

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.01
Actual Amplitude:	0.01
Actual Power:	0.0001
Distortion 2H-34H:	0.00271783%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start:	4.9957	end:	5.0044	delta:	0.0087
P2 start:	14.9871	end:	15.013	delta:	0.0259
P3 start:	24.9789	end:	25.0211	delta:	0.0423
P4 start:	34.9713	end:	35.0287	delta:	0.0574
P5 start:	44.9646	end:	45.0353	delta:	0.0707
P6 start:	54.959	end:	55.0409	delta:	0.0819
P7 start:	64.9546	end:	65.0453	delta:	0.0906
P8 start:	74.9516	end:	75.0482	delta:	0.0966
P9 start:	84.9502	end:	85.0498	delta:	0.0996

H3: -5.0594e-06	H21: 1.26485e-05	H21f: 6.02309e-07
H5: -6.07128e-06	H23: -9.2389e-06	H23f: -4.01691e-07
H7: 1.08416e-06	H25: 1.21426e-06	H25f: 4.85702e-08
H9: -5.90263e-06	H27: -4.77832e-06	H27f: -1.76975e-07
H11: 1.17286e-05	H29: 2.61693e-06	H29f: 9.02389e-08
H13: -8.75665e-06	H31: -2.4481e-07	H31f: -7.89708e-09
H15: 3.54158e-06	H33: 1.01188e-05	H33f: 3.0663e-07
H17: 1.78567e-06	H35: 0.999915	H35f: 0.028569
H19: -5.59197e-06	H37: -0.999872	H37f: -0.0270236

c2sd = 0.0
c2ed = 0.0
c3sd = 0.0
c3ed = 0.0
c4sd = 0.0
c4ed = 0.0
c5sd = 0.0
c5ed = 0.0
varx = 0.0%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.02
Actual Amplitude:	0.02
Actual Power:	0.0004
Distortion 2H-34H:	0.00659113%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9913	end: 5.0087	delta: 0.0174
P2 start: 14.9742	end: 15.0259	delta: 0.0518
P3 start: 24.9578	end: 25.0423	delta: 0.0845
P4 start: 34.9426	end: 35.0573	delta: 0.1147
P5 start: 44.9293	end: 45.0707	delta: 0.1414
P6 start: 54.918	end: 55.0818	delta: 0.1638
P7 start: 64.9092	end: 65.0905	delta: 0.1813
P8 start: 74.9034	end: 75.0966	delta: 0.1932
P9 start: 84.9003	end: 85.0996	delta: 0.1992

H3: -4.42697e-05	H21: -7.5891e-06	H21f: -3.61386e-07
H5: -2.27673e-06	H23: 2.96965e-06	H23f: 1.29115e-07
H7: -1.62623e-06	H25: -1.51782e-07	H25f: -6.07128e-09
H9: -9.27556e-06	H27: -3.51347e-06	H27f: -1.30129e-07
H11: 3.44959e-07	H29: 7.98164e-06	H29f: 2.75229e-07
H13: 4.67021e-06	H31: 1.17509e-05	H31f: 3.7906e-07
H15: 1.51782e-06	H33: 4.42697e-05	H33f: 1.34151e-06
H17: -2.90171e-06	H35: 0.999547	H35f: 0.0285585
H19: 4.19397e-06	H37: -0.999452	H37f: -0.0270122

c2sd = 0.0
c2ed = 0.0
c3sd = 0.0
c3ed = 0.0
c4sd = -0.0001
c4ed = -0.0001
c5sd = 0.0
c5ed = 0.0
varx = 0.0001%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.03
 Actual Amplitude: 0.03
 Actual Power: 0.000900001
 Distortion 2H-34H: 0.01934888%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9869	end: 5.0131	delta: 0.0261
P2 start: 14.9612	end: 15.0388	delta: 0.0776
P3 start: 24.9367	end: 25.0634	delta: 0.1267
P4 start: 34.914	end: 35.086	delta: 0.172
P5 start: 44.8939	end: 45.106	delta: 0.2121
P6 start: 54.8771	end: 55.1228	delta: 0.2457
P7 start: 64.8639	end: 65.1358	delta: 0.2719
P8 start: 74.8551	end: 75.1449	delta: 0.2898
P9 start: 84.8506	end: 85.1495	delta: 0.2989

H3: -0.000129015	H21: 6.38448e-06	H21f: 3.04023e-07
H5: 7.08316e-06	H23: 0.0	H23f: 0.0
H7: -3.61386e-07	H25: -6.07128e-07	H25f: -2.42851e-08
H9: -6.74586e-06	H27: -8.52602e-06	H27f: -3.15779e-07
H11: -5.97929e-06	H29: 1.0206e-05	H29f: 3.51932e-07
H13: 6.03236e-06	H31: 1.52598e-05	H31f: 4.92251e-07
H15: -6.74586e-07	H33: 0.000141356	H33f: 4.28353e-06
H17: -1.36901e-05	H35: 0.998959	H35f: 0.0285417
H19: 2.13027e-06	H37: -0.998823	H37f: -0.0269952

c2sd = 0.0001
 c2ed = 0.0
 c3sd = 0.0001
 c3ed = 0.0
 c4sd = 0.0001
 c4ed = 0.0
 c5sd = 0.0
 c5ed = -0.0001
 varx = 0.0004%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 4/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.04
Actual Amplitude:	0.04
Actual Power:	0.0016
Distortion 2H-34H:	0.0347777%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9825	end: 5.0174	delta: 0.0348
P2 start: 14.9483	end: 15.0518	delta: 0.1034
P3 start: 24.9156	end: 25.0845	delta: 0.1689
P4 start: 34.8855	end: 35.1148	delta: 0.2293
P5 start: 44.8586	end: 45.1414	delta: 0.2828
P6 start: 54.8361	end: 55.1637	delta: 0.3276
P7 start: 64.8185	end: 65.1811	delta: 0.3626
P8 start: 74.8067	end: 75.1931	delta: 0.3864
P9 start: 84.8006	end: 85.1992	delta: 0.3986

H3: -0.00022957	H21: -1.47265e-05	H21f: -7.0126e-07
H5: -2.04906e-05	H23: 1.82303e-05	H23f: 7.92623e-07
H7: -2.71039e-06	H25: -9.2587e-06	H25f: -3.70348e-07
H9: 1.11728e-05	H27: -2.95132e-06	H27f: -1.09308e-07
H11: -8.62397e-07	H29: -5.03759e-06	H29f: -1.7371e-07
H13: 6.12965e-06	H31: 2.19717e-05	H31f: 7.08763e-07
H15: -2.02376e-06	H33: 0.000257282	H33f: 7.79642e-06
H17: -3.12492e-06	H35: 0.998139	H35f: 0.0285183
H19: 1.70755e-05	H37: -0.997907	H37f: -0.0269705

c2sd = 0.0001
c2ed = 0.0
c3sd = 0.0001
c3ed = 0.0
c4sd = 0.0002
c4ed = 0.0001
c5sd = 0.0001
c5ed = -0.0001
varx = 0.0007%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.05
 Actual Amplitude: 0.05
 Actual Power: 0.0025
 Distortion 2H-34H: 0.0532084%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9783	end: 5.0218	delta: 0.0435
P2 start: 14.9355	end: 15.0648	delta: 0.1293
P3 start: 24.8946	end: 25.1057	delta: 0.2111
P4 start: 34.857	end: 35.1436	delta: 0.2866
P5 start: 44.8233	end: 45.1768	delta: 0.3534
P6 start: 54.7949	end: 55.2044	delta: 0.4095
P7 start: 64.7732	end: 65.2264	delta: 0.4532
P8 start: 74.758	end: 75.2411	delta: 0.4831
P9 start: 84.7507	end: 85.249	delta: 0.4983

H3: -0.000368324	H21: 1.14921e-05	H21f: 5.47241e-07
H5: -4.85702e-05	H23: 8.18302e-06	H23f: 3.55784e-07
H7: -8.67325e-06	H25: -1.0564e-05	H25f: -4.22561e-07
H9: 6.40857e-06	H27: -1.12431e-06	H27f: -4.16411e-08
H11: 2.19394e-05	H29: -2.63787e-05	H29f: -9.09609e-07
H13: -2.32343e-05	H31: 6.41891e-05	H31f: 2.07061e-06
H15: -9.30929e-06	H33: 0.00037159	H33f: 1.12603e-05
H17: 1.3214e-05	H35: 0.997098	H35f: 0.0284885
H19: -2.20483e-05	H37: -0.996736	H37f: -0.0269388

c2sd = 0.0002
 c2ed = 0.0001
 c3sd = 0.0002
 c3ed = 0.0
 c4sd = 0.0004
 c4ed = 0.0002
 c5sd = 0.0001
 c5ed = 0.0
 varx = 0.001%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 6/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.06
Actual Amplitude: 0.0600001
Actual Power: 0.00360001
Distortion 2H-34H: 0.0249735%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total weighting events: 72
Delta Friendly: No

P1 start: 4.9741	end: 5.0263	delta: 0.0522
P2 start: 14.9232	end: 15.0783	delta: 0.1551
P3 start: 24.8729	end: 25.1263	delta: 0.2534
P4 start: 34.8265	end: 35.1705	delta: 0.344
P5 start: 44.7856	end: 45.2098	delta: 0.4242
P6 start: 54.7514	end: 55.2429	delta: 0.4915
P7 start: 64.7256	end: 65.2694	delta: 0.5438
P8 start: 74.7088	end: 75.2884	delta: 0.5796
P9 start: 84.7007	end: 85.2985	delta: 0.5979

H3: -0.000128593	H21: 1.20462e-07	H21f: 5.73627e-09
H5: -9.35987e-05	H23: 6.70919e-06	H23f: 2.91704e-07
H7: -7.75171e-05	H25: 2.77255e-05	H25f: 1.10902e-06
H9: 2.43132e-05	H27: -5.48101e-06	H27f: -2.03e-07
H11: -2.5182e-05	H29: 6.66008e-05	H29f: 2.29658e-06
H13: -1.18701e-05	H31: 9.19667e-05	H31f: 2.96667e-06
H15: 2.86699e-06	H33: 0.000126178	H33f: 3.82358e-06
H17: 2.6041e-06	H35: 0.996427	H35f: 0.0284694
H19: 4.72654e-06	H37: -0.994697	H37f: -0.0268837

c2sd = 0.0009
c2ed = 0.0006
c3sd = -0.0002
c3ed = -0.0005
c4sd = -0.0013
c4ed = -0.0017
c5sd = -0.0021
c5ed = -0.0025
varx = 0.0004%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.07
 Actual Amplitude: 0.07
 Actual Power: 0.0049
 Distortion 2H-34H: 0.0349419%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9699	end: 5.0308	delta: 0.0609
P2 start: 14.9108	end: 15.0917	delta: 0.1809
P3 start: 24.8521	end: 25.1477	delta: 0.2956
P4 start: 34.7972	end: 35.1985	delta: 0.4013
P5 start: 44.7496	end: 45.2445	delta: 0.4949
P6 start: 54.7095	end: 55.283	delta: 0.5734
P7 start: 64.6796	end: 65.3141	delta: 0.6345
P8 start: 74.6597	end: 75.336	delta: 0.6763
P9 start: 84.6504	end: 85.3479	delta: 0.6975

H3: -0.000171658	H21: -2.15283e-05	H21f: -1.02515e-06
H5: -0.000153517	H23: 2.81881e-05	H23f: 1.22557e-06
H7: -5.12651e-05	H25: 2.01653e-05	H25f: 8.06612e-07
H9: -3.95115e-05	H27: 2.29681e-05	H27f: 8.50669e-07
H11: -8.67325e-06	H29: 8.38539e-05	H29f: 2.89151e-06
H13: -2.4602e-05	H31: 0.000142444	H31f: 4.59497e-06
H15: 2.19e-05	H33: 0.000182894	H33f: 5.54224e-06
H17: 1.68363e-05	H35: 0.995095	H35f: 0.0284313
H19: -2.1512e-05	H37: -0.992828	H37f: -0.0268332

c2sd = 0.0018
 c2ed = 0.0007
 c3sd = 0.0008
 c3ed = -0.0009
 c4sd = -0.0011
 c4ed = -0.0032
 c5sd = -0.0017
 c5ed = -0.0042
 varx = 0.0006%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.08
 Actual Amplitude: 0.08
 Actual Power: 0.00639999
 Distortion 2H-34H: 0.0361128%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9659	end: 5.0355	delta: 0.0696
P2 start: 14.8989	end: 15.1057	delta: 0.2067
P3 start: 24.8303	end: 25.1681	delta: 0.3378
P4 start: 34.767	end: 35.2257	delta: 0.4587
P5 start: 44.7126	end: 45.2782	delta: 0.5655
P6 start: 54.6672	end: 55.3225	delta: 0.6553
P7 start: 64.6331	end: 65.3583	delta: 0.7252
P8 start: 74.6107	end: 75.3837	delta: 0.773
P9 start: 84.6	end: 85.3971	delta: 0.7972

H3: -0.000171703
 H5: -0.000129584
 H7: -7.08768e-05
 H9: -9.01206e-05
 H11: -2.64756e-05
 H13: -5.29778e-05
 H15: 3.69969e-05
 H17: -2.0312e-05
 H19: 1.85234e-05

H21: -4.09269e-05
 H23: 7.34576e-05
 H25: 2.55753e-05
 H27: 6.48587e-05
 H29: 9.76443e-05
 H31: 0.000145264
 H33: 0.000150977
H35: 0.993747
H37: -0.990494

H21f: -1.9489e-06
 H23f: 3.19381e-06
 H25f: 1.02301e-06
 H27f: 2.40217e-06
 H29f: 3.36704e-06
 H31f: 4.68594e-06
 H33f: 4.57507e-06
H35f: 0.0283928
H37f: -0.0267701

c2sd = 0.0028
 c2ed = 0.0018
 c3sd = 0.0
 c3ed = -0.0015
 c4sd = -0.0027
 c4ed = -0.0046
 c5sd = -0.0035
 c5ed = -0.0057
 varx = 0.0006%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.09
 Actual Amplitude: 0.09
 Actual Power: 0.00810001
 Distortion 2H-34H: 0.0346592%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9631	end: 5.0413	delta: 0.0782
P2 start: 14.8873	end: 15.1199	delta: 0.2326
P3 start: 24.8083	end: 25.1883	delta: 0.3801
P4 start: 34.7368	end: 35.2528	delta: 0.516
P5 start: 44.6753	end: 45.3115	delta: 0.6363
P6 start: 54.6245	end: 55.3617	delta: 0.7372
P7 start: 64.5864	end: 65.4022	delta: 0.8158
P8 start: 74.5613	end: 75.4309	delta: 0.8696
P9 start: 84.5501	end: 85.4469	delta: 0.8969

H3: -0.000118896	H21: 6.94663e-06	H21f: 3.30792e-07
H5: -0.000131207	H23: 6.59921e-05	H23f: 2.86922e-06
H7: -0.000103236	H25: 4.81655e-05	H25f: 1.92662e-06
H9: -0.000100064	H27: 0.000109277	H27f: 4.04729e-06
H11: -6.31658e-05	H29: 0.000113371	H29f: 3.90935e-06
H13: -5.76642e-05	H31: 0.000125016	H31f: 4.03278e-06
H15: -1.32106e-05	H33: 0.000115983	H33f: 3.51463e-06
H17: 3.86895e-06	H35: 0.992225	H35f: 0.0283493
H19: -1.02076e-06	H37: -0.987837	H37f: -0.0266983

c2sd = 0.0045
 c2ed = 0.0027
 c3sd = -0.0003
 c3ed = -0.0031
 c4sd = -0.0035
 c4ed = -0.007
 c5sd = -0.0045
 c5ed = -0.0087
 varx = 0.0005%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 10/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.1
Actual Amplitude: 0.1
Actual Power: 0.01
Distortion 2H-34H: 0.0326903%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 4.9605	end: 5.0474	delta: 0.0869
P2 start: 14.8745	end: 15.1329	delta: 0.2584
P3 start: 24.7852	end: 25.2075	delta: 0.4223
P4 start: 34.7061	end: 35.2794	delta: 0.5733
P5 start: 44.6378	end: 45.3447	delta: 0.7069
P6 start: 54.5816	end: 55.4007	delta: 0.8191
P7 start: 64.5395	end: 65.446	delta: 0.9065
P8 start: 74.512	end: 75.4783	delta: 0.9663
P9 start: 84.4998	end: 85.4964	delta: 0.9966

H3: -9.86582e-05	H21: 2.94891e-05	H21f: 1.40424e-06
H5: -9.38012e-05	H23: 8.71756e-05	H23f: 3.79024e-06
H7: -8.92261e-05	H25: 6.73305e-05	H25f: 2.69322e-06
H9: -0.000105657	H27: 0.000102903	H27f: 3.8112e-06
H11: -6.60251e-05	H29: 0.000110853	H29f: 3.82252e-06
H13: -9.15945e-05	H31: 9.24646e-05	H31f: 2.98273e-06
H15: -1.08271e-05	H33: 0.000106178	H33f: 3.21753e-06
H17: -1.64728e-05	H35: 0.990618	H35f: 0.0283034
H19: 1.91725e-05	H37: -0.984786	H37f: -0.0266159

c2sd = 0.0049
c2ed = 0.0026
c3sd = -0.0019
c3ed = -0.0053
c4sd = -0.005
c4ed = -0.0095
c5sd = -0.0061
c5ed = -0.0114
varx = 0.0004%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.11
 Actual Amplitude: 0.11
 Actual Power: 0.0121
 Distortion 2H-34H: 0.0431635%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9561	end: 5.0516	delta: 0.0955
P2 start: 14.8627	end: 15.1468	delta: 0.2841
P3 start: 24.7641	end: 25.2285	delta: 0.4644
P4 start: 34.676	end: 35.3065	delta: 0.6305
P5 start: 44.6008	end: 45.3784	delta: 0.7776
P6 start: 54.5387	end: 55.4397	delta: 0.9011
P7 start: 64.4925	end: 65.4898	delta: 0.9972
P8 start: 74.4625	end: 75.5254	delta: 1.063
P9 start: 84.4495	end: 85.5458	delta: 1.0963

H3: -0.000116596	H21: -2.49685e-06	H21f: -1.18898e-07
H5: -0.0001533	H23: 0.000111377	H23f: 4.84247e-06
H7: -0.000120539	H25: 9.58435e-05	H25f: 3.83374e-06
H9: -0.000146876	H27: 0.000143018	H27f: 5.29695e-06
H11: -8.81215e-05	H29: 0.000140482	H29f: 4.8442e-06
H13: -0.00010163	H31: 0.000152494	H31f: 4.91917e-06
H15: -2.22154e-05	H33: 9.72785e-05	H33f: 2.94783e-06
H17: 1.74509e-06	H35: 0.988622	H35f: 0.0282463
H19: -4.03058e-06	H37: -0.981632	H37f: -0.0265306

c2sd = 0.0062
 c2ed = 0.0033
 c3sd = -0.0016
 c3ed = -0.0059
 c4sd = -0.006
 c4ed = -0.0115
 c5sd = -0.0071
 c5ed = -0.0137
 varx = 0.0005%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.12
 Actual Amplitude: 0.12
 Actual Power: 0.0144001
 Distortion 2H-34H: 0.0408734%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9527	end: 5.0569	delta: 0.1042
P2 start: 14.8494	end: 15.1593	delta: 0.3099
P3 start: 24.7407	end: 25.2473	delta: 0.5066
P4 start: 34.6448	end: 35.3326	delta: 0.6879
P5 start: 44.5626	end: 45.4109	delta: 0.8483
P6 start: 54.4953	end: 55.4783	delta: 0.983
P7 start: 64.4451	end: 65.533	delta: 1.0879
P8 start: 74.4129	end: 75.5726	delta: 1.1597
P9 start: 84.3992	end: 85.5953	delta: 1.1961

