

T	Angulo objetivo	Angulo real
0.02	-7.110568	0
0.04	-8.475047	0
0.06	-9.77575	-4.12526
0.08	-11.00288	-6.959479
0.1	-12.14721	-8.748958
0.12	-13.20013	-8.81628
0.14	-14.1537	-9.444481
0.16	-15.00076	-10.85391
0.18	-15.73493	-12.43679
0.2	-16.3507	-13.90581
0.22	-16.8434	-14.99165
0.24	-17.20936	-15.6423
0.26	-17.4458	-15.92505
0.28	-17.55095	-15.90282
0.3	-17.52402	-15.7925
0.32	-17.36522	-15.71002
0.34	-17.07573	-15.70492
0.36	-16.65774	-15.77248
0.38	-16.11438	-15.79419
0.4	-15.44976	-15.77731
0.42	-14.66887	-15.6839
0.44	-13.77758	-15.43679
0.46	-12.78261	-15.02118
0.48	-11.69145	-14.38905
0.5	-10.51229	-13.58866
0.52	-9.254034	-12.63179
0.54	-7.926134	-11.60264
0.56	-6.538584	-10.51346
0.58	-5.101827	-9.414631
0.6	-3.626677	-8.278821
0.62	-2.124234	-7.146275
0.64	-0.6058045	-5.948903
0.66	0	-4.747883
0.68	0	-4.151099
0.7	0	-3.97823
0.72	0	-4.047431
0.74	0	-4.301929
0.76	-36.72603	-4.562096
0.78	-39.77193	-4.888682
0.8	-42.5694	-13.41357
0.82	-45.02316	-31.52947
0.84	-47.04959	-38.54952
0.86	-48.57965	-42.82819
0.88	-49.56122	-45.77833
0.9	-49.96086	-47.69279
0.92	-49.76494	-48.79393
0.94	-48.98014	-49.34621
0.96	-47.63321	-49.44225
0.98	-45.77002	-49.00072
1	-43.45407	-62.58268
1.02	-40.76425	-53.04684
1.04	-37.79219	-55.88567

1.06	-34.63917	-54.79036
1.08	-31.41261	-51.90534
1.1	-28.22243	-48.30179
1.12	-25.17733	-44.77898
1.14	-22.38104	-41.00557
1.16	-19.92884	-37.11351
1.18	-17.90427	-32.65406
1.2	-16.37631	-28.13018
1.22	-15.39702	-24.05434
1.24	-14.99976	-20.73507
1.26	-15.19806	-18.4658
1.28	-15.98518	-17.3323
1.3	-17.33428	-17.15682
1.32	-19.19942	-17.71282
1.34	-21.51704	-18.96327
1.36	-24.20818	-21.39292
1.38	-27.18116	-24.90272
1.4	-30.33468	-25.94224
1.42	-35.0326	-29.9836
1.44	-38.16909	-31.21387
1.46	-41.11176	-34.30758
1.48	-43.76038	-37.37915
1.5	-46.02468	-40.35838
1.52	-47.82755	-42.99585
1.54	-49.10754	-45.89955
1.56	-49.82105	-49.37152
1.58	-49.94377	-51.23682
1.6	-49.47152	-53.86143
1.62	-48.4204	-56.28359
1.64	-46.8262	-60.32502
1.66	-44.74325	-66.27558
1.68	-42.24252	-54.93199
1.7	-39.40919	-61.15834
1.72	-36.3398	-60.59203
1.74	-33.13893	-56.0142
1.76	-29.91562	-50.66442
1.78	-26.77971	-45.7525
1.8	-23.83801	-41.42909
1.82	-21.19077	-37.42797
1.84	-18.92816	-33.85123
1.86	-17.12728	-30.41932
1.88	-15.84948	-26.94769
1.9	-15.13829	-23.4405
1.92	-15.01796	-20.54745
1.94	-15.49257	-18.2723
1.96	-16.54596	-17.13825
1.98	-18.14223	-17.29328
2	-20.227	-18.72947
2.02	-22.72925	-21.56595
2.04	-25.56374	-22.75995
2.06	-28.63387	-26.61301
2.08	-31.83505	-27.71683
2.1	-36.51084	-32.66435

