

3-D Surface Plots Template

Circle 1  
2  
3  
4  
5

0	53	95
0	55	60
0	65	45
0	75	35
0	100	30

5	52.9885840942752	95.261467228243
5	54.9809734904587	60.4357787137383
5	64.9429204713762	46.3073361412149
5	74.9048674522936	37.1788935686915
5	99.8097349045873	34.3577871373829

10	52.9544232590366	95.5209445330008
10	54.924038765061	60.8682408883347
10	64.7721162951831	47.604722665004
10	74.6201938253052	39.3412044416733
10	99.2403876506104	38.6824088833465

15	52.8977774788672	95.7764571353076
15	54.8296291314454	61.2940952255126
15	64.488887394336	48.8822856765378
15	74.1481456572267	41.470476127563
15	98.2962913144534	42.940952255126

20	52.8190778623577	96.026060429977
20	54.6984631039295	61.7101007166283
20	64.0953893117886	50.130302149885
20	73.4923155196477	43.5505035831417
20	96.9846310392954	47.1010071662834

25	52.71892336111	96.2678547852221
25	54.5315389351832	62.1130913087035
25	63.5946168055497	51.3392739261105
25	72.6576946759163	45.5654565435175
25	95.3153893518325	51.130913087035

30	52.5980762113533	96.5
30	54.3301270189222	62.5
30	62.9903810567666	52.5
30	71.650635094611	47.5
30	93.3012701892219	55

Sheet1

35	52.457456132867	96.7207293090531
35	54.095760221445	62.8678821817552
35	62.2872806643349	53.6036465452657
35	70.4788011072248	49.3394109087762
35	90.9576022144496	58.6788218175523
40	52.2981333293569	96.9283628290596
40	53.8302222155949	63.2139380484327
40	61.4906666467847	54.6418141452981
40	69.1511110779745	51.0696902421635
40	88.3022221559489	62.139380484327
45	52.1213203435597	97.1213203435596
45	53.5355339059327	63.5355339059327
45	60.6066017177982	55.6066017177982
45	67.6776695296637	52.6776695296637
45	85.3553390593274	65.3553390593274
50	51.9283628290596	97.2981333293569
50	53.2139380484327	63.8302222155949
50	59.6418141452981	56.4906666467847
50	66.0696902421635	54.1511110779745
50	82.139380484327	68.3022221559489
55	51.7207293090531	97.457456132867
55	52.8678821817552	64.095760221445
55	58.6036465452657	57.2872806643349
55	64.3394109087762	55.4788011072248
55	78.6788218175523	70.9576022144496
60	51.5	97.5980762113533
60	52.5	64.3301270189222
60	57.5	57.9903810567666
60	62.5	56.650635094611
60	75	73.3012701892219
65	51.2678547852221	97.7189233611099
65	52.1130913087035	64.5315389351832
65	56.3392739261105	58.5946168055497
65	60.5654565435175	57.6576946759163
65	71.130913087035	75.3153893518325
70	51.026060429977	97.8190778623577
70	51.7101007166283	64.6984631039295
70	55.130302149885	59.0953893117886
70	58.5505035831417	58.4923155196477
70	67.1010071662834	76.9846310392954