H3: -8.20042e-05	H21: 4.0716e-05	H21f: 1.93886e-06
H5: -0.000120666	H23: 0.000107732	H23f: 4.684e-06
H7: -0.000131996	H25: 0.000116467	H25f: 4.65868e-06
H9: -0.000149955	H27: 0.000147402	H27f: 5.45932e-06
H11: -0.000104695	H29: 0.000121949	H29f: 4.20513e-06
H13: -0.000103766	H31: 0.000121425	H31f: 3.91695e-06
H15: -2.14602e-05	H33: 6.6347e-05	H33f: 2.01051e-06
H17: -1.6071e-05	H35: 0.986757	H35f: 0.0281931
H19: 2.91248e-05	H37: -0.977866	H37f: -0.0264288

c2sd = 0.0062
 c2ed = 0.0025
 c3sd = -0.0034
 c3ed = -0.0087
 c4sd = -0.0078
 c4ed = -0.0148
 c5sd = -0.0091
 c5ed = -0.0174
 varx = 0.0004%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.13
 Actual Amplitude: 0.13
 Actual Power: 0.0169
 Distortion 2H-34H: 0.0436799%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9505	end: 5.0633	delta: 0.1129
P2 start: 14.8361	end: 15.1717	delta: 0.3356
P3 start: 24.7185	end: 25.2672	delta: 0.5487
P4 start: 34.6143	end: 35.3594	delta: 0.745
P5 start: 44.5251	end: 45.444	delta: 0.9189
P6 start: 54.4522	end: 55.5171	delta: 1.0649
P7 start: 64.3979	end: 65.5765	delta: 1.1786
P8 start: 74.3631	end: 75.6196	delta: 1.2565
P9 start: 84.3488	end: 85.6447	delta: 1.2959

H3: -0.000118701	H21: 3.35811e-05	H21f: 1.5991e-06
H5: -0.000147229	H23: 9.88361e-05	H23f: 4.29722e-06
H7: -0.000113753	H25: 0.000103515	H25f: 4.14062e-06
H9: -0.000161836	H27: 0.000157706	H27f: 5.84098e-06
H11: -9.47312e-05	H29: 0.000128592	H29f: 4.43421e-06
H13: -0.000100275	H31: 0.00015069	H31f: 4.86097e-06
H15: -3.41705e-05	H33: 9.81454e-05	H33f: 2.9741e-06
H17: -3.46833e-06	H35: 0.984468	H35f: 0.0281277
H19: 1.81278e-05	H37: -0.974045	H37f: -0.0263255

c2sd = 0.0063
 c2ed = 0.0015
 c3sd = -0.0036
 c3ed = -0.0107
 c4sd = -0.0085
 c4ed = -0.0178
 c5sd = -0.0099
 c5ed = -0.0209
 varx = 0.0005%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 14/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.14
Actual Amplitude:	0.14
Actual Power:	0.0196
Distortion 2H-34H:	0.0348145%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9494	end: 5.071	delta: 0.1216
P2 start: 14.821	end: 15.1824	delta: 0.3614
P3 start: 24.6948	end: 25.2856	delta: 0.5908
P4 start: 34.5828	end: 35.3851	delta: 0.8023
P5 start: 44.4865	end: 45.476	delta: 0.9895
P6 start: 54.4084	end: 55.5552	delta: 1.1468
P7 start: 64.3503	end: 65.6196	delta: 1.2693
P8 start: 74.3132	end: 75.6664	delta: 1.3532
P9 start: 84.2984	end: 85.6942	delta: 1.3958

H3: -9.30568e-05	H21: 4.06817e-05	H21f: 1.93722e-06
H5: -0.000106898	H23: 8.93723e-05	H23f: 3.88575e-06
H7: -0.000106557	H25: 6.24474e-05	H25f: 2.4979e-06
H9: -0.000137206	H27: 0.000134877	H27f: 4.99545e-06
H11: -6.49016e-05	H29: 9.66395e-05	H29f: 3.3324e-06
H13: -6.76347e-05	H31: 0.00010985	H31f: 3.54354e-06
H15: -4.17401e-05	H33: 8.26752e-05	H33f: 2.50531e-06
H17: -1.35201e-05	H35: 0.982288	H35f: 0.0280654
H19: 1.58629e-05	H37: -0.969632	H37f: -0.0262063

c2sd = 0.0024
c2ed = 0.001
c3sd = -0.0089
c3ed = -0.0107
c4sd = -0.015
c4ed = -0.017
c5sd = -0.0177
c5ed = -0.0198
varx = 0.0004%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 15/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.15
Actual Amplitude: 0.15
Actual Power: 0.0225
Distortion 2H-34H: 0.0272569%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 4.9503	end: 5.0806	delta: 0.1303
P2 start: 14.8069	end: 15.1942	delta: 0.3873
P3 start: 24.6714	end: 25.3043	delta: 0.6329
P4 start: 34.5513	end: 35.4108	delta: 0.8595
P5 start: 44.4483	end: 45.5084	delta: 1.0601
P6 start: 54.3644	end: 55.5931	delta: 1.2287
P7 start: 64.3025	end: 65.6625	delta: 1.36
P8 start: 74.2634	end: 75.7134	delta: 1.45
P9 start: 84.2481	end: 85.7438	delta: 1.4957

H3: -6.89764e-05	H21: 2.38514e-05	H21f: 1.13578e-06
H5: -7.22482e-05	H23: 6.62781e-05	H23f: 2.88166e-06
H7: -8.31909e-05	H25: 8.0667e-05	H25f: 3.22668e-06
H9: -8.24119e-05	H27: 9.05257e-05	H27f: 3.3528e-06
H11: -6.66e-05	H29: 9.87454e-05	H29f: 3.40501e-06
H13: -7.11429e-05	H31: 7.29206e-05	H31f: 2.35228e-06
H15: -3.50785e-05	H33: 7.15061e-05	H33f: 2.16685e-06
H17: -3.80943e-06	H35: 0.979799	H35f: 0.0279943
H19: 4.15403e-06	H37: -0.965055	H37f: -0.0260826

c2sd = 0.0058
c2ed = -0.0047
c3sd = -0.0038
c3ed = -0.0205
c4sd = -0.0078
c4ed = -0.03
c5sd = -0.0083
c5ed = -0.0351
varx = 0.0003%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 16/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.16
Actual Amplitude:	0.16
Actual Power:	0.0256
Distortion 2H-34H:	0.0261061%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9561	end: 5.0951	delta: 0.1389
P2 start: 14.7956	end: 15.2087	delta: 0.413
P3 start: 24.6496	end: 25.3246	delta: 0.675
P4 start: 34.5208	end: 35.4374	delta: 0.9166
P5 start: 44.4105	end: 45.5412	delta: 1.1307
P6 start: 54.3209	end: 55.6315	delta: 1.3106
P7 start: 64.2548	end: 65.7055	delta: 1.4508
P8 start: 74.2134	end: 75.7602	delta: 1.5468
P9 start: 84.1976	end: 85.7931	delta: 1.5955

H3: -5.40723e-05	H21: 2.88431e-05	H21f: 1.37348e-06
H5: -8.68951e-05	H23: 6.36411e-05	H23f: 2.76701e-06
H7: -6.50494e-05	H25: 8.42579e-05	H25f: 3.37032e-06
H9: -8.70111e-05	H27: 9.56542e-05	H27f: 3.54275e-06
H11: -6.13595e-05	H29: 6.89724e-05	H29f: 2.37836e-06
H13: -6.39965e-05	H31: 8.6433e-05	H31f: 2.78816e-06
H15: -2.67516e-05	H33: 6.16326e-05	H33f: 1.86766e-06
H17: -1.11046e-05	H35: 0.976725	H35f: 0.0279064
H19: 4.31879e-06	H37: -0.960594	H37f: -0.025962

c2sd = 0.008
c2ed = -0.0038
c3sd = -0.0035
c3ed = -0.0222
c4sd = -0.0085
c4ed = -0.0333
c5sd = -0.0092
c5ed = -0.0392
varx = 0.0003%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.17
 Actual Amplitude: 0.17
 Actual Power: 0.0289001
 Distortion 2H-34H: 0.0208352%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9438	end: 5.0914	delta: 0.1476
P2 start: 14.7772	end: 15.216	delta: 0.4388
P3 start: 24.6238	end: 25.3409	delta: 0.7171
P4 start: 34.4874	end: 35.4612	delta: 0.9738
P5 start: 44.3706	end: 45.5718	delta: 1.2013
P6 start: 54.2759	end: 55.6684	delta: 1.3925
P7 start: 64.2061	end: 65.7477	delta: 1.5416
P8 start: 74.1629	end: 75.8065	delta: 1.6437
P9 start: 84.1468	end: 85.8423	delta: 1.6955

H3: -4.64274e-05	H21: 1.47105e-05	H21f: 7.005e-07
H5: -6.27662e-05	H23: 5.75684e-05	H23f: 2.50297e-06
H7: -4.47693e-05	H25: 6.0552e-05	H25f: 2.42208e-06
H9: -7.67837e-05	H27: 8.5183e-05	H27f: 3.15493e-06
H11: -4.87812e-05	H29: 5.41396e-05	H29f: 1.86688e-06
H13: -5.05825e-05	H31: 6.86906e-05	H31f: 2.21583e-06
H15: -1.744e-05	H33: 4.29913e-05	H33f: 1.30277e-06
H17: -1.02413e-05	H35: 0.974582	H35f: 0.0278452
H19: 1.08315e-05	H37: -0.95471	H37f: -0.025803

c2sd = 0.003
 c2ed = -0.0098
 c3sd = -0.0075
 c3ed = -0.0279
 c4sd = -0.0121
 c4ed = -0.0392
 c5sd = -0.0125
 c5ed = -0.0451
 varx = 0.0002%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.18
 Actual Amplitude: 0.18
 Actual Power: 0.0324
 Distortion 2H-34H: 0.0297065%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9488	end: 5.105	delta: 0.1562
P2 start: 14.7675	end: 15.2318	delta: 0.4643
P3 start: 24.603	end: 25.362	delta: 0.759
P4 start: 34.4572	end: 35.4881	delta: 1.0309
P5 start: 44.3328	end: 45.6046	delta: 1.2718
P6 start: 54.2322	end: 55.7066	delta: 1.4744
P7 start: 64.1583	end: 65.7906	delta: 1.6323
P8 start: 74.1129	end: 75.8534	delta: 1.7405
P9 start: 84.0963	end: 85.8918	delta: 1.7955

H3: -7.74369e-05	H21: 2.57186e-05	H21f: 1.2247e-06
H5: -0.000101357	H23: 5.99246e-05	H23f: 2.60542e-06
H7: -8.84793e-05	H25: 8.52678e-05	H25f: 3.41071e-06
H9: -8.8071e-05	H27: 0.000102515	H27f: 3.79686e-06
H11: -7.21348e-05	H29: 8.56318e-05	H29f: 2.95282e-06
H13: -5.69182e-05	H31: 0.000107907	H31f: 3.48086e-06
H15: -1.07091e-05	H33: 8.09632e-05	H33f: 2.45343e-06
H17: -1.4211e-05	H35: 0.97095	H35f: 0.0277414
H19: 8.29919e-06	H37: -0.949872	H37f: -0.0256722

c2sd = 0.008
 c2ed = -0.0087
 c3sd = -0.0043
 c3ed = -0.0307
 c4sd = -0.0098
 c4ed = -0.0448
 c5sd = -0.0102
 c5ed = -0.0524
 varx = 0.0004%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 19/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.19
Actual Amplitude: 0.19
Actual Power: 0.0361
Distortion 2H-34H: 0.0134704%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 4.9551	end: 5.1201	delta: 0.165
P2 start: 14.7529	end: 15.2431	delta: 0.4902
P3 start: 24.5789	end: 25.38	delta: 0.8011
P4 start: 34.4251	end: 35.5131	delta: 1.088
P5 start: 44.2935	end: 45.6359	delta: 1.3424
P6 start: 54.1874	end: 55.7437	delta: 1.5563
P7 start: 64.1099	end: 65.833	delta: 1.7231
P8 start: 74.0624	end: 75.8998	delta: 1.8374
P9 start: 84.0457	end: 85.9411	delta: 1.8955

H3: -3.10221e-05	H21: 1.55776e-05	H21f: 7.41792e-07
H5: -4.00225e-05	H23: 3.13984e-05	H23f: 1.36515e-06
H7: -3.4693e-05	H25: 4.71643e-05	H25f: 1.88657e-06
H9: -4.31824e-05	H27: 4.60376e-05	H27f: 1.7051e-06
H11: -3.03927e-05	H29: 4.56723e-05	H29f: 1.57491e-06
H13: -3.28144e-05	H31: 3.78166e-05	H31f: 1.21989e-06
H15: -1.95719e-05	H33: 3.22446e-05	H33f: 9.77109e-07
H17: -8.92835e-07	H35: 0.967754	H35f: 0.0276501
H19: -2.94314e-07	H37: -0.944123	H37f: -0.0255168

c2sd = 0.0068
c2ed = -0.0108
c3sd = -0.0065
c3ed = -0.0345
c4sd = -0.0123
c4ed = -0.0496
c5sd = -0.0129
c5ed = -0.0578
varx = 0.0001%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 20/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.2
Actual Amplitude: 0.2
Actual Power: 0.04
Distortion 2H-34H: 0.010431%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 4.957	end: 5.1306	delta: 0.1736
P2 start: 14.7396	end: 15.2555	delta: 0.5159
P3 start: 24.5556	end: 25.3986	delta: 0.8431
P4 start: 34.3931	end: 35.5381	delta: 1.1451
P5 start: 44.2543	end: 45.6672	delta: 1.4129
P6 start: 54.1426	end: 55.7808	delta: 1.6382
P7 start: 64.0613	end: 65.8751	delta: 1.8139
P8 start: 74.0118	end: 75.9461	delta: 1.9343
P9 start: 83.9948	end: 85.9904	delta: 1.9956

H3: -1.80874e-05	H21: 1.12572e-05	H21f: 5.36055e-07
H5: -2.7852e-05	H23: 3.10658e-05	H23f: 1.35069e-06
H7: -3.20368e-05	H25: 3.13126e-05	H25f: 1.2525e-06
H9: -3.79455e-05	H27: 4.2246e-05	H27f: 1.56467e-06
H11: -2.71828e-05	H29: 2.28981e-05	H29f: 7.89591e-07
H13: -2.78753e-05	H31: 3.42611e-05	H31f: 1.1052e-06
H15: -1.10801e-05	H33: 1.02798e-05	H33f: 3.11509e-07
H17: -8.70514e-07	H35: 0.964304	H35f: 0.0275516
H19: 3.33521e-06	H37: -0.938164	H37f: -0.0253558

c2sd = 0.0078
c2ed = -0.0128
c3sd = -0.0064
c3ed = -0.0393
c4sd = -0.0125
c4ed = -0.0563
c5sd = -0.0129
c5ed = -0.0657
varx = 0.0001%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.21
Actual Amplitude:	0.209999
Actual Power:	0.0440998
Distortion 2H-34H:	0.00944425%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9519	end: 5.1342	delta: 0.1823
P2 start: 14.7242	end: 15.2657	delta: 0.5415
P3 start: 24.531	end: 25.4159	delta: 0.885
P4 start: 34.3602	end: 35.5623	delta: 1.2021
P5 start: 44.2144	end: 45.6978	delta: 1.4834
P6 start: 54.0973	end: 55.8174	delta: 1.7201
P7 start: 64.0123	end: 65.917	delta: 1.9047
P8 start: 73.9609	end: 75.9923	delta: 2.0314
P9 start: 83.9439	end: 86.0396	delta: 2.0957

H3: -1.9033e-05	H21: 1.05663e-05	H21f: 5.03155e-07
H5: -2.93446e-05	H23: 3.42689e-05	H23f: 1.48995e-06
H7: -2.23027e-05	H25: 2.45165e-05	H25f: 9.80659e-07
H9: -3.51348e-05	H27: 3.43987e-05	H27f: 1.27402e-06
H11: -1.96463e-05	H29: 2.11598e-05	H29f: 7.29649e-07
H13: -3.15796e-05	H31: 2.56235e-05	H31f: 8.26564e-07
H15: -7.42047e-06	H33: 1.66676e-05	H33f: 5.05079e-07
H17: -1.0629e-06	H35: 0.961013	H35f: 0.0274575
H19: 8.5021e-06	H37: -0.931582	H37f: -0.0251779

c2sd = 0.0068
c2ed = -0.0169
c3sd = -0.0076
c3ed = -0.0456
c4sd = -0.0135
c4ed = -0.064
c5sd = -0.0135
c5ed = -0.0744
varx = 0.0001%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 22/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.22
Actual Amplitude: 0.22
Actual Power: 0.0484
Distortion 2H-34H: 0.00850006%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 4.9579	end: 5.1488	delta: 0.1909
P2 start: 14.7125	end: 15.2797	delta: 0.5671
P3 start: 24.5085	end: 25.4353	delta: 0.9269
P4 start: 34.3285	end: 35.5876	delta: 1.2591
P5 start: 44.1752	end: 45.7291	delta: 1.5538
P6 start: 54.0524	end: 55.8544	delta: 1.802
P7 start: 63.9635	end: 65.9591	delta: 1.9956
P8 start: 73.9102	end: 76.0386	delta: 2.1284
P9 start: 83.8931	end: 86.089	delta: 2.1958

H3: -1.23035e-05	H21: 1.36505e-05	H21f: 6.50025e-07
H5: -2.73898e-05	H23: 2.16424e-05	H23f: 9.40976e-07
H7: -2.33587e-05	H25: 2.60789e-05	H25f: 1.04316e-06
H9: -3.39976e-05	H27: 3.21451e-05	H27f: 1.19056e-06
H11: -2.03839e-05	H29: 2.49322e-05	H29f: 8.59732e-07
H13: -2.08302e-05	H31: 2.38356e-05	H31f: 7.68889e-07
H15: -8.417e-06	H33: 1.1875e-05	H33f: 3.59847e-07
H17: 7.50793e-07	H35: 0.95696	H35f: 0.0273417
H19: 1.52508e-06	H37: -0.92532	H37f: -0.0250086

c2sd = 0.0086
c2ed = -0.0164
c3sd = -0.0081
c3ed = -0.0481
c4sd = -0.0154
c4ed = -0.0685
c5sd = -0.016
c5ed = -0.0798
varx = 0.0001%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.23
 Actual Amplitude: 0.23
 Actual Power: 0.0528999
 Distortion 2H-34H: 0.0115152%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9597	end: 5.1592	delta: 0.1995
P2 start: 14.7001	end: 15.2928	delta: 0.5926
P3 start: 24.4855	end: 25.4541	delta: 0.9687
P4 start: 34.2964	end: 35.6124	delta: 1.316
P5 start: 44.1357	end: 45.76	delta: 1.6243
P6 start: 54.0072	end: 55.891	delta: 1.8839
P7 start: 63.9145	end: 66.0009	delta: 2.0864
P8 start: 73.8593	end: 76.0847	delta: 2.2254
P9 start: 83.8422	end: 86.1383	delta: 2.2961

H3: -2.73868e-05	H21: 1.05273e-05	H21f: 5.01302e-07
H5: -3.66257e-05	H23: 2.79032e-05	H23f: 1.21318e-06
H7: -3.43631e-05	H25: 3.53323e-05	H25f: 1.41329e-06
H9: -3.4096e-05	H27: 4.04508e-05	H27f: 1.49818e-06
H11: -2.60069e-05	H29: 3.6876e-05	H29f: 1.27159e-06
H13: -2.72345e-05	H31: 3.79136e-05	H31f: 1.22302e-06
H15: -5.45536e-06	H33: 2.78167e-05	H33f: 8.42931e-07
H17: 3.76544e-06	H35: 0.952875	H35f: 0.027225
H19: -4.25476e-06	H37: -0.918634	H37f: -0.0248279

c2sd = 0.0105
 c2ed = -0.0175
 c3sd = -0.0078
 c3ed = -0.0526
 c4sd = -0.0159
 c4ed = -0.0753
 c5sd = -0.0164
 c5ed = -0.0878
 varx = 0.0001%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 24/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.24
Actual Amplitude: 0.239999
Actual Power: 0.0575997
Distortion 2H-34H: 0.0109603%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 4.9658	end: 5.1739	delta: 0.2081
P2 start: 14.6886	end: 15.3068	delta: 0.6182
P3 start: 24.4626	end: 25.4731	delta: 1.0105
P4 start: 34.2644	end: 35.6373	delta: 1.373
P5 start: 44.0961	end: 45.7908	delta: 1.6947
P6 start: 53.9619	end: 55.9276	delta: 1.9657
P7 start: 63.8653	end: 66.0426	delta: 2.1773
P8 start: 73.8083	end: 76.1308	delta: 2.3225
P9 start: 83.7912	end: 86.1875	delta: 2.3964