2.12	-39.57003	-33.79265
2.14	-42.38769	-35.9401
2.16	-44.86781	-38.80372
2.18	-46.9259	-41.52388
2.2	-48.49184	-43.91569
2.22	-49.51227	-45.81347
2.24	-49.95244	-48.55031
2.26	-49.79734	-50.06259
2.28	-49.05226	-53.25467
2.3	-47.74258	-56.70937
2.32	-45.91293	-61.40078
2.34	-43.62564	-62.18504
2.36	-40.95864	-67.20081
2.38	-38.00279	-53.62308
2.4	-34.8588	-56.05339
2.42	-31.63377	-54.595
2.44	-28.4376	-51.13844
2.46	-25.37917	-47.2524
2.48	-22.56268	-43.53691
2.5	-20.08409	-39.49657
2.52	-18.02784	-35.27842
2.54	-16.46399	-30.73166
2.56	-15.44582	-26.31561
2.58	-15.00802	-22.39142
2.6	-15.1655	-19.30233
2.62	-15.91291	-17.44925
2.64	-17.22477	-16.90855
2.66	-19.05639	-17.67474
2.68	-21.34536	-19.43572
2.7	-24.01371	-21.95748
2.72	-26.97052	-25.02213
2.74	-30.11506	-28.1623
2.76	-34.81329	-32.49382
2.78	-37.9592	-35.11734
2.8	-40.91845	-35.79567
2.82	-43.59022	-37.48372
2.84	-45.88348	-40.1813
2.86	-47.72011	-43.02148
2.88	-49.03753	-46.62593
2.9	-49.79085	-48.66714
2.92	-49.95441	-51.12791
2.94	-49.52264	-52.93806
2.96	-48.51025	-55.34729
2.98	-46.95173	-58.18907
3	-44.90018	-62.61491
3.02	-42.42549	-62.96072
3.04	-39.61198	-62.17943
3.06	-36.5555	-60.53991
3.08	-33.36019	-58.12513
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3.12	-26.98954	-47.12587
3.14	-24.03125	-42.72361
3.16	-21.36082	-38.94652

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3.2	-17.23457	-31.5972
3.22	-15.91933	-28.07192
3.24	-15.16833	-24.30176
3.26	-15.00715	-20.79435
3.28	-15.44129	-18.02086
3.3	-16.45595	-16.36052
3.32	-18.01657	-16.09016
3.34	-20.06996	-17.43677
3.36	-22.54618	-20.14276
3.38	-25.36086	-22.69647
3.4	-28.41811	-26.4145
3.42	-31.61376	-28.20496
3.44	-36.29497	-32.2241
3.46	-39.36697	-33.32606
3.48	-42.20436	-35.82136
3.5	-44.71045	-38.79092
3.52	-46.79988	-41.57179
3.54	-48.40144	-43.88816
3.56	-49.46058	-47.27673
3.58	-49.94122	-48.43966
3.6	-49.82696	-50.6792
3.62	-49.12172	-52.50808
3.64	-47.84952	-55.79602
3.66	-46.0537	-59.32859
3.68	-43.79544	-59.51437
3.7	-41.15168	-66.8639
3.72	-38.21251	-53.23597
3.74	-35.07804	-57.17944
3.76	-31.85507	-55.97767
3.78	-28.65342	-52.13433
3.8	-25.58215	-48.09446
3.82	-22.74591	-44.26698
3.84	-20.24132	-40.72023
3.86	-18.15372	-36.66703
3.88	-16.55423	-32.51117
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3.92	-15.01908	-24.06957
3.94	-15.13571	-20.3297
3.96	-15.84328	-17.75538
3.98	-17.11768	-16.55179
4	-18.91548	-16.62253
4.02	-21.17545	-17.78856
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4.16	-43.41829	-37.05229
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4.22	-48.96487	-44.94857

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4.32	-47.07493	-58.81841
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4.38	-39.81362	-54.10757
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4.44	-30.35455	-53.8046
4.46	-27.20024	-49.62319
4.48	-24.22582	-45.66399
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4.56	-15.99184	-29.78936
4.58	-15.20114	-25.65013
4.6	-14.99915	-21.74607
4.62	-15.39275	-18.82287
4.64	-16.36852	-17.3175
4.66	-17.89323	-17.31935
4.68	-19.91492	-18.63758
4.7	-22.36472	-20.902
4.72	-25.15916	-23.40511
4.74	-28.20304	-27.67573
4.76	-31.39265	-30.80884
4.78	-36.07854	-33.46662
4.8	-39.16285	-34.9284
4.82	-42.0195	-36.22421
4.84	-44.55116	-38.59001
4.86	-46.67158	-41.39259
4.88	-48.30851	-44.32002
4.9	-49.40618	-47.07122
4.92	-49.92719	-48.37336
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4.98	-47.95398	-53.68847
5	-46.19226	-56.75766
5.02	-43.9634	-60.93336
5.04	-41.34331	-61.13583
5.06	-38.42127	-65.66848
5.08	-35.29683	-51.9068
5.1	-32.07644	-52.91909
5.12	-28.86981	-51.03401
5.14	-25.7862	-48.10495
5.16	-22.93067	-44.74068
5.18	-20.40049	-41.00481
5.2	-18.28188	-37.07109
5.22	-16.64701	-32.93457
5.24	-15.55159	-28.58327
5.26	-15.03293	-24.43506
5.28	-15.10871	-20.62124