Sheet1

75	50.7764571353076	97.8977774788672
75	51.2940952255126	64.8296291314454
75	53.8822856765378	59.488887394336
75	56.470476127563	59.1481456572267
75	62.940952255126	78.2962913144534
80	50.5209445330008	97.9544232590366
80	50.8682408883347	64.924038765061
80	52.604722665004	59.7721162951831
80	54.3412044416733	59.6201938253052
80	58.6824088833465	79.2403876506104
85	50.261467228243	97.9885840942752
85	50.4357787137383	64.9809734904587
85	51.3073361412149	59.9429204713762
85	52.1788935686915	59.9048674522936
85	54.3577871373829	79.8097349045873
90	50	98
90	50	65
90	50	60
90	50	60
90	50	80
95	49.738532771757	97.9885840942752
95	49.5642212862617	64.9809734904587
95	48.6926638587851	59.9429204713762
95	47.8211064313085	59.9048674522936
95	45.6422128626171	79.8097349045873
100	49.4790554669992	97.9544232590366
100	49.1317591116654	64.924038765061
100	47.3952773349961	59.7721162951831
100	45.6587955583268	59.6201938253052
100	41.3175911166535	79.2403876506104
105	49.2235428646924	97.8977774788672
105	48.7059047744874	64.8296291314454
105	46.1177143234622	59.488887394336
105	43.529523872437	59.1481456572267
105	37.059047744874	78.2962913144534
110	48.973939570023	97.8190778623577
110	48.2898992833717	64.6984631039295
110	44.869697850115	59.0953893117886
110	41.4494964168583	58.4923155196477
110	32.8989928337166	76.9846310392954
115	48.7321452147779	97.7189233611099

Sheet1

115	47.8869086912965	64.5315389351832
115	43.6607260738895	58.5946168055497
115	39.4345434564825	57.6576946759163
115	28.869086912965	75.3153893518325
120		48.5 97.5980762113533
120		47.5 64.3301270189222
120		42.5 57.9903810567666
120		37.5 56.650635094611
120		25 73.3012701892219
125	48.2792706909469	97.457456132867
125	47.1321178182448	64.095760221445
125	41.3963534547343	57.2872806643349
125	35.6605890912239	55.4788011072248
125	21.3211781824477	70.9576022144496
130	48.0716371709404	97.2981333293569
130	46.7860619515673	63.8302222155949
130	40.3581858547019	56.4906666467847
130	33.9303097578365	54.1511110779745
130	17.860619515673	68.3022221559489
135	47.8786796564404	97.1213203435596
135	46.4644660940673	63.5355339059327
135	39.3933982822018	55.6066017177982
135	32.3223304703363	52.6776695296637
135	14.6446609406726	65.3553390593274
140	47.7018666706431	96.9283628290596
140	46.1697777844051	63.2139380484327
140	38.5093333532153	54.6418141452981
140	30.8488889220256	51.0696902421635
140	11.6977778440511	62.139380484327
145	47.542543867133	96.7207293090531
145	45.904239778555	62.8678821817552
145	37.7127193356651	53.6036465452657
145	29.5211988927752	49.3394109087762
145	9.04239778555042	58.6788218175523
150	47.4019237886467	96.5
150	45.6698729810778	62.5
150	37.0096189432334	52.5
150	28.349364905389	47.5
150	6.69872981077806	55
155	47.2810766388901	96.2678547852221
155	45.4684610648168	62.1130913087035

Sheet1

155	36.4053831944503	51.3392739261105
155	27.3423053240838	45.5654565435175
155	4.68461064816751	51.130913087035
160	47.1809221376423	96.026060429977
160	45.3015368960705	61.7101007166283
160	35.9046106882114	50.130302149885
160	26.5076844803523	43.5505035831417
160	3.01536896070458	47.1010071662835
165	47.1022225211328	95.7764571353076
165	45.1703708685547	61.2940952255126
165	35.511112605664	48.8822856765378
165	25.8518543427733	41.470476127563
165	1.70370868554659	42.940952255126
170	47.0455767409634	95.5209445330008
170	45.075961234939	60.8682408883347
170	35.2278837048169	47.604722665004
170	25.3798061746948	39.3412044416733
170	0.759612349389599	38.6824088833465
175	47.0114159057248	95.261467228243
175	45.0190265095413	60.4357787137383
175	35.0570795286238	46.3073361412149
175	25.0951325477064	37.1788935686915
175	0.19026509541272	34.3577871373829
180	47	95
180	45	60
180	35	45
180	25	35
180	0	30
185	47.0114159057248	94.738532771757
185	45.0190265095413	59.5642212862617
185	35.0570795286238	43.6926638587851
185	25.0951325477064	32.8211064313085
185	0.19026509541272	25.6422128626171
190	47.0455767409634	94.4790554669992
190	45.075961234939	59.1317591116654
190	35.2278837048169	42.3952773349961
190	25.3798061746948	30.6587955583267
190	0.759612349389599	21.3175911166535
195	47.1022225211328	94.2235428646924
195	45.1703708685547	58.7059047744874
195	35.511112605664	41.1177143234622