H3: -2.19241e-05	H21: 1.57956e-05	H21f: 7.52172e-07
H5: -3.01035e-05	H23: 2.71943e-05	H23f: 1.18236e-06
H7: -3.55514e-05	H25: 3.52262e-05	H25f: 1.40905e-06
H9: -4.06861e-05	H27: 3.68447e-05	H27f: 1.36462e-06
H11: -2.92066e-05	H29: 3.65063e-05	H29f: 1.25884e-06
H13: -2.17214e-05	H31: 3.02341e-05	H31f: 9.75293e-07
H15: -1.21426e-05	H33: 1.82637e-05	H33f: 5.53446e-07
H17: -2.2693e-06	H35: 0.948504	H35f: 0.0271001
H19: 7.83876e-06	H37: -0.911794	H37f: -0.0246431

c2sd = 0.0128
c2ed = -0.0174
c3sd = -0.008
c3ed = -0.0563
c4sd = -0.0171
c4ed = -0.0811
c5sd = -0.0182
c5ed = -0.095
varx = 0.0001%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 25/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.25
Actual Amplitude:	0.25
Actual Power:	0.0624998
Distortion 2H-34H:	0.00773618%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9585	end: 5.1752	delta: 0.2167
P2 start: 14.6716	end: 15.3153	delta: 0.6438
P3 start: 24.4367	end: 25.489	delta: 1.0523
P4 start: 34.2302	end: 35.6601	delta: 1.4298
P5 start: 44.055	end: 45.8201	delta: 1.7651
P6 start: 53.9154	end: 55.963	delta: 2.0476
P7 start: 63.8153	end: 66.0836	delta: 2.2683
P8 start: 73.7567	end: 76.1765	delta: 2.4197
P9 start: 83.74	end: 86.2367	delta: 2.4968

H3: -1.93269e-05	H21: 9.03465e-06	H21f: 4.30222e-07
H5: -1.85174e-05	H23: 1.76463e-05	H23f: 7.67232e-07
H7: -2.25939e-05	H25: 2.49651e-05	H25f: 9.98605e-07
H9: -2.65787e-05	H27: 2.36555e-05	H27f: 8.76131e-07
H11: -2.34297e-05	H29: 2.52272e-05	H29f: 8.69905e-07
H13: -1.9755e-05	H31: 2.40697e-05	H31f: 7.76443e-07
H15: -8.3379e-06	H33: 1.57486e-05	H33f: 4.77229e-07
H17: -1.30354e-06	H35: 0.944755	H35f: 0.026993
H19: -1.19828e-06	H37: -0.903855	H37f: -0.0244285

c2sd = 0.0111
c2ed = -0.0242
c3sd = -0.0089
c3ed = -0.0654
c4sd = -0.0173
c4ed = -0.0924
c5sd = -0.0174
c5ed = -0.1075
varx = 0.0001%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 26/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.26
Actual Amplitude:	0.26
Actual Power:	0.0676
Distortion 2H-34H:	0.00731528%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9652	end: 5.1904	delta: 0.2253
P2 start: 14.6598	end: 15.3291	delta: 0.6692
P3 start: 24.4137	end: 25.5077	delta: 1.094
P4 start: 34.1979	end: 35.6846	delta: 1.4867
P5 start: 44.015	end: 45.8505	delta: 1.8355
P6 start: 53.8696	end: 55.9991	delta: 2.1295
P7 start: 63.7658	end: 66.125	delta: 2.3592
P8 start: 73.7054	end: 76.2224	delta: 2.5169
P9 start: 83.6888	end: 86.2859	delta: 2.5972

H3: -1.77079e-05	H21: 7.01922e-06	H21f: 3.34249e-07
H5: -2.16581e-05	H23: 2.31988e-05	H23f: 1.00864e-06
H7: -2.36847e-05	H25: 1.8424e-05	H25f: 7.3696e-07
H9: -2.54267e-05	H27: 2.22916e-05	H27f: 8.25616e-07
H11: -1.31881e-05	H29: 2.34719e-05	H29f: 8.09375e-07
H13: -2.06792e-05	H31: 2.12796e-05	H31f: 6.86439e-07
H15: -3.21077e-06	H33: 1.71772e-05	H33f: 5.20521e-07
H17: -4.80758e-07	H35: 0.940039	H35f: 0.0268582
H19: 5.14646e-06	H37: -0.896477	H37f: -0.0242291

c2sd = 0.0136
c2ed = -0.0247
c3sd = -0.0086
c3ed = -0.07
c4sd = -0.018
c4ed = -0.0995
c5sd = -0.0184
c5ed = -0.1161
varx = 0.0001%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.27
 Actual Amplitude: 0.27
 Actual Power: 0.0729001
 Distortion 2H-34H: 0.00391111%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9731	end: 5.207	delta: 0.2339
P2 start: 14.6479	end: 15.3426	delta: 0.6947
P3 start: 24.3905	end: 25.5261	delta: 1.1357
P4 start: 34.1653	end: 35.7088	delta: 1.5434
P5 start: 43.9748	end: 45.8805	delta: 1.9058
P6 start: 53.8237	end: 56.035	delta: 2.2113
P7 start: 63.716	end: 66.1661	delta: 2.4502
P8 start: 73.6539	end: 76.2681	delta: 2.6142
P9 start: 83.6375	end: 86.3352	delta: 2.6977

H3: -8.99448e-06	H21: 6.43801e-06	H21f: 3.06572e-07
H5: -9.50042e-06	H23: 1.2013e-05	H23f: 5.22305e-07
H7: -1.23273e-05	H25: 1.2165e-05	H25f: 4.86601e-07
H9: -1.43037e-05	H27: 1.46993e-05	H27f: 5.44419e-07
H11: -9.07114e-06	H29: 7.87017e-06	H29f: 2.71385e-07
H13: -1.0508e-05	H31: 1.02095e-05	H31f: 3.29337e-07
H15: -3.03564e-06	H33: 6.49034e-06	H33f: 1.96677e-07
H17: -2.38089e-06	H35: 0.935176	H35f: 0.0267193
H19: 6.02098e-06	H37: -0.88881	H37f: -0.0240219

c2sd = 0.0175
 c2ed = -0.027
 c3sd = -0.0061
 c3ed = -0.0774
 c4sd = -0.0156
 c4ed = -0.1103
 c5sd = -0.0155
 c5ed = -0.1292
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 28/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.28
Actual Amplitude:	0.28
Actual Power:	0.0784002
Distortion 2H-34H:	0.00513907%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9896	end: 5.2321	delta: 0.2425
P2 start: 14.6398	end: 15.36	delta: 0.7202
P3 start: 24.3693	end: 25.5466	delta: 1.1773
P4 start: 34.134	end: 35.7342	delta: 1.6002
P5 start: 43.9353	end: 45.9113	delta: 1.976
P6 start: 53.7781	end: 56.0713	delta: 2.2931
P7 start: 63.6665	end: 66.2076	delta: 2.5411
P8 start: 73.6026	end: 76.314	delta: 2.7114
P9 start: 83.5863	end: 86.3845	delta: 2.7981

H3: -8.13117e-06	H21: 7.98919e-06	H21f: 3.80438e-07
H5: -1.29014e-05	H23: 1.46007e-05	H23f: 6.34815e-07
H7: -1.10352e-05	H25: 1.55793e-05	H25f: 6.23173e-07
H9: -1.87318e-05	H27: 2.00468e-05	H27f: 7.42475e-07
H11: -9.56028e-06	H29: 1.85802e-05	H29f: 6.40696e-07
H13: -1.45319e-05	H31: 1.36569e-05	H31f: 4.40544e-07
H15: -8.65517e-06	H33: 7.65479e-06	H33f: 2.31963e-07
H17: -4.8787e-06	H35: 0.929591	H35f: 0.0265597
H19: 4.75031e-06	H37: -0.881466	H37f: -0.0238234

c2sd = 0.0238
c2ed = -0.024
c3sd = -0.0038
c3ed = -0.0804
c4sd = -0.0151
c4ed = -0.1167
c5sd = -0.0157
c5ed = -0.1377
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 29/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.29
Actual Amplitude:	0.29
Actual Power:	0.0841
Distortion 2H-34H:	0.0043868%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9958	end: 5.2468	delta: 0.2511
P2 start: 14.6277	end: 15.3732	delta: 0.7455
P3 start: 24.3458	end: 25.5646	delta: 1.2188
P4 start: 34.101	end: 35.7578	delta: 1.6568
P5 start: 43.8946	end: 45.9409	delta: 2.0463
P6 start: 53.7316	end: 56.1066	delta: 2.375
P7 start: 63.6163	end: 66.2484	delta: 2.6321
P8 start: 73.5507	end: 76.3595	delta: 2.8088
P9 start: 83.535	end: 86.4338	delta: 2.8988

H3: -8.28695e-06	H21: 1.296e-05	H21f: 6.17145e-07
H5: -1.11481e-05	H23: 9.62575e-06	H23f: 4.18511e-07
H7: -1.5066e-05	H25: 1.40582e-05	H25f: 5.62326e-07
H9: -1.3579e-05	H27: 1.26485e-05	H27f: 4.68463e-07
H11: -1.38935e-05	H29: 1.19837e-05	H29f: 4.13232e-07
H13: -7.48845e-06	H31: 1.06366e-05	H31f: 3.43115e-07
H15: -8.35673e-06	H33: 8.91343e-06	H33f: 2.70104e-07
H17: 6.74245e-06	H35: 0.924453	H35f: 0.026413
H19: -1.11564e-06	H37: -0.873218	H37f: -0.0236005

c2sd = 0.0265
c2ed = -0.0257
c3sd = -0.003
c3ed = -0.0866
c4sd = -0.0152
c4ed = -0.126
c5sd = -0.0158
c5ed = -0.1487
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 30/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.3
Actual Amplitude:	0.300001
Actual Power:	0.0900005
Distortion 2H-34H:	0.00303858%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9888	end: 5.2484	delta: 0.2596
P2 start: 14.6108	end: 15.3817	delta: 0.7709
P3 start: 24.3194	end: 25.5798	delta: 1.2604
P4 start: 34.066	end: 35.7795	delta: 1.7135
P5 start: 43.8523	end: 45.9689	delta: 2.1166
P6 start: 53.6839	end: 56.1408	delta: 2.4569
P7 start: 63.5652	end: 66.2884	delta: 2.7232
P8 start: 73.4984	end: 76.4047	delta: 2.9063
P9 start: 83.4833	end: 86.4828	delta: 2.9995

H3: -5.481e-06	H21: 5.07143e-06	H21f: 2.41497e-07
H5: -7.48789e-06	H23: 7.10514e-06	H23f: 3.08919e-07
H7: -9.46828e-06	H25: 9.79497e-06	H25f: 3.91799e-07
H9: -1.08496e-05	H27: 9.20059e-06	H27f: 3.40762e-07
H11: -8.07202e-06	H29: 1.28927e-05	H29f: 4.44576e-07
H13: -8.25069e-06	H31: 4.66769e-06	H31f: 1.50571e-07
H15: -3.67649e-06	H33: 6.16325e-06	H33f: 1.86765e-07
H17: 3.72014e-07	H35: 0.919884	H35f: 0.0262824
H19: 3.86111e-07	H37: -0.863937	H37f: -0.0233497

c2sd = 0.0249
c2ed = -0.0323
c3sd = -0.0045
c3ed = -0.0962
c4sd = -0.0165
c4ed = -0.1381
c5sd = -0.0165
c5ed = -0.1622
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.31
 Actual Amplitude: 0.31
 Actual Power: 0.0961002
 Distortion 2H-34H: 0.00287973%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 4.9449	end: 5.2129	delta: 0.268
P2 start: 14.5815	end: 15.3778	delta: 0.7963
P3 start: 24.2857	end: 25.5876	delta: 1.302
P4 start: 34.0259	end: 35.7961	delta: 1.7702
P5 start: 43.8065	end: 45.9934	delta: 2.1869
P6 start: 53.6336	end: 56.1725	delta: 2.5389
P7 start: 63.5122	end: 66.3267	delta: 2.8145
P8 start: 73.4448	end: 76.4488	delta: 3.004
P9 start: 83.4311	end: 86.5317	delta: 3.1006

H3: -2.6929e-06	H21: 4.22005e-06	H21f: 2.00955e-07
H5: -6.56089e-06	H23: 8.22772e-06	H23f: 3.57727e-07
H7: -7.16942e-06	H25: 9.05795e-06	H25f: 3.62318e-07
H9: -1.02276e-05	H27: 1.01007e-05	H27f: 3.74098e-07
H11: -8.32352e-06	H29: 1.09404e-05	H29f: 3.77257e-07
H13: -8.68132e-06	H31: 6.23869e-06	H31f: 2.01248e-07
H15: -3.94959e-06	H33: 5.86059e-06	H33f: 1.77594e-07
H17: -3.60014e-07	H35: 0.917093	H35f: 0.0262027
H19: -2.70579e-07	H37: -0.852324	H37f: -0.0230358

c2sd = 0.0118
 c2ed = -0.0525
 c3sd = -0.0117
 c3ed = -0.115
 c4sd = -0.0205
 c4ed = -0.1575
 c5sd = -0.0179
 c5ed = -0.1822
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 32/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.32
Actual Amplitude:	0.32
Actual Power:	0.1024
Distortion 2H-34H:	0.0037406%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0005	end: 5.2771	delta: 0.2766
P2 start: 14.5864	end: 15.4078	delta: 0.8214
P3 start: 24.2717	end: 25.615	delta: 1.3433
P4 start: 33.999	end: 35.8256	delta: 1.8266
P5 start: 43.7698	end: 46.0267	delta: 2.2569
P6 start: 53.5897	end: 56.2102	delta: 2.6205
P7 start: 63.4636	end: 66.369	delta: 2.9054
P8 start: 73.3938	end: 76.4952	delta: 3.1013
P9 start: 83.38	end: 86.5812	delta: 3.2012

H3: -1.06722e-05	H21: -1.12933e-07	H21f: -5.37776e-09
H5: -1.33758e-05	H23: 1.02803e-05	H23f: 4.46971e-07
H7: -1.06722e-05	H25: 9.79942e-06	H25f: 3.91977e-07
H9: -1.42032e-05	H27: 1.22181e-05	H27f: 4.52522e-07
H11: -8.86114e-06	H29: 1.09748e-05	H29f: 3.7844e-07
H13: -7.9722e-06	H31: 9.65468e-06	H31f: 3.11441e-07
H15: -1.61268e-06	H33: 8.48024e-06	H33f: 2.56977e-07
H17: -6.27775e-07	H35: 0.908851	H35f: 0.0259672
H19: 3.02066e-06	H37: -0.846108	H37f: -0.0228678

c2sd = 0.0388
c2ed = -0.0445
c3sd = 0.0103
c3ed = -0.1236
c4sd = 0.0014
c4ed = -0.1769
c5sd = 0.0056
c5ed = -0.2092
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 33/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.33
Actual Amplitude:	0.33
Actual Power:	0.1089
Distortion 2H-34H:	0.00300178%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9947	end: 5.2798	delta: 0.2851
P2 start: 14.5698	end: 15.4165	delta: 0.8467
P3 start: 24.2451	end: 25.6298	delta: 1.3847
P4 start: 33.9635	end: 35.8466	delta: 1.8831
P5 start: 43.7269	end: 46.0539	delta: 2.327
P6 start: 53.5413	end: 56.2437	delta: 2.7024
P7 start: 63.4119	end: 66.4084	delta: 2.9965
P8 start: 73.3409	end: 76.54	delta: 3.199
P9 start: 83.328	end: 86.6303	delta: 3.3023

H3: -5.36603e-06	H21: 3.44959e-06	H21f: 1.64266e-07
H5: -6.94518e-06	H23: 7.43912e-06	H23f: 3.2344e-07
H7: -1.00531e-05	H25: 7.96625e-06	H25f: 3.1865e-07
H9: -9.42888e-06	H27: 1.21289e-05	H27f: 4.4922e-07
H11: -9.36616e-06	H29: 1.11814e-05	H29f: 3.85567e-07
H13: -5.0594e-06	H31: 8.78347e-06	H31f: 2.83338e-07
H15: -2.5297e-06	H33: 5.54722e-06	H33f: 1.68098e-07
H17: -1.51511e-06	H35: 0.903765	H35f: 0.0258219
H19: -1.13776e-06	H37: -0.836101	H37f: -0.0225973

c2sd = 0.029
c2ed = -0.0426
c3sd = -0.0051
c3ed = -0.12
c4sd = -0.0189
c4ed = -0.171
c5sd = -0.0186
c5ed = -0.2006
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.34
 Actual Amplitude: 0.34
 Actual Power: 0.1156
 Distortion 2H-34H: 0.00281279%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 5.0203	end: 5.314	delta: 0.2937
P2 start: 14.5643	end: 15.4361	delta: 0.8718
P3 start: 24.2248	end: 25.6507	delta: 1.4259
P4 start: 33.9321	end: 35.8716	delta: 1.9395
P5 start: 43.6868	end: 46.0838	delta: 2.397
P6 start: 53.4949	end: 56.279	delta: 2.7841
P7 start: 63.3614	end: 66.449	delta: 3.0876
P8 start: 73.2887	end: 76.5854	delta: 3.2966
P9 start: 83.2764	end: 86.6796	delta: 3.4032

H3: -5.1338e-06	H21: 5.33575e-06	H21f: 2.54083e-07
H5: -5.62486e-06	H23: 9.57857e-06	H23f: 4.1646e-07
H7: -7.81231e-06	H25: 9.80333e-06	H25f: 3.92133e-07
H9: -1.08628e-05	H27: 9.25903e-06	H27f: 3.42927e-07
H11: -5.55993e-06	H29: 8.05091e-06	H29f: 2.77618e-07
H13: -8.13854e-06	H31: 5.60182e-06	H31f: 1.80704e-07
H15: -4.10704e-06	H33: 5.07293e-06	H33f: 1.53725e-07
H17: 3.15118e-07	H35: 0.896851	H35f: 0.0256243
H19: 4.00601e-06	H37: -0.827649	H37f: -0.0223689

c2sd = 0.0425
 c2ed = -0.0421
 c3sd = 0.0057
 c3ed = -0.1302
 c4sd = -0.0081
 c4ed = -0.1883
 c5sd = -0.0066
 c5ed = -0.2227
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 35/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.35
Actual Amplitude:	0.349999
Actual Power:	0.1225
Distortion 2H-34H:	0.000928279%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0531	end: 5.3555	delta: 0.3024
P2 start: 14.5609	end: 15.4579	delta: 0.897
P3 start: 24.2057	end: 25.6728	delta: 1.4671
P4 start: 33.9014	end: 35.8972	delta: 1.9957
P5 start: 43.6472	end: 46.1141	delta: 2.467
P6 start: 53.4486	end: 56.3144	delta: 2.8658
P7 start: 63.3109	end: 66.4896	delta: 3.1787
P8 start: 73.2365	end: 76.6308	delta: 3.3942
P9 start: 83.2247	end: 86.7289	delta: 3.5042

H3: -1.44555e-07	H21: 2.39548e-06	H21f: 1.1407e-07
H5: -2.86218e-06	H23: 1.84778e-06	H23f: 8.03384e-08
H7: -1.85856e-06	H25: 4.05042e-06	H25f: 1.62017e-07
H9: -3.01155e-06	H27: 2.15226e-06	H27f: 7.97132e-08
H11: -2.40486e-06	H29: 3.20014e-06	H29f: 1.1035e-07
H13: -2.95225e-06	H31: 1.98646e-06	H31f: 6.40793e-08
H15: -1.80693e-06	H33: 1.70837e-06	H33f: 5.17688e-08
H17: -4.71928e-07	H35: 0.889437	H35f: 0.0254125
H19: 3.88015e-07	H37: -0.819337	H37f: -0.0221442

c2sd = 0.0522
c2ed = -0.0335
c3sd = 0.0081
c3ed = -0.1295
c4sd = -0.0096
c4ed = -0.1917
c5sd = -0.0104
c5ed = -0.2283
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 36/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.36
Actual Amplitude:	0.359999
Actual Power:	0.1296
Distortion 2H-34H:	0.00157308%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0423	end: 5.3531	delta: 0.3108
P2 start: 14.5425	end: 15.4646	delta: 0.9221
P3 start: 24.1778	end: 25.6861	delta: 1.5083
P4 start: 33.8647	end: 35.9168	delta: 2.0521
P5 start: 43.6031	end: 46.1401	delta: 2.537
P6 start: 53.3991	end: 56.3468	delta: 2.9476
P7 start: 63.2582	end: 66.5282	delta: 3.27
P8 start: 73.1829	end: 76.6751	delta: 3.4922
P9 start: 83.1724	end: 86.7779	delta: 3.6056