5.3	-15.77634	-17.87449
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5.44	-34.37358	-28.93974
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5.48	-40.52777	-33.75322
5.5	-43.24457	-36.665
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	-27.62422	-51.13162
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	-15.27508	-26.361
	-14.99156	-22.42002
	-15.30388	-19.02784
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	-19.61085	-16.48329
	-22.00662	-18.08877
	-24.75923	-20.6626

-27.7749	-23.93571
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-44.22676	-37.91795
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-49.28922	-45.64812
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-49.89913	-48.77227
-49.31405	-49.55759
-48.15546	-51.50257
-46.46283	-58.83863
-44.29382	-58.87596
-41.72234	-66.46242
-38.83599	-53.66415
-35.73311	-58.03664
-32.51941	-56.84725
-29.30439	-52.92705
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-15.06905	-24.8019
-15.06306	-21.0207
-15.65049	-18.20417
-16.81131	-16.8232
-18.50597	-16.75926
-20.67681	-17.9675
-23.24981	-20.28113
-26.13732	-22.87246
-29.24093	-26.32864
-32.45494	-29.48936
-37.1116	-31.97343
-40.1324	-33.18997
-42.89251	-36.24958
-45.29784	-39.37934
-47.26648	-42.18789
-48.73135	-44.59622
-49.64251	-46.57418
-49.96895	-48.11366
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-47.42983	-58.11498
-45.50689	-63.1342
-43.14011	-62.58885
-40.41014	-67.61221
-37.41	-53.23526
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-16.22441	-30.72074
-15.31577	-26.54025
-14.99195	-22.46534
-15.26399	-19.13927
-16.12262	-17.17742
-17.53859	-16.73519
-19.46364	-17.60071
-21.83221	-19.63498
-24.56358	-22.28912
-27.56476	-25.2088
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-35.42885	-31.0386
-38.54706	-34.40565
-41.45858	-35.79615
-44.06419	-38.11159
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-48.01609	-43.4717
-49.22771	-45.57582
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-41.9062	-61.91032
-39.03798	-66.17274
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-32.73658	-53.86658
-29.51813	-52.38423
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-23.49021	-45.72168
-20.88616	-41.76769
-18.67713	-37.32135
-16.93839	-33.03549
-15.72921	-28.68439
-15.09077	-24.48251
-15.04482	-20.75668
-15.59292	-18.08214
-16.71641	-16.72871
-18.37701	-16.67388
-20.51813	-17.85208
-23.06683	-20.0148
-25.93627	-22.94074
-29.02867	-26.02917
-32.23869	-28.53884
-36.90271	-30.69489
-39.93736	-32.46527
-42.71796	-35.95616

-45.14973	-39.08595
-47.14986	-41.87863
-48.65017	-44.34147
-49.59957	-46.36482
-49.9657	-47.90884
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-47.54092	-52.04875
-45.65019	-58.06975
-43.31074	-58.63588
-40.60229	-65.65356
-37.61713	-52.90946
-34.45694	-56.82545
-31.22941	-55.69318
-28.04453	-52.53289
-25.01077	-48.97233
-22.23152	-45.18021
-19.80147	-41.45388
-17.80341	-36.98853
-16.30542	-32.40992
-15.35854	-27.75012
-14.99503	-23.35544
-15.22727	-19.66186
-16.04736	-17.28166
-17.42735	-16.2032
-19.32021	-16.36063
-21.66147	-17.65688
-24.37136	-20.02788
-27.35752	-23.13801
-30.51824	-26.57139
-35.21538	-29.147
-38.3437	-30.90942
-41.27224	-34.26495
-43.90123	-37.39359
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-47.91554	-42.9028
-49.16408	-45.27502
-49.8442	-47.23985
-49.9327	-48.73778
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0	47.76153
0	45.90783
0	43.9552
0	42.09151
0	40.11794
0	38.82606
0	37.2257
0	37.37028
0	39.50095
0	40.08256
0	41.52547
0	44.18851

















































































































