	-0.7373	-0.6701	-0.6	-0.5283
-0.8186	-0.761	-0.6988	-0.6335	-0.5662
-0.8349	-0.7817	-0.7241	-0.6632	-0.6