H3: -2.59997e-06	H21: 4.07564e-06	H21f: 1.94078e-07
H5: -3.49942e-06	H23: 3.60208e-06	H23f: 1.56612e-07
H7: -6.29415e-06	H25: 6.01226e-06	H25f: 2.40491e-07
H9: -3.8414e-06	H27: 4.37233e-06	H27f: 1.61938e-07
H11: -5.13607e-06	H29: 5.37926e-06	H29f: 1.85492e-07
H13: -3.06483e-06	H31: 3.74015e-06	H31f: 1.2065e-07
H15: -2.02376e-06	H33: 7.79353e-07	H33f: 2.36168e-08
H17: -1.62447e-06	H35: 0.884163	H35f: 0.0252618
H19: 1.78633e-06	H37: -0.808309	H37f: -0.0218462

c2sd = 0.0455
c2ed = -0.0383
c3sd = -0.001
c3ed = -0.1351
c4sd = -0.0207
c4ed = -0.1978
c5sd = -0.0229
c5ed = -0.2339
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.37
Actual Amplitude:	0.37
Actual Power:	0.1369
Distortion 2H-34H:	0.000807254%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0547	end: 5.3741	delta: 0.3194
P2 start: 14.5321	end: 15.4792	delta: 0.9471
P3 start: 24.1543	end: 25.7038	delta: 1.5494
P4 start: 33.8309	end: 35.9392	delta: 2.1083
P5 start: 43.561	end: 46.1679	delta: 2.6069
P6 start: 53.3509	end: 56.3803	delta: 3.0294
P7 start: 63.2063	end: 66.5675	delta: 3.3612
P8 start: 73.1297	end: 76.7198	delta: 3.5901
P9 start: 83.1202	end: 86.8271	delta: 3.7069

H3: -7.52073e-07	H21: 2.16831e-06	H21f: 1.03253e-07
H5: -1.76395e-06	H23: 2.75562e-06	H23f: 1.19809e-07
H7: -2.10971e-06	H25: 1.92804e-06	H25f: 7.71216e-08
H9: -2.21064e-06	H27: 3.11464e-06	H27f: 1.15357e-07
H11: -2.57321e-06	H29: 2.33402e-06	H29f: 8.04834e-08
H13: -2.74533e-06	H31: 2.27607e-06	H31f: 7.34215e-08
H15: -9.70858e-07	H33: 5.09669e-07	H33f: 1.54445e-08
H17: 6.03267e-07	H35: 0.877535	H35f: 0.0250724
H19: 2.91473e-07	H37: -0.798349	H37f: -0.021577

c2sd = 0.0502
c2ed = -0.0389
c3sd = 0.0004
c3ed = -0.1422
c4sd = -0.0209
c4ed = -0.2091
c5sd = -0.0235
c5ed = -0.2476
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 38/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.38
Actual Amplitude:	0.38
Actual Power:	0.1444
Distortion 2H-34H:	0.000493238%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0273	end: 5.3549	delta: 0.3277
P2 start: 14.5074	end: 15.4796	delta: 0.9722
P3 start: 24.1225	end: 25.7131	delta: 1.5905
P4 start: 33.7913	end: 35.9558	delta: 2.1645
P5 start: 43.5147	end: 46.1916	delta: 2.6769
P6 start: 53.2997	end: 56.411	delta: 3.1113
P7 start: 63.1522	end: 66.6049	delta: 3.4527
P8 start: 73.0752	end: 76.7635	delta: 3.6883
P9 start: 83.0674	end: 86.876	delta: 3.8086

H3: -9.98567e-07	H21: 6.94242e-07	H21f: 3.30591e-08
H5: -1.79742e-06	H23: 5.64407e-07	H23f: 2.45394e-08
H7: -2.11126e-06	H25: 1.42995e-06	H25f: 5.71979e-08
H9: -2.10809e-06	H27: 9.61583e-07	H27f: 3.56142e-08
H11: -3.26804e-07	H29: 1.62525e-06	H29f: 5.60432e-08
H13: -1.25973e-06	H31: 1.5204e-06	H31f: 4.90451e-08
H15: -1.33142e-08	H33: 8.8358e-07	H33f: 2.67752e-08
H17: 2.34957e-08	H35: 0.872875	H35f: 0.0249393
H19: -3.15337e-08	H37: -0.785843	H37f: -0.021239

c2sd = 0.0419
c2ed = -0.055
c3sd = -0.0046
c3ed = -0.1597
c4sd = -0.0241
c4ed = -0.2287
c5sd = -0.025
c5ed = -0.2688
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.39
Actual Amplitude:	0.39
Actual Power:	0.1521
Distortion 2H-34H:	0.000716888%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0329	end: 5.369	delta: 0.3361
P2 start: 14.4945	end: 15.4917	delta: 0.9971
P3 start: 24.0975	end: 25.729	delta: 1.6315
P4 start: 33.7562	end: 35.9768	delta: 2.2206
P5 start: 43.4714	end: 46.2181	delta: 2.7467
P6 start: 53.2504	end: 56.4435	delta: 3.1931
P7 start: 63.0995	end: 66.6435	delta: 3.5441
P8 start: 73.0214	end: 76.8078	delta: 3.7864
P9 start: 83.0149	end: 86.9252	delta: 3.9102

H3: -1.03783e-06	H21: 1.72353e-06	H21f: 8.20729e-08
H5: -2.41294e-06	H23: 1.08295e-06	H23f: 4.70847e-08
H7: -2.16831e-06	H25: 1.32323e-06	H25f: 5.29291e-08
H9: -3.48104e-06	H27: 2.73871e-06	H27f: 1.01434e-07
H11: -7.78369e-07	H29: 2.10696e-06	H29f: 7.2654e-08
H13: -1.64655e-06	H31: 2.15935e-06	H31f: 6.96563e-08
H15: -5.83777e-07	H33: 1.16755e-06	H33f: 3.53804e-08
H17: -3.31952e-07	H35: 0.866308	H35f: 0.0247516
H19: 2.15076e-07	H37: -0.77503	H37f: -0.0209467

c2sd = 0.0452
c2ed = -0.0591
c3sd = -0.0033
c3ed = -0.1702
c4sd = -0.0234
c4ed = -0.2437
c5sd = -0.0241
c5ed = -0.2864
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 40/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.4
Actual Amplitude:	0.4
Actual Power:	0.16
Distortion 2H-34H:	0.000997494%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 4.9965	end: 5.3408	delta: 0.3443
P2 start: 14.4667	end: 15.4888	delta: 1.0221
P3 start: 24.0635	end: 25.7361	delta: 1.6725
P4 start: 33.7149	end: 35.9917	delta: 2.2768
P5 start: 43.4237	end: 46.2404	delta: 2.8167
P6 start: 53.1979	end: 56.473	delta: 3.275
P7 start: 63.0444	end: 66.6801	delta: 3.6357
P8 start: 72.9661	end: 76.851	delta: 3.8849
P9 start: 82.9618	end: 86.9741	delta: 4.0123

H3: -1.58106e-06	H21: 2.20445e-06	H21f: 1.04974e-07
H5: -2.04906e-06	H23: 2.58194e-06	H23f: 1.12258e-07
H7: -3.79455e-06	H25: 2.80797e-06	H25f: 1.12319e-07
H9: -3.30969e-06	H27: 3.16212e-06	H27f: 1.17116e-07
H11: -2.82866e-06	H29: 3.27116e-06	H29f: 1.12799e-07
H13: -3.41509e-06	H31: 1.70143e-06	H31f: 5.48847e-08
H15: -1.08777e-06	H33: 1.19586e-06	H33f: 3.62381e-08
H17: 2.00888e-07	H35: 0.861788	H35f: 0.0246225
H19: 1.45791e-06	H37: -0.761551	H37f: -0.0205825

c2sd = 0.0303
c2ed = -0.0748
c3sd = -0.0162
c3ed = -0.1842
c4sd = -0.0361
c4ed = -0.2573
c5sd = -0.0366
c5ed = -0.2993
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.41
 Actual Amplitude: 0.409999
 Actual Power: 0.168099
 Distortion 2H-34H: 0.000495126%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total locking events: 72
 Delta Friendly: No

P1 start: 4.9917	end: 5.3444	delta: 0.3527
P2 start: 14.4497	end: 15.4967	delta: 1.047
P3 start: 24.0359	end: 25.7493	delta: 1.7134
P4 start: 33.6778	end: 36.0105	delta: 2.3327
P5 start: 43.3787	end: 46.2652	delta: 2.8865
P6 start: 53.1473	end: 56.5041	delta: 3.3568
P7 start: 62.9905	end: 66.7177	delta: 3.7272
P8 start: 72.9115	end: 76.8947	delta: 3.9833
P9 start: 82.909	end: 87.0232	delta: 4.1142

H3: -3.70201e-07	H21: 5.20044e-07	H21f: 2.4764e-08
H5: -1.59186e-06	H23: 9.01359e-07	H23f: 3.91895e-08
H7: -1.6659e-06	H25: 1.34013e-06	H25f: 5.36051e-08
H9: -1.19287e-06	H27: 1.89214e-06	H27f: 7.00792e-08
H11: -1.61542e-06	H29: 2.22121e-06	H29f: 7.65933e-08
H13: -2.42054e-07	H31: 1.5644e-06	H31f: 5.04644e-08
H15: -3.70201e-07	H33: 4.82383e-07	H33f: 1.46177e-08
H17: -5.11748e-07	H35: 0.855494	H35f: 0.0244427
H19: 7.11176e-07	H37: -0.749655	H37f: -0.020261

c2sd = 0.0424
 c2ed = -0.096
 c3sd = 0.0037
 c3ed = -0.2185
 c4sd = -0.0087
 c4ed = -0.303
 c5sd = -0.002
 c5ed = -0.3541
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 42/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.42
Actual Amplitude:	0.42
Actual Power:	0.1764
Distortion 2H-34H:	0.000270148%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total weighting events:	72
Delta Friendly:	No

P1 start: 4.9962	end: 5.3573	delta: 0.3611
P2 start: 14.436	end: 15.5078	delta: 1.0718
P3 start: 24.01	end: 25.7641	delta: 1.7542
P4 start: 33.6417	end: 36.0303	delta: 2.3886
P5 start: 43.3344	end: 46.2906	delta: 2.9561
P6 start: 53.097	end: 56.5356	delta: 3.4385
P7 start: 62.9367	end: 66.7554	delta: 3.8187
P8 start: 72.8569	end: 76.9386	delta: 4.0817
P9 start: 82.856	end: 87.0723	delta: 4.2163

H3: -7.83003e-07	H21: 5.50684e-07	H21f: 2.6223e-08
H5: -3.61386e-08	H23: 6.67779e-07	H23f: 2.90339e-08
H7: -8.77652e-07	H25: 4.98713e-07	H25f: 1.99485e-08
H9: -8.23157e-07	H27: 1.08416e-06	H27f: 4.0154e-08
H11: -7.55625e-07	H29: 7.22772e-07	H29f: 2.49232e-08
H13: -5.55979e-07	H31: 9.09294e-07	H31f: 2.93321e-08
H15: -8.31188e-07	H33: 1.42364e-07	H33f: 4.31407e-09
H17: -3.1887e-07	H35: 0.848582	H35f: 0.0242452
H19: 1.42652e-07	H37: -0.738071	H37f: -0.0199479

c2sd = 0.0347
c2ed = -0.0909
c3sd = -0.0125
c3ed = -0.2134
c4sd = -0.0316
c4ed = -0.2965
c5sd = -0.03
c5ed = -0.345
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.43
 Actual Amplitude: 0.429999
 Actual Power: 0.1849
 Distortion 2H-34H: 0.000146849%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total locking events: 72
 Delta Friendly: No

P1 start: 5.0495	end: 5.4193	delta: 0.3698
P2 start: 14.4398	end: 15.5363	delta: 1.0964
P3 start: 23.9942	end: 25.7889	delta: 1.7947
P4 start: 33.6123	end: 36.0564	delta: 2.4441
P5 start: 43.2948	end: 46.3202	delta: 3.0255
P6 start: 53.0499	end: 56.5699	delta: 3.52
P7 start: 62.8851	end: 66.795	delta: 3.9099
P8 start: 72.8035	end: 76.9834	delta: 4.1799
P9 start: 82.8036	end: 87.1217	delta: 4.3181

H3: 5.88303e-08	H21: 3.02556e-07	H21f: 1.44074e-08
H5: -6.00069e-07	H23: 1.99511e-07	H23f: 8.67441e-09
H7: 5.0426e-08	H25: 5.7889e-07	H25f: 2.31556e-08
H9: -1.76491e-07	H27: 3.92202e-07	H27f: 1.4526e-08
H11: -4.33205e-07	H29: 4.38184e-07	H29f: 1.51098e-08
H13: -3.80134e-07	H31: 3.64368e-07	H31f: 1.17538e-08
H15: -4.00046e-07	H33: 3.42285e-07	H33f: 1.03723e-08
H17: -4.46418e-07	H35: 0.839029	H35f: 0.0239722
H19: 7.4312e-08	H37: -0.729112	H37f: -0.0197057

c2sd = 0.0488
 c2ed = -0.0727
 c3sd = -0.0114
 c3ed = -0.2055
 c4sd = -0.0381
 c4ed = -0.2931
 c5sd = -0.0415
 c5ed = -0.3435
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 44/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.44
Actual Amplitude:	0.44
Actual Power:	0.1936
Distortion 2H-34H:	0.000455249%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.0867	end: 5.4651	delta: 0.3785
P2 start: 14.4382	end: 15.5592	delta: 1.1211
P3 start: 23.9751	end: 25.8102	delta: 1.8352
P4 start: 33.5805	end: 36.0802	delta: 2.4997
P5 start: 43.2533	end: 46.3481	delta: 3.0948
P6 start: 53.0014	end: 56.6029	delta: 3.6014
P7 start: 62.8323	end: 66.8336	delta: 4.0013
P8 start: 72.7494	end: 77.0277	delta: 4.2783
P9 start: 82.7508	end: 87.171	delta: 4.4202

H3: -1.7248e-07	H21: 2.05333e-07	H21f: 9.77775e-09
H5: -1.24185e-06	H23: 7.04916e-07	H23f: 3.06485e-08
H7: -1.42912e-06	H25: 1.02798e-06	H25f: 4.11191e-08
H9: -7.47411e-07	H27: 1.48205e-06	H27f: 5.48906e-08
H11: -1.89728e-06	H29: 1.68911e-06	H29f: 5.82452e-08
H13: -2.65353e-07	H31: 1.92509e-06	H31f: 6.20998e-08
H15: -7.35913e-07	H33: 9.82611e-07	H33f: 2.97761e-08
H17: -9.13127e-08	H35: 0.830154	H35f: 0.0237187
H19: 1.00764e-06	H37: -0.719038	H37f: -0.0194335

c2sd = 0.0643
c2ed = -0.0669
c3sd = -0.0026
c3ed = -0.2121
c4sd = -0.032
c4ed = -0.3073
c5sd = -0.0362
c5ed = -0.3624
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 45/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.45
Actual Amplitude:	0.45
Actual Power:	0.2025
Distortion 2H-34H:	0.00168127%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0843	end: 5.4711	delta: 0.3868
P2 start: 14.4222	end: 15.5679	delta: 1.1457
P3 start: 23.9474	end: 25.8231	delta: 1.8757
P4 start: 33.5429	end: 36.0982	delta: 2.5553
P5 start: 43.2075	end: 46.3718	delta: 3.1643
P6 start: 52.9497	end: 56.6329	delta: 3.6831
P7 start: 62.7773	end: 66.8703	delta: 4.0929
P8 start: 72.6939	end: 77.071	delta: 4.3771
P9 start: 82.6974	end: 87.2201	delta: 4.5227

H3: -3.03564e-06	H21: 2.95533e-06	H21f: 1.4073e-07
H5: -4.38481e-06	H23: 3.87887e-06	H23f: 1.68647e-07
H7: -4.52937e-06	H25: 6.65817e-06	H25f: 2.66327e-07
H9: -6.16497e-06	H27: 5.709e-06	H27f: 2.11445e-07
H11: -3.63357e-06	H29: 5.78051e-06	H29f: 1.99328e-07
H13: -3.71023e-06	H31: 4.5589e-06	H31f: 1.47061e-07
H15: -2.34981e-06	H33: 2.78011e-06	H33f: 8.42459e-08
H17: -7.04348e-07	H35: 0.823184	H35f: 0.0235196
H19: -2.92913e-07	H37: -0.706454	H37f: -0.0190933

c2sd = 0.0639
c2ed = -0.0738
c3sd = -0.0048
c3ed = -0.2246
c4sd = -0.0351
c4ed = -0.3238
c5sd = -0.0395
c5ed = -0.3812
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 46/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.46
Actual Amplitude:	0.46
Actual Power:	0.2116
Distortion 2H-34H:	0.000270526%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start:	5.2316	end:	5.6285	delta:	0.3969
P2 start:	14.4623	end:	15.6324	delta:	1.1701
P3 start:	23.9527	end:	25.8684	delta:	1.9157
P4 start:	33.5274	end:	36.1375	delta:	2.6101
P5 start:	43.1773	end:	46.4102	delta:	3.2329
P6 start:	52.9091	end:	56.6729	delta:	3.7638
P7 start:	62.7298	end:	66.9133	delta:	4.1835
P8 start:	72.6428	end:	77.1176	delta:	4.4748
P9 start:	82.6458	end:	87.2699	delta:	4.6241

H3: -1.6498e-07	H21: 2.67111e-07	H21f: 1.27196e-08
H5: -2.30973e-07	H23: 6.31229e-07	H23f: 2.74448e-08
H7: -9.42745e-07	H25: 9.10692e-07	H25f: 3.64277e-08
H9: -1.02654e-06	H27: 9.16558e-07	H27f: 3.39466e-08
H11: -1.03488e-06	H29: 1.01264e-06	H29f: 3.49186e-08
H13: -4.8225e-07	H31: 6.8121e-07	H31f: 2.19745e-08
H15: -2.96965e-07	H33: 5.19938e-07	H33f: 1.57557e-08
H17: 2.91142e-08	H35: 0.808217	H35f: 0.0230919
H19: -6.07823e-08	H37: -0.702636	H37f: -0.0189902

c2sd = 0.1204
c2ed = -0.0256
c3sd = 0.0272
c3ed = -0.2061
c4sd = -0.0144
c4ed = -0.3208
c5sd = -0.025
c5ed = -0.3876
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.47
Actual Amplitude:	0.47
Actual Power:	0.2209
Distortion 2H-34H:	0.00114182%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.2979	end: 5.7042	delta: 0.4063
P2 start: 14.4735	end: 15.6679	delta: 1.1945
P3 start: 23.9408	end: 25.8966	delta: 1.9558
P4 start: 33.5001	end: 36.1653	delta: 2.6652
P5 start: 43.1386	end: 46.4404	delta: 3.3018
P6 start: 52.8622	end: 56.7071	delta: 3.8449
P7 start: 62.6779	end: 66.9526	delta: 4.2747
P8 start: 72.589	end: 77.1622	delta: 4.5732
P9 start: 82.593	end: 87.3193	delta: 4.7264

H3: -1.93764e-06	H21: 3.08331e-06	H21f: 1.46824e-07
H5: -2.87417e-06	H23: 3.22238e-06	H23f: 1.40104e-07
H7: -2.92953e-06	H25: 4.21114e-06	H25f: 1.68446e-07
H9: -4.26999e-06	H27: 4.30587e-06	H27f: 1.59477e-07
H11: -2.64224e-06	H29: 3.36303e-06	H29f: 1.15967e-07
H13: -2.32269e-06	H31: 2.39601e-06	H31f: 7.72906e-08
H15: -1.52858e-06	H33: 9.49249e-07	H33f: 2.87651e-08
H17: -8.07351e-07	H35: 0.797286	H35f: 0.0227796
H19: 1.43623e-06	H37: -0.693907	H37f: -0.0187542

c2sd = 0.1374
c2ed = 0.0039
c3sd = 0.025
c3ed = -0.1876
c4sd = -0.0284
c4ed = -0.3062
c5sd = -0.0473
c5ed = -0.3737
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 48/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.48
Actual Amplitude:	0.48
Actual Power:	0.2304
Distortion 2H-34H:	0.000815058%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.1469	end: 5.5593	delta: 0.4124
P2 start: 14.3987	end: 15.6178	delta: 1.2191
P3 start: 23.8783	end: 25.8748	delta: 1.9965
P4 start: 33.4385	end: 36.1597	delta: 2.7212
P5 start: 43.0753	end: 46.4473	delta: 3.372
P6 start: 52.7976	end: 56.7252	delta: 3.9276
P7 start: 62.6137	end: 66.9814	delta: 4.3677
P8 start: 72.5276	end: 77.2012	delta: 4.6736
P9 start: 82.5369	end: 87.3677	delta: 4.8307