Sheet1

195	25.8518543427733	28.529523872437
195	1.70370868554658	17.059047744874
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200	45.3015368960705	58.2898992833717
200	35.9046106882114	39.869697850115
200	26.5076844803523	26.4494964168583
200	3.01536896070458	12.8989928337166
205	47.2810766388901	93.7321452147779
205	45.4684610648168	57.8869086912965
205	36.4053831944503	38.6607260738895
205	27.3423053240837	24.4345434564825
205	4.6846106481675	8.86908691296504
210	47.4019237886467	93.5
210	45.6698729810778	57.5
210	37.0096189432334	37.5
210	28.349364905389	22.5
210	6.69872981077807	4.99999999999999
215	47.542543867133	93.2792706909469
215	45.904239778555	57.1321178182448
215	37.7127193356651	36.3963534547343
215	29.5211988927752	20.6605890912239
215	9.0423977855504	1.32117818244771
220	47.7018666706431	93.0716371709404
220	46.1697777844051	56.7860619515673
220	38.5093333532153	35.3581858547019
220	30.8488889220255	18.9303097578365
220	11.6977778440511	-2.13938048432696
225	47.8786796564404	92.8786796564404
225	46.4644660940673	56.4644660940673
225	39.3933982822018	34.3933982822018
225	32.3223304703363	17.3223304703363
225	14.6446609406726	-5.35533905932737
230	48.0716371709404	92.7018666706431
230	46.7860619515673	56.1697777844051
230	40.3581858547019	33.5093333532153
230	33.9303097578365	15.8488889220256
230	17.860619515673	-8.3022221559489
235	48.2792706909469	92.542543867133
235	47.1321178182448	55.904239778555
235	41.3963534547343	32.7127193356651
235	35.6605890912238	14.5211988927752

Sheet1

235	21.3211781824477	-10.9576022144496	
240		48.5	92.4019237886467
240		47.5	55.6698729810778
240		42.5	32.0096189432334
240		37.5	13.349364905389
240		25	-13.3012701892219
245	48.7321452147779	92.2810766388901	
245	47.8869086912965	55.4684610648168	
245	43.6607260738895	31.4053831944503	
245	39.4345434564825	12.3423053240838	
245	28.869086912965	-15.3153893518325	
250	48.973939570023	92.1809221376423	
250	48.2898992833717	55.3015368960705	
250	44.869697850115	30.9046106882114	
250	41.4494964168583	11.5076844803523	
250	32.8989928337165	-16.9846310392954	
255	49.2235428646924	92.1022225211328	
255	48.7059047744874	55.1703708685547	
255	46.1177143234622	30.511112605664	
255	43.529523872437	10.8518543427733	
255	37.059047744874	-18.2962913144534	
260	49.4790554669992	92.0455767409634	
260	49.1317591116654	55.075961234939	
260	47.3952773349961	30.2278837048169	
260	45.6587955583268	10.3798061746948	
260	41.3175911166535	-19.2403876506104	
265	49.738532771757	92.0114159057248	
265	49.5642212862617	55.0190265095413	
265	48.6926638587851	30.0570795286238	
265	47.8211064313085	10.0951325477064	
265	45.6422128626171	-19.8097349045873	
270		50	92
270		50	55
270		50	30
270		50	10
270		50	-20
275	50.261467228243	92.0114159057248	
275	50.4357787137383	55.0190265095413	
275	51.3073361412149	30.0570795286238	
275	52.1788935686915	10.0951325477064	
275	54.3577871373829	-19.8097349045873	