H3: -1.05404e-07	H21: 1.34767e-06	H21f: 6.41746e-08
H5: -1.26485e-06	H23: 3.13463e-06	H23f: 1.36288e-07
H7: -1.21968e-06	H25: 1.94787e-06	H25f: 7.79148e-08
H9: -2.4243e-06	H27: 4.27472e-06	H27f: 1.58323e-07
H11: -1.35109e-06	H29: 2.78049e-06	H29f: 9.58789e-08
H13: -1.19188e-06	H31: 2.96832e-06	H31f: 9.57522e-08
H15: -1.71809e-06	H33: 8.62398e-07	H33f: 2.61333e-08
H17: -4.65018e-07	H35: 0.798008	H35f: 0.0228002
H19: 2.16356e-07	H37: -0.671528	H37f: -0.0181494

c2sd = 0.0597
c2ed = -0.0431
c3sd = -0.0424
c3ed = -0.2045
c4sd = -0.0967
c4ed = -0.3051
c5sd = -0.1189
c5ed = -0.3585
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.49
Actual Amplitude:	0.49
Actual Power:	0.2401
Distortion 2H-34H:	0.000114481%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.3006	end: 5.7237	delta: 0.4231
P2 start: 14.4432	end: 15.6865	delta: 1.2433
P3 start: 23.8859	end: 25.922	delta: 2.0361
P4 start: 33.4242	end: 36.1998	delta: 2.7757
P5 start: 43.0456	end: 46.4857	delta: 3.4402
P6 start: 52.7569	end: 56.7649	delta: 4.008
P7 start: 62.5658	end: 67.0241	delta: 4.4583
P8 start: 72.4761	end: 77.2477	delta: 4.7716
P9 start: 82.485	end: 87.4176	delta: 4.9325

H3: -5.16265e-07	H21: 1.62255e-07	H21f: 7.72642e-09
H5: 0.0	H23: 1.27944e-07	H23f: 5.56278e-09
H7: -3.76136e-07	H25: -6.19518e-08	H25f: -2.47807e-09
H9: -1.72088e-07	H27: 2.63869e-07	H27f: 9.77292e-09
H11: 3.23839e-07	H29: 2.56352e-07	H29f: 8.83973e-09
H13: -2.97845e-07	H31: 4.79627e-07	H31f: 1.54718e-08
H15: -7.22771e-08	H33: 4.31785e-07	H33f: 1.30844e-08
H17: -1.09327e-07	H35: 0.782266	H35f: 0.0223505
H19: 2.52698e-07	H37: -0.667729	H37f: -0.0180467

c2sd = 0.1322
c2ed = -0.0025
c3sd = 0.0109
c3ed = -0.203
c4sd = -0.049
c4ed = -0.327
c5sd = -0.0721
c5ed = -0.3965
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 50/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.5
Actual Amplitude:	0.5
Actual Power:	0.25
Distortion 2H-34H:	0.000497974%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.317	end: 5.7488	delta: 0.4318
P2 start: 14.4343	end: 15.7019	delta: 1.2675
P3 start: 23.8619	end: 25.938	delta: 2.0761
P4 start: 33.3883	end: 36.219	delta: 2.8307
P5 start: 43.0004	end: 46.5095	delta: 3.5091
P6 start: 52.7049	end: 56.7943	delta: 4.0894
P7 start: 62.51	end: 67.06	delta: 4.55
P8 start: 72.4197	end: 77.2905	delta: 4.8708
P9 start: 82.431	end: 87.4668	delta: 5.0358

H3: -9.10692e-07	H21: 1.26485e-06	H21f: 6.02309e-08
H5: -1.00176e-06	H23: 7.5891e-07	H23f: 3.29961e-08
H7: -2.79713e-06	H25: 1.06855e-06	H25f: 4.27418e-08
H9: -8.93827e-07	H27: 2.10246e-06	H27f: 7.78689e-08
H11: -9.38289e-07	H29: 1.63296e-06	H29f: 5.63091e-08
H13: 1.16755e-08	H31: 9.89031e-07	H31f: 3.19042e-08
H15: -1.41663e-07	H33: 9.75084e-07	H33f: 2.9548e-08
H17: 2.49994e-07	H35: 0.77373	H35f: 0.0221066
H19: 1.02253e-06	H37: -0.655328	H37f: -0.0177116

c2sd = 0.1284
c2ed = 0.0078
c3sd = -0.0048
c3ed = -0.1953
c4sd = -0.0736
c4ed = -0.3192
c5sd = -0.1035
c5ed = -0.3867
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.51
Actual Amplitude:	0.51
Actual Power:	0.2601
Distortion 2H-34H:	0.000140678%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.3107	end: 5.7507	delta: 0.44
P2 start: 14.4159	end: 15.7077	delta: 1.2918
P3 start: 23.8321	end: 25.9482	delta: 2.1161
P4 start: 33.3484	end: 36.2341	delta: 2.8856
P5 start: 42.9521	end: 46.5302	delta: 3.5781
P6 start: 52.6506	end: 56.8215	delta: 4.171
P7 start: 62.4525	end: 67.0945	delta: 4.642
P8 start: 72.3621	end: 77.3325	delta: 4.9704
P9 start: 82.3764	end: 87.5158	delta: 5.1394

H3: -1.98408e-07	H21: 4.81847e-07	H21f: 2.29451e-08
H5: -2.38089e-07	H23: 5.49934e-07	H23f: 2.39102e-08
H7: -1.48806e-07	H25: 4.99987e-07	H25f: 1.99995e-08
H9: -3.47213e-07	H27: 2.97611e-07	H27f: 1.10226e-08
H11: -2.84084e-07	H29: 4.61811e-07	H29f: 1.59245e-08
H13: -5.83776e-07	H31: 2.78411e-07	H31f: 8.98099e-09
H15: -1.78567e-07	H33: 3.33686e-07	H33f: 1.01117e-08
H17: 3.50131e-08	H35: 0.766333	H35f: 0.0218952
H19: -1.01814e-07	H37: -0.64129	H37f: -0.0173322

c2sd = 0.1217
c2ed = 0.0019
c3sd = -0.0154
c3ed = -0.2043
c4sd = -0.0874
c4ed = -0.3301
c5sd = -0.1196
c5ed = -0.3981
varx = 0.0%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.52
Actual Amplitude:	0.52
Actual Power:	0.2704
Distortion 2H-34H:	0.000123781%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total weighting events:	72
Delta Friendly:	No

P1 start: 5.2099	end: 5.6564	delta: 0.4465
P2 start: 14.3596	end: 15.6757	delta: 1.3161
P3 start: 23.7799	end: 25.9361	delta: 2.1563
P4 start: 33.2931	end: 36.2341	delta: 2.941
P5 start: 42.8927	end: 46.5403	delta: 3.6477
P6 start: 52.5881	end: 56.8413	delta: 4.2532
P7 start: 62.3892	end: 67.1241	delta: 4.7349
P8 start: 72.3009	end: 77.372	delta: 5.0711
P9 start: 82.3202	end: 87.5645	delta: 5.2443

H3: 9.72962e-08	H21: 3.47486e-08	H21f: 1.6547e-09
H5: 8.75665e-08	H23: 3.23615e-07	H23f: 1.40702e-08
H7: -4.79531e-07	H25: 2.91888e-07	H25f: 1.16755e-08
H9: -3.56753e-07	H27: 4.7567e-07	H27f: 1.76174e-08
H11: -1.32677e-07	H29: 4.22735e-07	H29f: 1.45771e-08
H13: -1.34718e-07	H31: 5.08451e-07	H31f: 1.64016e-08
H15: -2.82159e-07	H33: -2.12283e-07	H33f: -6.4328e-09
H17: -2.48964e-07	H35: 0.763794	H35f: 0.0218227
H19: 2.84207e-07	H37: -0.621188	H37f: -0.0167889

c2sd = 0.0947
c2ed = -0.0594
c3sd = -0.0199
c3ed = -0.2642
c4sd = -0.0779
c4ed = -0.3949
c5sd = -0.0991
c5ed = -0.4679
varx = 0.0%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.53
 Actual Amplitude: 0.529999
 Actual Power: 0.280899
 Distortion 2H-34H: 7.5604e-05%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total weighting events: 72
 Delta Friendly: No

P1 start: 5.1983	end: 5.6529	delta: 0.4546
P2 start: 14.339	end: 15.6792	delta: 1.3402
P3 start: 23.7485	end: 25.9446	delta: 2.196
P4 start: 33.2519	end: 36.2477	delta: 2.9958
P5 start: 42.8431	end: 46.5596	delta: 3.7165
P6 start: 52.5325	end: 56.8673	delta: 4.3347
P7 start: 62.3305	end: 67.1576	delta: 4.827
P8 start: 72.2424	end: 77.4135	delta: 5.1711
P9 start: 82.2651	end: 87.6136	delta: 5.3485

H3: 1.43191e-07	H21: -1.36372e-08	H21f: -6.49391e-10
H5: 1.43191e-07	H23: 3.11284e-08	H23f: 1.35341e-09
H7: -2.65926e-07	H25: 8.01868e-08	H25f: 3.20747e-09
H9: -4.77302e-08	H27: 3.18202e-07	H27f: 1.17852e-08
H11: -3.25433e-07	H29: 1.48128e-07	H29f: 5.10787e-09
H13: -1.32176e-07	H31: 1.75524e-07	H31f: 5.66207e-09
H15: 4.00934e-07	H33: -2.60347e-08	H33f: -7.8893e-10
H17: 8.42298e-09	H35: 0.756356	H35f: 0.0216102
H19: 1.05509e-07	H37: -0.606495	H37f: -0.0163918

c2sd = 0.1097
 c2ed = -0.0915
 c3sd = 0.007
 c3ed = -0.3139
 c4sd = -0.0402
 c4ed = -0.4603
 c5sd = -0.0513
 c5ed = -0.546
 varx = 0.0%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.54
Actual Amplitude:	0.54
Actual Power:	0.2916
Distortion 2H-34H:	0.000113893%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total weighting events:	72
Delta Friendly:	No

P1 start: 5.1793	end: 5.6417	delta: 0.4625
P2 start: 14.3154	end: 15.6796	delta: 1.3642
P3 start: 23.7153	end: 25.951	delta: 2.2357
P4 start: 33.2091	end: 36.2596	delta: 3.0505
P5 start: 42.7923	end: 46.5776	delta: 3.7853
P6 start: 52.4759	end: 56.8922	delta: 4.4163
P7 start: 62.271	end: 67.1903	delta: 4.9193
P8 start: 72.1832	end: 77.4546	delta: 5.2713
P9 start: 82.2096	end: 87.6627	delta: 5.453

H3: -4.68463e-08	H21: 0.0	H21f: 0.0
H5: -4.49725e-07	H23: 6.2326e-07	H23f: 2.70982e-08
H7: -1.60616e-07	H25: 3.03564e-07	H25f: 1.21426e-08
H9: -2.65462e-07	H27: 3.01898e-07	H27f: 1.11814e-08
H11: -1.66091e-07	H29: 2.61693e-07	H29f: 9.0239e-09
H13: -7.56748e-08	H31: 4.53351e-07	H31f: 1.46242e-08
H15: -3.09186e-07	H33: 1.10728e-07	H33f: 3.35538e-09
H17: -8.267e-08	H35: 0.749161	H35f: 0.0214046
H19: -5.17775e-08	H37: -0.591179	H37f: -0.0159778

c2sd = 0.0886
c2ed = -0.0937
c3sd = -0.0221
c3ed = -0.3116
c4sd = -0.0773
c4ed = -0.4539
c5sd = -0.0952
c5ed = -0.5349
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 55/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.55
Actual Amplitude:	0.55
Actual Power:	0.3025
Distortion 2H-34H:	0.000132102%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0624	end: 5.5314	delta: 0.4689
P2 start: 14.2542	end: 15.6425	delta: 1.3883
P3 start: 23.6599	end: 25.9355	delta: 2.2756
P4 start: 33.1512	end: 36.2568	delta: 3.1056
P5 start: 42.7305	end: 46.5852	delta: 3.8547
P6 start: 52.4112	end: 56.9097	delta: 4.4986
P7 start: 62.2057	end: 67.2182	delta: 5.0126
P8 start: 72.1204	end: 77.4931	delta: 5.3728
P9 start: 82.1525	end: 87.7113	delta: 5.5588

H3: 9.19891e-08	H21: 2.43114e-07	H21f: 1.15769e-08
H5: -3.58757e-07	H23: -2.21974e-07	H23f: -9.65103e-09
H7: -5.32223e-07	H25: 3.53238e-07	H25f: 1.41295e-08
H9: -5.51935e-07	H27: 1.12431e-07	H27f: 4.16412e-09
H11: -1.12896e-07	H29: 6.75644e-07	H29f: 2.32981e-08
H13: -2.44125e-07	H31: 1.95848e-07	H31f: 6.31767e-09
H15: 1.83978e-08	H33: 4.01407e-07	H33f: 1.21638e-08
H17: 6.49335e-08	H35: 0.7466	H35f: 0.0213314
H19: 2.03344e-07	H37: -0.569829	H37f: -0.0154008

c2sd = 0.0125
c2ed = -0.1157
c3sd = -0.102
c3ed = -0.3026
c4sd = -0.1684
c4ed = -0.4235
c5sd = -0.1979
c5ed = -0.4864
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 56/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.56
Actual Amplitude:	0.56
Actual Power:	0.3136
Distortion 2H-34H:	5.42368e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.0907	end: 5.5682	delta: 0.4775
P2 start: 14.2484	end: 15.6605	delta: 1.4121
P3 start: 23.6368	end: 25.9517	delta: 2.3149
P4 start: 33.115	end: 36.2749	delta: 3.1598
P5 start: 42.684	end: 46.607	delta: 3.9229
P6 start: 52.3573	end: 56.9369	delta: 4.5796
P7 start: 62.1477	end: 67.2523	delta: 5.1046
P8 start: 72.0619	end: 77.5349	delta: 5.4729
P9 start: 82.0972	end: 87.7606	delta: 5.6634

H3: -1.3552e-07	H21: 1.67786e-07	H21f: 7.98982e-09
H5: 2.16831e-07	H23: -2.94608e-08	H23f: -1.2809e-09
H7: -1.936e-08	H25: 2.38515e-07	H25f: 9.54058e-09
H9: 1.80693e-07	H27: 0.0	H27f: 0.0
H11: -3.69599e-08	H29: 1.58885e-07	H29f: 5.4788e-09
H13: -7.29721e-08	H31: -6.99456e-08	H31f: -2.25631e-09
H15: 9.93811e-08	H33: -2.38186e-07	H33f: -7.21776e-09
H17: 1.59435e-08	H35: 0.736797	H35f: 0.0210513
H19: -7.84587e-08	H37: -0.557042	H37f: -0.0150552

c2sd = 0.0261
c2ed = -0.1172
c3sd = -0.0932
c3ed = -0.3183
c4sd = -0.1614
c4ed = -0.4487
c5sd = -0.1911
c5ed = -0.5179
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.57
Actual Amplitude:	0.57
Actual Power:	0.3249
Distortion 2H-34H:	7.00227e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.0402	end: 5.525	delta: 0.4849
P2 start: 14.2127	end: 15.6487	delta: 1.436
P3 start: 23.5961	end: 25.9504	delta: 2.3544
P4 start: 33.0667	end: 36.281	delta: 3.2143
P5 start: 42.6287	end: 46.6203	delta: 3.9916
P6 start: 52.2969	end: 56.9582	delta: 4.6613
P7 start: 62.085	end: 67.2823	delta: 5.1974
P8 start: 72.0004	end: 77.5745	delta: 5.5741
P9 start: 82.0405	end: 87.8096	delta: 5.7692

H3: -4.43807e-08	H21: -1.20462e-07	H21f: -5.73628e-09
H5: 1.86399e-07	H23: 2.95228e-07	H23f: 1.2836e-08
H7: 1.52162e-07	H25: -1.06514e-07	H25f: -4.26055e-09
H9: -2.81078e-07	H27: 3.35321e-07	H27f: 1.24193e-08
H11: -6.05191e-08	H29: 0.0	H29f: 0.0
H13: 2.04834e-08	H31: 1.80386e-07	H31f: 5.81891e-09
H15: -1.68647e-07	H33: -3.22769e-08	H33f: -9.78087e-10
H17: 2.27125e-07	H35: 0.730618	H35f: 0.0208748
H19: -9.10972e-08	H37: -0.539427	H37f: -0.0145791

c2sd = -0.0099
c2ed = -0.1287
c3sd = -0.1346
c3ed = -0.319
c4sd = -0.2105
c4ed = -0.4418
c5sd = -0.2474
c5ed = -0.5036
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 58/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.58
Actual Amplitude: 0.58
Actual Power: 0.3364
Distortion 2H-34H: 6.1705e-05%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 5.0954	end: 5.5891	delta: 0.4937
P2 start: 14.2169	end: 15.6765	delta: 1.4596
P3 start: 23.5786	end: 25.9718	delta: 2.3933
P4 start: 33.034	end: 36.3021	delta: 3.2681
P5 start: 42.5843	end: 46.6438	delta: 4.0595
P6 start: 52.2441	end: 56.9861	delta: 4.742
P7 start: 62.0274	end: 67.3166	delta: 5.2892
P8 start: 71.942	end: 77.6163	delta: 5.6744
P9 start: 81.985	end: 87.8591	delta: 5.8741

H3: 0.0	H21: -1.86924e-07	H21f: -8.90113e-09
H5: 1.04677e-07	H23: 2.04803e-07	H23f: 8.90449e-09
H7: -3.73847e-08	H25: 1.98887e-07	H25f: 7.95547e-09
H9: -7.26926e-08	H27: 1.55077e-07	H27f: 5.74361e-09
H11: -2.14113e-07	H29: 0.0	H29f: 0.0
H13: -1.50977e-07	H31: 1.85718e-07	H31f: 5.99089e-09
H15: 0.0	H33: -7.9301e-08	H33f: -2.40306e-09
H17: -1.4624e-07	H35: 0.719334	H35f: 0.0205524
H19: 3.03013e-07	H37: -0.527947	H37f: -0.0142688

c2sd = 0.0261
c2ed = -0.1328
c3sd = -0.1
c3ed = -0.3496
c4sd = -0.1726
c4ed = -0.4913
c5sd = -0.2048
c5ed = -0.5672
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 59/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.59
Actual Amplitude:	0.59
Actual Power:	0.3481
Distortion 2H-34H:	0.0002228222%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.0982	end: 5.6	delta: 0.5018
P2 start: 14.2013	end: 15.6844	delta: 1.4831
P3 start: 23.5493	end: 25.9815	delta: 2.4322
P4 start: 32.9931	end: 36.3151	delta: 3.3219
P5 start: 42.5339	end: 46.6614	delta: 4.1275
P6 start: 52.1868	end: 57.0099	delta: 4.8231
P7 start: 61.9665	end: 67.3481	delta: 5.3816
P8 start: 71.8813	end: 77.6567	delta: 5.7754
P9 start: 81.9285	end: 87.9083	delta: 5.9799

H3: -9.00401e-07	H21: 3.98137e-07	H21f: 1.89589e-08
H5: -7.71773e-08	H23: 4.41812e-07	H23f: 1.92092e-08
H7: -7.53397e-07	H25: 7.82063e-07	H25f: 3.12825e-08
H9: -7.43188e-07	H27: 9.62334e-07	H27f: 3.5642e-08
H11: -7.13305e-07	H29: 9.75804e-08	H29f: 3.36484e-09
H13: -4.65042e-07	H31: 2.82153e-07	H31f: 9.10172e-09
H15: -3.08709e-07	H33: 3.11827e-07	H33f: 9.44931e-09
H17: 3.7832e-08	H35: 0.7104	H35f: 0.0202972
H19: 3.58807e-07	H37: -0.513224	H37f: -0.0138709

c2sd = 0.0297
c2ed = -0.1441
c3sd = -0.0979
c3ed = -0.3713
c4sd = -0.1709
c4ed = -0.5209
c5sd = -0.2027
c5ed = -0.6021
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 60/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.6
Actual Amplitude:	0.6
Actual Power:	0.36
Distortion 2H-34H:	0.000135461%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total weighting events:	72
Delta Friendly:	No