Sheet1

280	50.5209445330008	92.0455767409634
280	50.8682408883347	55.075961234939
280	52.604722665004	30.2278837048169
280	54.3412044416733	10.3798061746948
280	58.6824088833465	-19.2403876506104
285	50.7764571353076	92.1022225211328
285	51.2940952255126	55.1703708685547
285	53.8822856765378	30.511112605664
285	56.470476127563	10.8518543427733
285	62.9409522551261	-18.2962913144534
290	51.026060429977	92.1809221376423
290	51.7101007166283	55.3015368960705
290	55.130302149885	30.9046106882114
290	58.5505035831417	11.5076844803523
290	67.1010071662834	-16.9846310392954
295	51.2678547852221	92.2810766388901
295	52.1130913087035	55.4684610648168
295	56.3392739261105	31.4053831944503
295	60.5654565435175	12.3423053240838
295	71.130913087035	-15.3153893518325
300	51.5	92.4019237886467
300	52.5	55.6698729810778
300	57.5	32.0096189432334
300	62.5	13.349364905389
300	75	-13.3012701892219
305	51.7207293090531	92.542543867133
305	52.8678821817552	55.904239778555
305	58.6036465452657	32.7127193356651
305	64.3394109087762	14.5211988927752
305	78.6788218175523	-10.9576022144496
310	51.9283628290596	92.7018666706431
310	53.2139380484327	56.1697777844051
310	59.6418141452981	33.5093333532153
310	66.0696902421635	15.8488889220255
310	82.139380484327	-8.3022221559489
315	52.1213203435597	92.8786796564404
315	53.5355339059327	56.4644660940673
315	60.6066017177982	34.3933982822018
315	67.6776695296637	17.3223304703363
315	85.3553390593274	-5.35533905932738



Sheet1

320	52.2981333293569	93.0716371709404
320	53.8302222155949	56.7860619515673
320	61.4906666467847	35.3581858547019
320	69.1511110779745	18.9303097578365
320	88.3022221559489	-2.13938048432698
325	52.457456132867	93.2792706909469
325	54.095760221445	57.1321178182448
325	62.2872806643349	36.3963534547343
325	70.4788011072248	20.6605890912238
325	90.9576022144496	1.32117818244767
330	52.5980762113533	93.5
330	54.3301270189222	57.5
330	62.9903810567666	37.5
330	71.650635094611	22.5
330	93.3012701892219	4.99999999999998
335	52.71892336111	93.7321452147779
335	54.5315389351832	57.8869086912965
335	63.5946168055497	38.6607260738895
335	72.6576946759163	24.4345434564825
335	95.3153893518325	8.869086912965
340	52.8190778623577	93.973939570023
340	54.6984631039295	58.2898992833717
340	64.0953893117886	39.869697850115
340	73.4923155196477	26.4494964168583
340	96.9846310392954	12.8989928337166
345	52.8977774788672	94.2235428646924
345	54.8296291314454	58.7059047744874
345	64.488887394336	41.1177143234622
345	74.1481456572267	28.529523872437
345	98.2962913144534	17.059047744874
350	52.9544232590366	94.4790554669992
350	54.924038765061	59.1317591116654
350	64.7721162951831	42.395277334996
350	74.6201938253052	30.6587955583267
350	99.2403876506104	21.3175911166534
355	52.9885840942752	94.738532771757
355	54.9809734904587	59.5642212862617
355	64.9429204713762	43.6926638587851
355	74.9048674522936	32.8211064313085
355	99.8097349045873	25.6422128626171
360	53	95

Sheet1

360	55	60
360	65	45
360	75	35
360	100	30

365	52.9885840942752	95.261467228243
365	54.9809734904587	60.4357787137383
365	64.9429204713762	46.3073361412149
365	74.9048674522936	37.1788935686915
365	99.8097349045873	34.3577871373829

Sheet1

Center	
X	Y
50	95
50	60
50	45
50	35
50	30

Degrees Increment

\c /C{right 3}{end}{down}{left}{end}{up}~{right 3}{end}{down}{end}{left}{end}{up}{down 2}~/XG\c~

Starting  
Radius Degree

3	0
5	0
15	0
25	0
50	0

5