P1 start: 5.1468	end: 5.6575	delta: 0.5107
P2 start: 14.2032	end: 15.7098	delta: 1.5066
P3 start: 23.5303	end: 26.0011	delta: 2.4709
P4 start: 32.959	end: 36.3344	delta: 3.3754
P5 start: 42.4881	end: 46.6831	delta: 4.1951
P6 start: 52.1326	end: 57.0363	delta: 4.9037
P7 start: 61.9075	end: 67.3811	delta: 5.4736
P8 start: 71.8217	end: 77.6978	delta: 5.8761
P9 start: 81.8723	end: 87.9578	delta: 6.0854

H3: -3.79455e-07	H21: 2.5297e-07	H21f: 1.20462e-08
H5: -2.5297e-07	H23: 3.02464e-07	H23f: 1.31506e-08
H7: 1.08416e-07	H25: 3.84514e-07	H25f: 1.53806e-08
H9: -6.60533e-07	H27: 1.96754e-07	H27f: 7.2872e-09
H11: 1.03488e-07	H29: 3.83817e-07	H29f: 1.32351e-08
H13: -2.82159e-07	H31: 6.36505e-07	H31f: 2.05324e-08
H15: -1.51782e-07	H33: -1.07321e-07	H33f: -3.25214e-09
H17: -3.49694e-07	H35: 0.699214	H35f: 0.0199775
H19: 1.93056e-07	H37: -0.501123	H37f: -0.0135439

c2sd = 0.0542
c2ed = -0.1412
c3sd = -0.0802
c3ed = -0.3884
c4sd = -0.1552
c4ed = -0.5515
c5sd = -0.187
c5ed = -0.6417
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.61
 Actual Amplitude: 0.609999
 Actual Power: 0.372099
 Distortion 2H-34H: 6.83236e-05%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 5.1366	end: 5.6551	delta: 0.5185
P2 start: 14.1822	end: 15.7122	delta: 1.53
P3 start: 23.4975	end: 26.0072	delta: 2.5096
P4 start: 32.9154	end: 36.3444	delta: 3.429
P5 start: 42.4353	end: 46.6982	delta: 4.2629
P6 start: 52.0731	end: 57.0578	delta: 4.9848
P7 start: 61.8446	end: 67.4109	delta: 5.5663
P8 start: 71.7595	end: 77.7372	delta: 5.9777
P9 start: 81.8149	end: 88.007	delta: 6.192

H3: 4.14705e-08	H21: -2.42899e-07	H21f: -1.15666e-08
H5: -1.24412e-07	H23: 2.16368e-07	H23f: 9.4073e-09
H7: 7.10923e-08	H25: -3.98117e-08	H25f: -1.59247e-09
H9: 0.0	H27: 1.10588e-07	H27f: 4.09586e-09
H11: 2.37513e-07	H29: 3.17464e-07	H29f: 1.0947e-08
H13: -2.77534e-07	H31: -1.28425e-07	H31f: -4.14274e-09
H15: -8.29411e-08	H33: 1.35722e-07	H33f: 4.11278e-09
H17: 8.782e-08	H35: 0.690689	H35f: 0.019734
H19: 2.02987e-07	H37: -0.485343	H37f: -0.0131174

c2sd = 0.0098
 c2ed = -0.1154
 c3sd = -0.1511
 c3ed = -0.3442
 c4sd = -0.2506
 c4ed = -0.4897
 c5sd = -0.3037
 c5ed = -0.5628
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 62/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.62
Actual Amplitude:	0.62
Actual Power:	0.3844
Distortion 2H-34H:	7.63216e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.2005	end: 5.7283	delta: 0.5279
P2 start: 14.1906	end: 15.7438	delta: 1.5532
P3 start: 23.482	end: 26.0299	delta: 2.5479
P4 start: 32.8833	end: 36.3653	delta: 3.482
P5 start: 42.3905	end: 46.7205	delta: 4.33
P6 start: 52.0191	end: 57.0842	delta: 5.065
P7 start: 61.7854	end: 67.4436	delta: 5.6582
P8 start: 71.6994	end: 77.7781	delta: 6.0787
P9 start: 81.7584	end: 88.0565	delta: 6.2981

H3: 0.0	H21: 2.33152e-08	H21f: 1.11025e-09
H5: -9.79239e-08	H23: 3.40605e-07	H23f: 1.48089e-08
H7: -1.74864e-07	H25: 1.95848e-08	H25f: 7.83391e-10
H9: -1.76807e-07	H27: 5.25888e-07	H27f: 1.94773e-08
H11: -1.11277e-08	H29: 8.44172e-09	H29f: 2.91094e-10
H13: -2.25978e-07	H31: 1.57942e-07	H31f: 5.0949e-09
H15: 1.63207e-07	H33: -8.90217e-08	H33f: -2.69763e-09
H17: -2.88012e-08	H35: 0.67857	H35f: 0.0193877
H19: 7.73084e-08	H37: -0.473975	H37f: -0.0128101

c2sd = 0.0274
c2ed = -0.093
c3sd = -0.1516
c3ed = -0.3365
c4sd = -0.2623
c4ed = -0.4892
c5sd = -0.3233
c5ed = -0.5657
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 63/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.63
Actual Amplitude: 0.63
Actual Power: 0.3969
Distortion 2H-34H: 8.79964e-05%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 5.1369	end: 5.6714	delta: 0.5345
P2 start: 14.148	end: 15.7246	delta: 1.5765
P3 start: 23.4362	end: 26.0228	delta: 2.5866
P4 start: 32.8304	end: 36.366	delta: 3.5356
P5 start: 42.3306	end: 46.7285	delta: 4.3979
P6 start: 51.954	end: 57.1004	delta: 5.1464
P7 start: 61.7182	end: 67.4697	delta: 5.7515
P8 start: 71.634	end: 77.8155	delta: 6.1815
P9 start: 81.6994	end: 88.1056	delta: 6.4062

H3: -2.0077e-07	H21: 8.60442e-08	H21f: 4.09735e-09
H5: -1.20462e-07	H23: -2.09499e-07	H23f: -9.10865e-09
H7: -3.26968e-07	H25: 2.79472e-07	H25f: 1.11789e-08
H9: -2.67693e-08	H27: -1.07077e-07	H27f: -3.96583e-09
H11: -2.40924e-07	H29: 3.32309e-07	H29f: 1.14589e-08
H13: 5.55978e-08	H31: 3.18641e-07	H31f: 1.02788e-08
H15: 6.42464e-08	H33: 3.0663e-07	H33f: 9.29183e-09
H17: 3.11784e-07	H35: 0.672312	H35f: 0.0192089
H19: 5.07208e-08	H37: -0.45468	H37f: -0.0122887

c2sd = 0.0175
c2ed = -0.1449
c3sd = -0.1442
c3ed = -0.3969
c4sd = -0.2429
c4ed = -0.5608
c5sd = -0.2941
c5ed = -0.6468
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.64
Actual Amplitude:	0.64
Actual Power:	0.4096
Distortion 2H-34H:	7.76083e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.134	end: 5.6764	delta: 0.5424
P2 start: 14.1296	end: 15.7292	delta: 1.5996
P3 start: 23.4044	end: 26.0292	delta: 2.6249
P4 start: 32.7868	end: 36.3755	delta: 3.5887
P5 start: 42.2771	end: 46.7423	delta: 4.4652
P6 start: 51.8932	end: 57.1204	delta: 5.2271
P7 start: 61.6537	end: 67.498	delta: 5.8443
P8 start: 71.5702	end: 77.8541	delta: 6.2838
P9 start: 81.6409	end: 88.1549	delta: 6.514

H3: -3.95265e-08	H21: 7.90531e-08	H21f: 3.76443e-09
H5: 0.0	H23: 9.79571e-08	H23f: 4.259e-09
H7: -1.69399e-07	H25: -5.69182e-08	H25f: -2.27673e-09
H9: -2.23984e-07	H27: 2.81078e-07	H27f: 1.04103e-08
H11: 2.91059e-07	H29: -1.14491e-07	H29f: -3.94795e-09
H13: -4.37833e-07	H31: 1.07104e-07	H31f: 3.45497e-09
H15: 3.16212e-08	H33: 8.62397e-08	H33f: 2.61333e-09
H17: -2.79011e-08	H35: 0.663093	H35f: 0.0189455
H19: 3.37016e-07	H37: -0.438991	H37f: -0.0118646

c2sd = -0.0294
c2ed = -0.1119
c3sd = -0.2222
c3ed = -0.3441
c4sd = -0.3493
c4ed = -0.4885
c5sd = -0.425
c5ed = -0.5555
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 65/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.65
Actual Amplitude: 0.65
Actual Power: 0.4225
Distortion 2H-34H: 0.00028095%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 5.202	end: 5.7539	delta: 0.5519
P2 start: 14.1395	end: 15.7621	delta: 1.6225
P3 start: 23.3893	end: 26.0519	delta: 2.6626
P4 start: 32.7543	end: 36.3954	delta: 3.641
P5 start: 42.2314	end: 46.7631	delta: 4.5317
P6 start: 51.8378	end: 57.1448	delta: 5.307
P7 start: 61.5927	end: 67.5289	delta: 5.9363
P8 start: 71.5084	end: 77.8939	delta: 6.3855
P9 start: 81.5832	end: 88.2045	delta: 6.6213

H3: -2.72429e-07	H21: 8.45087e-07	H21f: 4.02422e-08
H5: -1.86809e-07	H23: 4.16258e-07	H23f: 1.80982e-08
H7: -7.6725e-07	H25: 1.25162e-06	H25f: 5.00647e-08
H9: -5.0594e-07	H27: 6.14047e-07	H27f: 2.27425e-08
H11: -1.35861e-06	H29: 8.53522e-07	H29f: 2.94318e-08
H13: -6.28683e-07	H31: 3.69098e-07	H31f: 1.19064e-08
H15: -5.60426e-07	H33: 8.27902e-07	H33f: 2.50879e-08
H17: -2.74719e-08	H35: 0.650536	H35f: 0.0185867
H19: 4.91602e-08	H37: -0.427542	H37f: -0.0115552

c2sd = 0.0149
c2ed = -0.1133
c3sd = -0.1813
c3ed = -0.3775
c4sd = -0.3057
c4ed = -0.5446
c5sd = -0.377
c5ed = -0.6285
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 66/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.66
Actual Amplitude:	0.66
Actual Power:	0.4356
Distortion 2H-34H:	7.47307e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.118	end: 5.6758	delta: 0.5579
P2 start: 14.0881	end: 15.7337	delta: 1.6455
P3 start: 23.3377	end: 26.0386	delta: 2.7009
P4 start: 32.6969	end: 36.391	delta: 3.6942
P5 start: 42.1674	end: 46.7667	delta: 4.5993
P6 start: 51.7689	end: 57.1572	delta: 5.3883
P7 start: 61.5219	end: 67.552	delta: 6.03
P8 start: 71.4402	end: 77.9296	delta: 6.4894
P9 start: 81.5226	end: 88.2536	delta: 6.731

H3: 1.14986e-07	H21: -2.62826e-07	H21f: -1.25155e-08
H5: 9.19891e-08	H23: 2.39972e-07	H23f: 1.04335e-08
H7: 1.97119e-07	H25: -2.94365e-07	H25f: -1.17746e-08
H9: 1.27763e-07	H27: -1.19245e-07	H27f: -4.41649e-09
H11: 3.13599e-08	H29: -2.29973e-07	H29f: -7.93009e-09
H13: 9.72961e-08	H31: 5.93478e-08	H31f: 1.91445e-09
H15: 4.59945e-08	H33: -2.09066e-07	H33f: -6.33534e-09
H17: -2.23209e-07	H35: 0.644758	H35f: 0.0184217
H19: 3.02596e-07	H37: -0.406679	H37f: -0.0109913

c2sd = -0.0292
c2ed = -0.149
c3sd = -0.221
c3ed = -0.4027
c4sd = -0.347
c4ed = -0.5651
c5sd = -0.421
c5ed = -0.6449
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.67
 Actual Amplitude: 0.67
 Actual Power: 0.4489
 Distortion 2H-34H: 0.00112344%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 5.2165	end: 5.7845	delta: 0.5681
P2 start: 14.1106	end: 15.7787	delta: 1.6681
P3 start: 23.3296	end: 26.0678	delta: 2.7382
P4 start: 32.6687	end: 36.4146	delta: 3.7459
P5 start: 42.1242	end: 46.7893	delta: 4.6651
P6 start: 51.7147	end: 57.1823	delta: 5.4676
P7 start: 61.4612	end: 67.5829	delta: 6.1217
P8 start: 71.3781	end: 77.9693	delta: 6.5913
P9 start: 81.4644	end: 88.3033	delta: 6.8389

H3: -2.30316e-06	H21: 2.76703e-06	H21f: 1.31763e-07
H5: -3.1036e-06	H23: 3.93983e-06	H23f: 1.71297e-07
H7: -3.62464e-06	H25: 3.61558e-06	H25f: 1.44623e-07
H9: -3.17156e-06	H27: 4.9755e-06	H27f: 1.84278e-07
H11: -2.78027e-06	H29: 3.17156e-06	H29f: 1.09364e-07
H13: -1.36795e-06	H31: 2.00232e-06	H31f: 6.45911e-08
H15: -7.02275e-07	H33: 8.37513e-07	H33f: 2.53792e-08
H17: 6.12991e-07	H35: 0.63067	H35f: 0.0180191
H19: 1.35328e-06	H37: -0.396912	H37f: -0.0107274

c2sd = 0.0181
 c2ed = -0.1288
 c3sd = -0.1886
 c3ed = -0.4141
 c4sd = -0.3201
 c4ed = -0.5965
 c5sd = -0.3964
 c5ed = -0.6901
 varx = 0.0%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.68
Actual Amplitude:	0.68
Actual Power:	0.4624
Distortion 2H-34H:	3.68444e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start:	5.2079	end:	5.7836	delta:	0.5757
P2 start:	14.089	end:	15.7798	delta:	1.6909
P3 start:	23.2953	end:	26.0711	delta:	2.7758
P4 start:	32.6226	end:	36.4207	delta:	3.7981
P5 start:	42.0678	end:	46.7994	delta:	4.7315
P6 start:	51.6507	end:	57.1984	delta:	5.5478
P7 start:	61.3932	end:	67.6079	delta:	6.2147
P8 start:	71.3111	end:	78.0059	delta:	6.6948
P9 start:	81.404	end:	88.3527	delta:	6.9487

H3: 7.44029e-08	H21: 1.27548e-07	H21f: 6.07371e-09
H5: -1.56246e-07	H23: -2.91142e-08	H23f: -1.26583e-09
H7: 1.59435e-07	H25: -4.46418e-08	H25f: -1.78567e-09
H9: -6.20024e-08	H27: 1.6534e-08	H27f: 6.1237e-10
H11: 0.0	H29: -3.07874e-08	H29f: -1.06164e-09
H13: 1.88869e-07	H31: -5.0402e-08	H31f: -1.62587e-09
H15: -1.04164e-07	H33: 5.41112e-08	H33f: 1.63973e-09
H17: -6.56497e-09	H35: 0.621311	H35f: 0.0177517
H19: -6.46131e-08	H37: -0.380444	H37f: -0.0102823

c2sd = -0.0178
c2ed = -0.1134
c3sd = -0.2461
c3ed = -0.3875
c4sd = -0.3979
c4ed = -0.5589
c5sd = -0.4918
c5ed = -0.6411
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 69/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.69
Actual Amplitude:	0.69
Actual Power:	0.4761
Distortion 2H-34H:	9.20907e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start:	5.373	end:	5.9617	delta:	0.5887
P2 start:	14.1417	end:	15.8549	delta:	1.7133
P3 start:	23.3051	end:	26.1174	delta:	2.8123
P4 start:	32.6062	end:	36.4551	delta:	3.8489
P5 start:	42.0326	end:	46.8287	delta:	4.7961
P6 start:	51.6016	end:	57.2275	delta:	5.6259
P7 start:	61.3354	end:	67.6409	delta:	6.3055
P8 start:	71.2502	end:	78.0465	delta:	6.7963
P9 start:	81.3462	end:	88.4028	delta:	7.0566

H3: -1.83312e-07	H21: 1.72837e-07	H21f: 8.23032e-09
H5: -1.31984e-07	H23: 1.62589e-07	H23f: 7.0691e-09
H7: -3.77098e-07	H25: 2.37572e-07	H25f: 9.50287e-09
H9: -1.09987e-07	H27: 2.44415e-08	H27f: 9.05242e-10
H11: 4.99941e-08	H29: 3.86851e-07	H29f: 1.33397e-08
H13: -8.46054e-08	H31: -9.93431e-08	H31f: -3.20461e-09
H15: -2.19974e-07	H33: 5.39936e-07	H33f: 1.63617e-08
H17: 9.05775e-08	H35: 0.603918	H35f: 0.0172548
H19: 1.09987e-07	H37: -0.374919	H37f: -0.0101329

c2sd = 0.0497
c2ed = -0.0531
c3sd = -0.2121
c3ed = -0.3653
c4sd = -0.3814
c4ed = -0.5573
c5sd = -0.4865
c5ed = -0.6521
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.7
 Actual Amplitude: 0.7
 Actual Power: 0.49
 Distortion 2H-34H: 6.447e-05%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total weighting events: 72
 Delta Friendly: No

P1 start: 5.3191	end: 5.9139	delta: 0.5948
P2 start: 14.1002	end: 15.8359	delta: 1.7357
P3 start: 23.2585	end: 26.1082	delta: 2.8497
P4 start: 32.5511	end: 36.452	delta: 3.9009
P5 start: 41.9691	end: 46.8317	delta: 4.8625
P6 start: 51.5317	end: 57.238	delta: 5.7063
P7 start: 61.2625	end: 67.6617	delta: 6.3991
P8 start: 71.1795	end: 78.0808	delta: 6.9012
P9 start: 81.2837	end: 88.452	delta: 7.1684

H3: 1.44554e-07	H21: 3.61386e-08	H21f: 1.72088e-09
H5: 4.33663e-08	H23: 2.82824e-08	H23f: 1.22967e-09
H7: -1.23904e-07	H25: -1.12752e-07	H25f: -4.51009e-09
H9: -2.28878e-07	H27: 1.68647e-07	H27f: 6.24617e-09
H11: 1.67552e-07	H29: -1.27108e-07	H29f: -4.38304e-09
H13: -1.00076e-07	H31: 1.5388e-07	H31f: 4.96388e-09
H15: 1.51782e-07	H33: -2.89109e-07	H33f: -8.76086e-09
H17: -2.48718e-07	H35: 0.596501	H35f: 0.0170429
H19: 1.88301e-07	H37: -0.355354	H37f: -0.00960416

c2sd = 0.0009
 c2ed = -0.0648
 c3sd = -0.2707
 c3ed = -0.3626
 c4sd = -0.4527
 c4ed = -0.5442
 c5sd = -0.57
 c5ed = -0.6292
 varx = 0.0%.

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.71
 Actual Amplitude: 0.71
 Actual Power: 0.5041
 Distortion 2H-34H: 5.745e-05%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total weighting events: 72
 Delta Friendly: No

P1 start: 5.3574	end: 5.9613	delta: 0.6039
P2 start: 14.0989	end: 15.8569	delta: 1.758
P3 start: 23.2357	end: 26.1222	delta: 2.8865
P4 start: 32.512	end: 36.464	delta: 3.952
P5 start: 41.9169	end: 46.8447	delta: 4.9278
P6 start: 51.4696	end: 57.2549	delta: 5.7854
P7 start: 61.1948	end: 67.6863	delta: 6.4916
P8 start: 71.1117	end: 78.1169	delta: 7.0052
P9 start: 81.2223	end: 88.5017	delta: 7.2794

H3: -2.13777e-07	H21: -6.61692e-08	H21f: -3.15092e-09
H5: -4.27555e-08	H23: 1.58009e-07	H23f: 6.86998e-09
H7: -2.90127e-07	H25: 8.5511e-08	H25f: 3.42044e-09
H9: -1.78148e-07	H27: 2.37531e-07	H27f: 8.79743e-09
H11: 2.91515e-08	H29: -7.37164e-09	H29f: -2.54194e-10
H13: -9.86665e-08	H31: 1.10337e-07	H31f: 3.55925e-09
H15: 2.06652e-07	H33: -3.23905e-08	H33f: -9.81531e-10
H17: -8.17385e-08	H35: 0.584731	H35f: 0.0167066
H19: 1.68772e-08	H37: -0.341649	H37f: -0.00923376

c2sd = 0.0225
 c2ed = -0.0666
 c3sd = -0.2563
 c3ed = -0.3858
 c4sd = -0.4413
 c4ed = -0.5827
 c5sd = -0.56
 c5ed = -0.6785
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 72/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.72
Actual Amplitude:	0.72
Actual Power:	0.5184
Distortion 2H-34H:	0.000125011%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.5204	end: 6.1388	delta: 0.6184
P2 start: 14.1555	end: 15.9356	delta: 1.7802
P3 start: 23.2476	end: 26.17	delta: 2.9224
P4 start: 32.4965	end: 36.4983	delta: 4.0018
P5 start: 41.8813	end: 46.8727	delta: 4.9914
P6 start: 51.4192	end: 57.2818	delta: 5.8626
P7 start: 61.1348	end: 67.7169	delta: 6.5821
P8 start: 71.0485	end: 78.1559	delta: 7.1074
P9 start: 81.1628	end: 88.5518	delta: 7.389

H3: -2.45943e-07	H21: 2.55982e-07	H21f: 1.21896e-08
H5: -1.68647e-07	H23: 4.99524e-07	H23f: 2.17184e-08
H7: -4.51732e-07	H25: 4.72211e-07	H25f: 1.88884e-08
H9: -2.92789e-07	H27: 2.96693e-07	H27f: 1.09886e-08
H11: -4.12034e-07	H29: 4.14347e-07	H29f: 1.42878e-08
H13: -2.35132e-07	H31: 2.99212e-07	H31f: 9.65199e-09
H15: -7.02694e-08	H33: 1.27763e-07	H33f: 3.87159e-09
H17: 2.10808e-07	H35: 0.567015	H35f: 0.0162004
H19: -7.76662e-08	H37: -0.336209	H37f: -0.00908672

c2sd = 0.1018
c2ed = -0.0108
c3sd = -0.2071
c3ed = -0.3753
c4sd = -0.4063
c4ed = -0.599
c5sd = -0.5332
c5ed = -0.7128
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 73/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.73
Actual Amplitude: 0.73
Actual Power: 0.5329
Distortion 2H-34H: 4.3245e-05%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total weighting events: 72
Delta Friendly: No

P1 start: 5.5864	end: 6.2159	delta: 0.6295
P2 start: 14.1692	end: 15.9714	delta: 1.8023
P3 start: 23.2337	end: 26.1922	delta: 2.9585
P4 start: 32.463	end: 36.515	delta: 4.052
P5 start: 41.8324	end: 46.888	delta: 5.0556
P6 start: 51.3587	end: 57.2994	delta: 5.9408
P7 start: 61.0673	end: 67.7412	delta: 6.6739
P8 start: 70.9801	end: 78.1916	delta: 7.2115
P9 start: 81.1007	end: 88.6016	delta: 7.5009

H3: -1.73267e-07	H21: 1.23762e-07	H21f: 5.89344e-09
H5: 1.87128e-07	H23: -4.52001e-09	H23f: -1.96522e-10
H7: -5.94059e-08	H25: -3.32673e-08	H25f: -1.33069e-09
H9: -1.15511e-08	H27: -9.24091e-08	H27f: -3.42256e-09
H11: -3.78037e-08	H29: -2.86787e-08	H29f: -9.88921e-10
H13: -9.59633e-08	H31: 1.60971e-07	H31f: 5.1926e-09
H15: 2.35643e-07	H33: -1.26012e-08	H33f: -3.81856e-10
H17: 0.0	H35: 0.553696	H35f: 0.0158199
H19: -1.64148e-08	H37: -0.324419	H37f: -0.00876809

c2sd = 0.1025
c2ed = 0.0381
c3sd = -0.2423
c3ed = -0.3318
c4sd = -0.4687
c4ed = -0.5534
c5sd = -0.6177
c5ed = -0.6619
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 74/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.74
Actual Amplitude: 0.74
Actual Power: 0.5476
Distortion 2H-34H: 5.75827e-05%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 5.5083	end: 6.1421	delta: 0.6338
P2 start: 14.1135	end: 15.9376	delta: 1.8241
P3 start: 23.1773	end: 26.1725	delta: 2.9952
P4 start: 32.4	end: 36.5032	delta: 4.1032
P5 start: 41.7618	end: 46.8829	delta: 5.1211
P6 start: 51.2819	end: 57.3025	delta: 6.0206
P7 start: 60.9877	end: 67.7558	delta: 6.768
P8 start: 70.9035	end: 78.2221	delta: 7.3186
P9 start: 81.0345	end: 88.6509	delta: 7.6164

H3: -2.73481e-07	H21: -2.44179e-08	H21f: -1.16276e-09
H5: 6.15332e-08	H23: -1.60521e-07	H23f: -6.97919e-09
H7: 0.0	H25: 1.55884e-07	H25f: 6.23537e-09
H9: -1.48136e-07	H27: -7.59669e-09	H27f: -2.81359e-10
H11: -1.21202e-07	H29: 2.89984e-07	H29f: 9.99945e-09
H13: 1.89333e-07	H31: 1.05864e-07	H31f: 3.41495e-09
H15: 1.23066e-07	H33: 1.05663e-07	H33f: 3.20191e-09
H17: 9.049e-08	H35: 0.547186	H35f: 0.0156339
H19: 0.0	H37: -0.302687	H37f: -0.00818072

c2sd = 0.0494
c2ed = 0.0017
c3sd = -0.2944
c3ed = -0.3557
c4sd = -0.5259
c4ed = -0.571
c5sd = -0.6812
c5ed = -0.674
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 75/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.75
Actual Amplitude:	0.75
Actual Power:	0.5625
Distortion 2H-34H:	4.46356e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.584	end: 6.2294	delta: 0.6454
P2 start: 14.1317	end: 15.9776	delta: 1.8459
P3 start: 23.1657	end: 26.1965	delta: 3.0308
P4 start: 32.36674	end: 36.5201	delta: 4.1527
P5 start: 41.7128	end: 46.8973	delta: 5.1845
P6 start: 51.2204	end: 57.3184	delta: 6.098
P7 start: 60.9185	end: 67.7781	delta: 6.8596
P8 start: 70.833	end: 78.2564	delta: 7.4234
P9 start: 80.9708	end: 88.7008	delta: 7.73

H3: 6.74587e-08	H21: -1.63828e-07	H21f: -7.80134e-09
H5: 2.02376e-07	H23: 7.91906e-08	H23f: 3.44307e-09
H7: -1.44554e-07	H25: -1.61901e-08	H25f: -6.47603e-10
H9: 1.01188e-07	H27: 1.49908e-08	H27f: 5.55215e-10
H11: -1.37984e-07	H29: 8.37418e-08	H29f: 2.88765e-09
H13: -7.78369e-09	H31: -4.56978e-08	H31f: -1.47412e-09
H15: 1.61901e-07	H33: 7.35913e-08	H33f: 2.23004e-09
H17: -1.66663e-07	H35: 0.533276	H35f: 0.0152365
H19: 3.72798e-08	H37: -0.291416	H37f: -0.00787611

c2sd = 0.0789
c2ed = 0.0304
c3sd = -0.2876
c3ed = -0.3502
c4sd = -0.5334
c4ed = -0.5791
c5sd = -0.6993
c5ed = -0.6906
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 76/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.76
Actual Amplitude:	0.76
Actual Power:	0.5776
Distortion 2H-34H:	4.53211e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.6531	end: 6.3101	delta: 0.657
P2 start: 14.1478	end: 16.0154	delta: 1.8676
P3 start: 23.1526	end: 26.2188	delta: 3.0662
P4 start: 32.3335	end: 36.5354	delta: 4.2019
P5 start: 41.6625	end: 46.9101	delta: 5.2475
P6 start: 51.1574	end: 57.3325	delta: 6.1751
P7 start: 60.8475	end: 67.7987	delta: 6.9512
P8 start: 70.7609	end: 78.2897	delta: 7.5288
P9 start: 80.9061	end: 88.7507	delta: 7.8446

H3: -3.32855e-08	H21: -1.28387e-07	H21f: -6.11367e-09
H5: -1.99713e-08	H23: 6.94654e-08	H23f: 3.02024e-09
H7: 9.98566e-08	H25: -1.59771e-08	H25f: -6.39082e-10
H9: 0.0	H27: 9.61582e-08	H27f: 3.56141e-09
H11: -4.53894e-08	H29: -2.066e-08	H29f: -7.12413e-10
H13: -2.15076e-07	H31: -4.50965e-08	H31f: -1.45473e-09
H15: 2.79598e-07	H33: -6.05191e-09	H33f: -1.83391e-10
H17: -1.6447e-07	H35: 0.519558	H35f: 0.0148445
H19: 8.40897e-08	H37: -0.279732	H37f: -0.00756033

c2sd = 0.1083
c2ed = 0.0548
c3sd = -0.2789
c3ed = -0.3497
c4sd = -0.5377
c4ed = -0.5933
c5sd = -0.7131
c5ed = -0.7143
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.77
 Actual Amplitude: 0.77
 Actual Power: 0.5929
 Distortion 2H-34H: 5.54474e-05%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total weighting events: 72
 Delta Friendly: No

P1 start: 5.8512	end: 6.5286	delta: 0.6773
P2 start: 14.2344	end: 16.1241	delta: 1.8898
P3 start: 23.1833	end: 26.2838	delta: 3.1005
P4 start: 32.3297	end: 36.579	delta: 4.2494
P5 start: 41.6336	end: 46.9419	delta: 5.3083
P6 start: 51.1094	end: 57.3591	delta: 6.2497
P7 start: 60.7867	end: 67.8268	delta: 7.0401
P8 start: 70.6947	end: 78.3264	delta: 7.6317
P9 start: 80.8438	end: 88.8011	delta: 7.9574

H3: -2.29973e-07	H21: -1.59573e-07	H21f: -7.59871e-09
H5: 1.97119e-08	H23: 2.82824e-07	H23f: 1.22967e-08
H7: 9.85597e-08	H25: -2.28659e-07	H25f: -9.14634e-09
H9: -7.66576e-08	H27: 7.30072e-09	H27f: 2.70397e-10
H11: 1.4336e-07	H29: -1.29147e-07	H29f: -4.45335e-09
H13: -3.03261e-08	H31: 1.65326e-07	H31f: 5.3331e-09
H15: 5.91358e-08	H33: 5.97332e-08	H33f: 1.8101e-09
H17: -8.69645e-08	H35: 0.499205	H35f: 0.014263
H19: -2.59368e-08	H37: -0.277639	H37f: -0.00750377

c2sd = 0.2095
 c2ed = 0.149
 c3sd = -0.2245
 c3ed = -0.3085
 c4sd = -0.5093
 c4ed = -0.582
 c5sd = -0.7023
 c5ed = -0.7223
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 78/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.78
Actual Amplitude:	0.78
Actual Power:	0.6084
Distortion 2H-34H:	4.29464e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 5.8183	end: 6.5016	delta: 0.6833
P2 start: 14.198	end: 16.1089	delta: 1.9109
P3 start: 23.1373	end: 26.2732	delta: 3.1359
P4 start: 32.2724	end: 36.5712	delta: 4.2988
P5 start: 41.5654	end: 46.9371	delta: 5.3717
P6 start: 51.0322	end: 57.3598	delta: 6.3275
P7 start: 60.7043	end: 67.8376	delta: 7.1332
P8 start: 70.614	end: 78.3541	delta: 7.7401
P9 start: 80.7742	end: 88.8508	delta: 8.0765

H3: -3.24321e-08	H21: -7.87636e-08	H21f: -3.75065e-09
H5: -1.16755e-07	H23: -8.88356e-08	H23f: -3.86242e-09
H7: -1.25095e-07	H25: 2.25727e-07	H25f: 9.02908e-09
H9: -1.08107e-08	H27: -1.15314e-07	H27f: -4.27089e-09
H11: 8.84511e-08	H29: 1.34202e-07	H29f: 4.62764e-09
H13: 1.12265e-07	H31: -6.90489e-08	H31f: -2.22738e-09
H15: -3.89185e-08	H33: 9.43478e-08	H33f: 2.85902e-09
H17: 1.20189e-07	H35: 0.490403	H35f: 0.0140115
H19: -8.70545e-08	H37: -0.258522	H37f: -0.00698709

c2sd = 0.1786
c2ed = 0.1283
c3sd = -0.2614
c3ed = -0.328
c4sd = -0.5544
c4ed = -0.602
c5sd = -0.7555
c5ed = -0.742
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 79/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.79
Actual Amplitude:	0.79
Actual Power:	0.6241
Distortion 2H-34H:	4.48603e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total weighting events:	72
Delta Friendly:	No

P1 start: 5.8993	end: 6.5964	delta: 0.6972
P2 start: 14.2248	end: 16.1572	delta: 1.9325
P3 start: 23.1307	end: 26.301	delta: 3.1703
P4 start: 32.2421	end: 36.5886	delta: 4.3465
P5 start: 41.5162	end: 46.9493	delta: 5.4331
P6 start: 50.9683	end: 57.3713	delta: 6.4029
P7 start: 60.6307	end: 67.8545	delta: 7.2239
P8 start: 70.5381	end: 78.3846	delta: 7.8465
P9 start: 80.7065	end: 88.9009	delta: 8.1944

H3: -6.4043e-08	H21: 7.3192e-08	H21f: 3.48533e-09
H5: 3.84258e-08	H23: -8.35344e-08	H23f: -3.63193e-09
H7: -1.50959e-07	H25: 1.84444e-07	H25f: 7.37776e-09
H9: -4.26953e-08	H27: 1.42318e-07	H27f: 5.27103e-09
H11: -1.22264e-07	H29: -6.62514e-09	H29f: -2.28453e-10
H13: 1.47792e-08	H31: -1.23954e-08	H31f: -3.99852e-10
H15: 5.76387e-08	H33: 2.67816e-07	H33f: 8.11564e-09
H17: 2.26034e-08	H35: 0.475688	H35f: 0.0135911
H19: 1.16289e-07	H37: -0.247948	H37f: -0.00670131

c2sd = 0.2123
c2ed = 0.1697
c3sd = -0.2568
c3ed = -0.3115
c4sd = -0.5695
c4ed = -0.5999
c5sd = -0.7858
c5ed = -0.7487
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 80/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.8
Actual Amplitude:	0.8
Actual Power:	0.64
Distortion 2H-34H:	3.89384e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 5.8516	end: 6.5535	delta: 0.7019
P2 start: 14.1794	end: 16.1325	delta: 1.9532
P3 start: 23.0784	end: 26.2836	delta: 3.2052
P4 start: 32.1796	end: 36.5749	delta: 4.3953
P5 start: 41.4432	end: 46.9389	delta: 5.4957
P6 start: 50.8862	end: 57.3663	delta: 6.4801
P7 start: 60.5433	end: 67.8602	delta: 7.3169
P8 start: 70.4525	end: 78.4089	delta: 7.9564
P9 start: 80.6336	end: 88.9506	delta: 8.317

H3: -1.89727e-07	H21: -6.32425e-08	H21f: -3.01155e-09
H5: -5.69182e-08	H23: 6.59922e-08	H23f: 2.86922e-09
H7: -1.08416e-07	H25: -1.29015e-07	H25f: -5.16059e-09
H9: -6.32425e-08	H27: 1.68647e-07	H27f: 6.24617e-09
H11: 8.62398e-08	H29: 9.15926e-08	H29f: 3.15836e-09
H13: -7.29721e-09	H31: 1.16285e-07	H31f: 3.75112e-09
H15: 6.32425e-09	H33: -2.29973e-08	H33f: -6.96887e-10
H17: -5.58022e-09	H35: 0.467391	H35f: 0.013354
H19: 1.14835e-07	H37: -0.227568	H37f: -0.00615048

c2sd = 0.1783
c2ed = 0.1336
c3sd = -0.2905
c3ed = -0.3475
c4sd = -0.6066
c4ed = -0.6389
c5sd = -0.8277
c5ed = -0.7902
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 81/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.81
Actual Amplitude:	0.81
Actual Power:	0.656099
Distortion 2H-34H:	3.63648e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total weighting events:	72
Delta Friendly:	No

P1 start:	6.0219	end:	6.7452	delta:	0.7233
P2 start:	14.2597	end:	16.2349	delta:	1.9751
P3 start:	23.1053	end:	26.3438	delta:	3.2385
P4 start:	32.1719	end:	36.613	delta:	4.4411
P5 start:	41.4095	end:	46.9639	delta:	5.5544
P6 start:	50.8323	end:	57.3848	delta:	6.5526
P7 start:	60.4749	end:	67.8799	delta:	7.4049
P8 start:	70.3783	end:	78.4398	delta:	8.0616
P9 start:	80.5655	end:	89.001	delta:	8.4355

H3: 0.0	H21: -8.92311e-09	H21f: -4.2491e-10
H5: 5.62156e-08	H23: -8.9619e-08	H23f: -3.89648e-09
H7: -1.07077e-07	H25: 2.99816e-08	H25f: 1.19927e-09
H9: -4.16412e-08	H27: 2.08206e-08	H27f: 7.71133e-10
H11: -7.66576e-08	H29: 1.61539e-07	H29f: 5.57031e-09
H13: 1.72971e-07	H31: -9.06703e-08	H31f: -2.92485e-09
H15: -3.74771e-08	H33: -1.64672e-07	H33f: -4.99006e-09
H17: 5.51133e-08	H35: 0.447907	H35f: 0.0127973
H19: 6.90367e-08	H37: -0.223975	H37f: -0.00605339

c2sd = 0.2739
c2ed = 0.2207
c3sd = -0.2388
c3ed = -0.3122
c4sd = -0.5807
c4ed = -0.6345
c5sd = -0.8199
c5ed = -0.8067
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 82/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.82
Actual Amplitude: 0.82
Actual Power: 0.6724
Distortion 2H-34H: 5.57879e-05%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total switching events: 72
Delta Friendly: No

P1 start: 6.0407	end: 6.7739	delta: 0.7332
P2 start: 14.2526	end: 16.2485	delta: 1.9959
P3 start: 23.0766	end: 26.3489	delta: 3.2723
P4 start: 32.1249	end: 36.613	delta: 4.4881
P5 start: 41.3466	end: 46.9614	delta: 5.6148
P6 start: 50.756	end: 57.3833	delta: 6.6272
P7 start: 60.3898	end: 67.8856	delta: 7.4959
P8 start: 70.2921	end: 78.4632	delta: 8.1711
P9 start: 80.491	end: 89.0511	delta: 8.5601

H3: 6.17e-08	H21: 1.76286e-08	H21f: 8.39456e-10
H5: 5.553e-08	H23: -1.60957e-07	H23f: -6.99811e-09
H7: -1.45436e-07	H25: -2.14716e-07	H25f: -8.58864e-09
H9: 2.05667e-07	H27: -1.50822e-07	H27f: -5.58601e-09
H11: 8.41364e-08	H29: -1.59569e-07	H29f: -5.50238e-09
H13: 1.49504e-07	H31: 7.16516e-08	H31f: 2.31134e-09
H15: -2.0361e-07	H33: -1.45836e-07	H33f: -4.41928e-09
H17: 1.63324e-08	H35: 0.436088	H35f: 0.0124597
H19: -1.51003e-07	H37: -0.208604	H37f: -0.00563796

c2sd = 0.2784
c2ed = 0.2227
c3sd = -0.2483
c3ed = -0.3262
c4sd = -0.6017
c4ed = -0.6604
c5sd = -0.8507
c5ed = -0.8412
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 83/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.83
Actual Amplitude:	0.83
Actual Power:	0.6889
Distortion 2H-34H:	5.07351e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 6.0063	end: 6.7448	delta: 0.7385
P2 start: 14.2128	end: 16.2288	delta: 2.016
P3 start: 23.0266	end: 26.3326	delta: 3.306
P4 start: 32.0626	end: 36.5978	delta: 4.5352
P5 start: 41.2718	end: 46.9472	delta: 5.6754
P6 start: 50.6702	end: 57.3724	delta: 6.7022
P7 start: 60.2965	end: 67.8842	delta: 7.5877
P8 start: 70.1994	end: 78.4822	delta: 8.2828
P9 start: 80.4125	end: 89.101	delta: 8.6885

H3: -1.52392e-07	H21: -1.74162e-07	H21f: -8.29342e-09
H5: 1.28009e-07	H23: -3.18035e-08	H23f: -1.38276e-09
H7: -1.30621e-07	H25: 2.34073e-07	H25f: 9.36294e-09
H9: -5.07972e-08	H27: -9.48214e-08	H27f: -3.5119e-09
H11: -1.57933e-07	H29: 1.63952e-07	H29f: 5.65353e-09
H13: 1.40669e-08	H31: 1.06182e-07	H31f: 3.42524e-09
H15: 1.76774e-07	H33: 1.1083e-08	H33f: 3.35849e-10
H17: 0.0	H35: 0.426883	H35f: 0.0121967
H19: 9.14349e-08	H37: -0.188909	H37f: -0.00510564

c2sd = 0.2655
c2ed = 0.176
c3sd = -0.2544
c3ed = -0.3864
c4sd = -0.6044
c4ed = -0.7352
c5sd = -0.852
c5ed = -0.929
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.84
 Actual Amplitude: 0.84
 Actual Power: 0.7056
 Distortion 2H-34H: 3.5419e-05%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 6.2085	end: 6.9742	delta: 0.7657
P2 start: 14.3223	end: 16.3609	delta: 2.0386
P3 start: 23.0727	end: 26.4108	delta: 3.338
P4 start: 32.0672	end: 36.646	delta: 4.5788
P5 start: 41.2453	end: 46.9764	delta: 5.7311
P6 start: 50.619	end: 57.3902	delta: 6.7712
P7 start: 60.2269	end: 67.8998	delta: 7.6729
P8 start: 70.1207	end: 78.509	delta: 8.3883
P9 start: 80.3398	end: 89.1518	delta: 8.812

H3: -3.01155e-08	H21: 3.01155e-08	H21f: 1.43407e-09
H5: 0.0	H23: -8.64183e-08	H23f: -3.75732e-09
H7: -1.29066e-07	H25: 5.0594e-08	H25f: 2.02376e-09
H9: 1.60616e-07	H27: -4.68463e-08	H27f: -1.73505e-09
H11: 8.21331e-09	H29: 1.24616e-08	H29f: 4.2971e-10
H13: -2.08492e-08	H31: 1.9235e-07	H31f: 6.20485e-09
H15: 1.32508e-07	H33: 7.1182e-08	H33f: 2.15703e-09
H17: -8.50319e-08	H35: 0.405182	H35f: 0.0115766
H19: 3.80406e-08	H37: -0.188574	H37f: -0.0050966

c2sd = 0.3724
 c2ed = 0.3107
 c3sd = -0.2125
 c3ed = -0.304
 c4sd = -0.6054
 c4ed = -0.6813
 c5sd = -0.8856
 c5ed = -0.8927
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 85/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.85
Actual Amplitude:	0.85
Actual Power:	0.7225
Distortion 2H-34H:	5.80282e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start:	6.2408	end:	7.0183	delta:	0.7775
P2 start:	14.3252	end:	16.3843	delta:	2.0591
P3 start:	23.0497	end:	26.4203	delta:	3.3706
P4 start:	32.0228	end:	36.6466	delta:	4.6238
P5 start:	41.1821	end:	46.9711	delta:	5.789
P6 start:	50.5397	end:	57.3826	delta:	6.8429
P7 start:	60.1357	end:	67.8974	delta:	7.7616
P8 start:	70.0263	end:	78.5257	delta:	8.4993
P9 start:	80.2583	end:	89.202	delta:	8.9437

H3: -2.97612e-08	H21: -9.35351e-08	H21f: -4.45405e-09
H5: -3.57134e-08	H23: -1.47512e-07	H23f: -6.41356e-09
H7: -8.92835e-08	H25: -1.64282e-07	H25f: -6.57127e-09
H9: 0.0	H27: 2.44703e-07	H27f: 9.06307e-09
H11: 1.2175e-07	H29: -2.46299e-08	H29f: -8.49308e-10
H13: 5.49437e-08	H31: 2.88011e-07	H31f: 9.29069e-09
H15: 2.02376e-07	H33: -2.48912e-07	H33f: -7.54278e-09
H17: -4.72677e-08	H35: 0.392336	H35f: 0.0112096
H19: 5.16905e-08	H37: -0.174259	H37f: -0.00470972

c2sd = 0.3783
c2ed = 0.3311
c3sd = -0.2306
c3ed = -0.2993
c4sd = -0.6433
c4ed = -0.6873
c5sd = -0.9406
c5ed = -0.9062
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 86/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.86
Actual Amplitude: 0.86
Actual Power: 0.739599
Distortion 2H-34H: 4.9153e-05%
First strong harmonics: 35 and 37
Pulses per sine cycle: 76
Total switching events: 72
Delta Friendly: No

P1 start: 6.2845	end: 7.0753	delta: 0.7908
P2 start: 14.3363	end: 16.416	delta: 2.0797
P3 start: 23.0318	end: 26.4345	delta: 3.4027
P4 start: 31.9814	end: 36.6494	delta: 4.668
P5 start: 41.1203	end: 46.9659	delta: 5.8456
P6 start: 50.4602	end: 57.3735	delta: 6.9132
P7 start: 60.0429	end: 67.8921	delta: 7.8492
P8 start: 69.929	end: 78.5397	delta: 8.6106
P9 start: 80.174	end: 89.2524	delta: 9.0784

H3: -5.88303e-08	H21: -1.68086e-08	H21f: -8.00412e-10
H5: 5.29472e-08	H23: -2.45552e-07	H23f: -1.06762e-08
H7: 5.04259e-08	H25: 7.05963e-08	H25f: 2.82385e-09
H9: 1.07855e-07	H27: -2.15711e-07	H27f: -7.98929e-09
H11: -1.52424e-07	H29: -2.43436e-07	H29f: -8.39433e-09
H13: 8.14573e-08	H31: 3.98528e-08	H31f: 1.28557e-09
H15: -9.41284e-08	H33: 4.27856e-08	H33f: 1.29653e-09
H17: 6.74818e-08	H35: 0.378729	H35f: 0.0108208
H19: -5.57339e-08	H37: -0.160913	H37f: -0.004349

c2sd = 0.4056
c2ed = 0.3467
c3sd = -0.2221
c3ed = -0.3116
c4sd = -0.6489
c4ed = -0.7204
c5sd = -0.9582
c5ed = -0.9555
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.87
Actual Amplitude:	0.87
Actual Power:	0.7569
Distortion 2H-34H:	5.91083e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start:	6.5211	end:	7.3488	delta:	0.8278
P2 start:	14.4914	end:	16.5964	delta:	2.105
P3 start:	23.1114	end:	26.545	delta:	3.4336
P4 start:	32.0091	end:	36.7177	delta:	4.7086
P5 start:	41.1087	end:	47.0057	delta:	5.8969
P6 start:	50.4168	end:	57.3937	delta:	6.9768
P7 start:	59.9744	end:	67.9035	delta:	7.9292
P8 start:	69.8455	end:	78.5606	delta:	8.7151
P9 start:	80.0948	end:	89.3035	delta:	9.2087

H3: 1.45385e-07	H21: -6.64617e-08	H21f: -3.16484e-09
H5: 1.74462e-07	H23: 2.50315e-07	H23f: 1.08833e-08
H7: -2.11847e-07	H25: -8.37418e-08	H25f: -3.34967e-09
H9: 1.93847e-08	H27: 2.45539e-07	H27f: 9.09404e-09
H11: 3.17204e-08	H29: -2.94781e-07	H29f: -1.01649e-08
H13: -8.7231e-08	H31: 9.00449e-08	H31f: 2.90468e-09
H15: 6.97848e-08	H33: -8.45877e-08	H33f: -2.56326e-09
H17: 2.05249e-08	H35: 0.353745	H35f: 0.010107
H19: -4.59111e-08	H37: -0.165501	H37f: -0.00447301

c2sd = 0.5761
c2ed = 0.5118
c3sd = -0.1175
c3ed = -0.2261
c4sd = -0.5872
c4ed = -0.686
c5sd = -0.928
c5ed = -0.9576
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 88/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.88
Actual Amplitude:	0.88
Actual Power:	0.7744
Distortion 2H-34H:	6.46532e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 6.8173	end: 7.6964	delta: 0.8791
P2 start: 14.7212	end: 16.8575	delta: 2.1364
P3 start: 23.2496	end: 26.7145	delta: 3.465
P4 start: 32.0804	end: 36.8274	delta: 4.747
P5 start: 41.1292	end: 47.0738	delta: 5.9445
P6 start: 50.3962	end: 57.4316	delta: 7.0354
P7 start: 59.9205	end: 67.9239	delta: 8.0034
P8 start: 69.7693	end: 78.5841	delta: 8.8148
P9 start: 80.0173	end: 89.3551	delta: 9.3378

H3: 2.87466e-08	H21: -1.14986e-07	H21f: -5.47554e-09
H5: 3.44959e-08	H23: -1.19986e-07	H23f: -5.21677e-09
H7: -2.58719e-07	H25: -2.75967e-07	H25f: -1.10387e-08
H9: 2.87466e-07	H27: 1.78868e-07	H27f: 6.62473e-09
H11: -1.568e-07	H29: -2.55746e-07	H29f: -8.81881e-09
H13: -1.52578e-07	H31: 8.34578e-08	H31f: 2.69219e-09
H15: -4.02452e-08	H33: -5.22665e-08	H33f: -1.58383e-09
H17: -1.01459e-08	H35: 0.32285	H35f: 0.00922429
H19: 7.71619e-08	H37: -0.1788	H37f: -0.00483243

c2sd = 0.8228
c2ed = 0.7559
c3sd = 0.0484
c3ed = -0.0843
c4sd = -0.4782
c4ed = -0.6139
c5sd = -0.861
c5ed = -0.936
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.89
Actual Amplitude:	0.89
Actual Power:	0.7921
Distortion 2H-34H:	8.35304e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 6.8928	end: 7.7938	delta: 0.901
P2 start: 14.7734	end: 16.9335	delta: 2.1602
P3 start: 23.2634	end: 26.7595	delta: 3.4961
P4 start: 32.0611	end: 36.8492	delta: 4.788
P5 start: 41.0814	end: 47.0776	delta: 5.9962
P6 start: 50.3232	end: 57.4224	delta: 7.0992
P7 start: 59.8264	end: 67.9106	delta: 8.0842
P8 start: 69.6636	end: 78.5882	delta: 8.9246
P9 start: 79.9225	end: 89.4058	delta: 9.4833

H3: -8.52708e-08	H21: 8.93313e-08	H21f: 4.25387e-09
H5: 2.0465e-07	H23: 1.63127e-07	H23f: 7.09247e-09
H7: -3.28902e-07	H25: -3.41083e-07	H25f: -1.36433e-08
H9: 2.27389e-07	H27: 8.84289e-08	H27f: 3.27515e-09
H11: -2.71316e-07	H29: -2.23468e-07	H29f: -7.7058e-09
H13: 2.7549e-07	H31: 2.80568e-07	H31f: 9.05059e-09
H15: -1.70542e-07	H33: -3.61755e-08	H33f: -1.09623e-09
H17: 4.51434e-08	H35: 0.306297	H35f: 0.00875136
H19: 1.39126e-07	H37: -0.16984	H37f: -0.00459026

c2sd = 0.8828
c2ed = 0.8241
c3sd = 0.075
c3ed = -0.0521
c4sd = -0.4801
c4ed = -0.6096
c5sd = -0.8875
c5ed = -0.9536
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 90/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.9
Actual Amplitude: 0.899999
Actual Power: 0.809999
Distortion 2H-34H: 4.81072e-05%
First strong harmonics: 35 and 37
Pulses per sine cycle: 36
Total weighting events: 72
Delta Friendly: No

P1 start: 7.0689	end: 8.0106	delta: 0.9417
P2 start: 14.9294	end: 17.1216	delta: 2.1922
P3 start: 23.3579	end: 26.8861	delta: 3.5282
P4 start: 32.1022	end: 36.9286	delta: 4.8263
P5 start: 41.0783	end: 47.1211	delta: 6.0428
P6 start: 50.2822	end: 57.4383	delta: 7.1561
P7 start: 59.7532	end: 67.91	delta: 8.1569
P8 start: 69.5682	end: 78.5956	delta: 9.0275
P9 start: 79.8298	end: 89.4572	delta: 9.6274

H3: -1.68647e-07	H21: -2.40924e-08	H21f: -1.14726e-09
H5: 1.01188e-07	H23: -1.17319e-07	H23f: -5.10085e-09
H7: -1.56601e-07	H25: 4.04752e-08	H25f: 1.61901e-09
H9: -1.03062e-07	H27: 1.06185e-07	H27f: 3.93278e-09
H11: -8.43234e-08	H29: -1.45385e-07	H29f: -5.01328e-09
H13: 1.8162e-07	H31: 2.06728e-07	H31f: 6.66865e-09
H15: -7.30803e-08	H33: -1.40539e-07	H33f: -4.25876e-09
H17: 3.47214e-08	H35: 0.281373	H35f: 0.00803922
H19: -8.87615e-09	H37: -0.173361	H37f: -0.00468543

c2sd = 1.0622
c2ed = 0.9888
c3sd = 0.2076
c3ed = 0.0364
c4sd = -0.3874
c4ed = -0.5818
c5sd = -0.827
c5ed = -0.9736
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 91/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.91
Actual Amplitude:	0.91
Actual Power:	0.8281
Distortion 2H-34H:	5.82987e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 7.1444	end: 8.1109	delta: 0.9665
P2 start: 14.9927	end: 17.2111	delta: 2.2184
P3 start: 23.3835	end: 26.9427	delta: 3.5592
P4 start: 32.0915	end: 36.9568	delta: 4.8653
P5 start: 41.0349	end: 47.1257	delta: 6.0909
P6 start: 50.209	end: 57.4236	delta: 7.2146
P7 start: 59.6535	end: 67.8851	delta: 8.2316
P8 start: 69.4508	end: 78.5865	delta: 9.1357
P9 start: 79.7217	end: 89.5082	delta: 9.7864

H3: -1.94592e-07	H21: -7.94254e-08	H21f: -3.78216e-09
H5: 1.66793e-08	H23: 4.35113e-08	H23f: 1.8918e-09
H7: -1.78707e-07	H25: -6.67174e-08	H25f: -2.66869e-09
H9: 1.38994e-07	H27: -1.05018e-07	H27f: -3.88956e-09
H11: -1.44049e-07	H29: -7.47695e-08	H29f: -2.57826e-09
H13: 8.98118e-08	H31: 1.69484e-07	H31f: 5.46721e-09
H15: -3.05788e-07	H33: -1.94592e-07	H33f: -5.89674e-09
H17: -9.32081e-08	H35: 0.263967	H35f: 0.00754191
H19: -1.53625e-07	H37: -0.165305	H37f: -0.00446769

c2sd = 1.1491
c2ed = 1.0547
c3sd = 0.2718
c3ed = 0.0544
c4sd = -0.3457
c4ed = -0.606
c5sd = -0.8057
c5ed = -1.0336
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 92/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.92
Actual Amplitude:	0.92
Actual Power:	0.8464
Distortion 2H-34H:	6.71361e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total weighting events:	72
Delta Friendly:	No

P1 start:	7.2167	end:	8.2083	delta:	0.9916
P2 start:	15.0561	end:	17.3014	delta:	2.2453
P3 start:	23.4104	end:	27.0003	delta:	3.5899
P4 start:	32.0813	end:	36.9844	delta:	4.9031
P5 start:	40.9906	end:	47.1275	delta:	6.1369
P6 start:	50.1328	end:	57.403	delta:	7.2702
P7 start:	59.5481	end:	67.8507	delta:	8.3025
P8 start:	69.3243	end:	78.5671	delta:	9.2428
P9 start:	79.6033	end:	89.5593	delta:	9.956

H3: -1.92477e-07	H21: -7.07059e-08	H21f: -3.36695e-09
H5: 1.31984e-07	H23: -1.6498e-07	H23f: -7.17306e-09
H7: -2.00333e-07	H25: -2.11175e-07	H25f: -8.447e-09
H9: 1.37484e-07	H27: 6.11039e-08	H27f: 2.26311e-09
H11: -5.24938e-08	H29: -3.52717e-07	H29f: -1.21626e-08
H13: -2.09398e-07	H31: 1.3571e-07	H31f: 4.37773e-09
H15: -8.79896e-08	H33: -1.09987e-07	H33f: -3.33294e-09
H17: 6.30807e-08	H35: 0.2465	H35f: 0.00704286
H19: -2.08396e-07	H37: -0.15703	H37f: -0.00424405

c2sd = 1.2148
c2ed = 1.1427
c3sd = 0.3024
c3ed = 0.1082
c4sd = -0.3508
c4ed = -0.5835
c5sd = -0.8437
c5ed = -1.0382
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 93/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.93
Actual Amplitude:	0.93
Actual Power:	0.864901
Distortion 2H-34H:	3.26065e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 7.3426	end: 8.372	delta: 1.0293
P2 start: 15.1869	end: 17.4673	delta: 2.2804
P3 start: 23.4959	end: 27.1185	delta: 3.6226
P4 start: 32.1172	end: 37.0561	delta: 4.9389
P5 start: 40.9807	end: 47.1588	delta: 6.1781
P6 start: 50.0805	end: 57.3991	delta: 7.3186
P7 start: 59.4562	end: 67.8202	delta: 8.364
P8 start: 69.2002	end: 78.542	delta: 9.3418
P9 start: 79.4785	end: 89.6108	delta: 10.1324

H3: -8.16032e-08	H21: -8.54891e-08	H21f: -4.07091e-09
H5: 1.14244e-07	H23: 1.41919e-08	H23f: 6.17037e-10
H7: -1.16576e-07	H25: -3.91695e-08	H25f: -1.56678e-09
H9: 2.72011e-08	H27: 1.14849e-07	H27f: 4.25366e-09
H11: -1.48369e-08	H29: -1.51951e-07	H29f: -5.23968e-09
H13: -1.19266e-07	H31: 2.63236e-09	H31f: 8.49149e-11
H15: 8.70434e-08	H33: -3.95652e-08	H33f: -1.19894e-09
H17: -4.32017e-08	H35: 0.223509	H35f: 0.00638598
H19: -3.86541e-08	H37: -0.156718	H37f: -0.00423561

c2sd = 1.3698
c2ed = 1.2844
c3sd = 0.4275
c3ed = 0.1869
c4sd = -0.2612
c4ed = -0.5654
c5sd = -0.7875
c5ed = -1.073
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.94
Actual Amplitude:	0.94
Actual Power:	0.8836
Distortion 2H-34H:	0.000182419%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total weighting events:	72
Delta Friendly:	No

P1 start: 7.4214	end: 8.48	delta: 1.0586
P2 start: 15.2691	end: 17.5809	delta: 2.3118
P3 start: 23.5434	end: 27.1975	delta: 3.654
P4 start: 32.1234	end: 37.0974	delta: 4.974
P5 start: 40.9462	end: 47.1646	delta: 6.2184
P6 start: 50.0064	end: 57.3714	delta: 7.365
P7 start: 59.3432	end: 67.7653	delta: 8.4221
P8 start: 69.0533	end: 78.4936	delta: 9.4402
P9 start: 79.331	end: 89.6623	delta: 10.3313

H3: 3.2294e-07	H21: 9.4191e-07	H21f: 4.48528e-08
H5: -2.09911e-07	H23: -3.79104e-07	H23f: -1.64828e-08
H7: 4.03676e-07	H25: 6.45881e-07	H25f: 2.58352e-08
H9: -7.26616e-07	H27: -1.49509e-07	H27f: -5.53739e-09
H11: 5.57806e-07	H29: 4.37083e-07	H29f: 1.50718e-08
H13: -4.782e-07	H31: 1.32822e-07	H31f: 4.28459e-09
H15: 2.96029e-07	H33: 2.20187e-07	H33f: 6.67232e-09
H17: 3.37188e-07	H35: 0.204332	H35f: 0.00583805
H19: -1.40224e-07	H37: -0.150165	H37f: -0.00405851

c2sd = 1.472
c2ed = 1.3781
c3sd = 0.5075
c3ed = 0.2334
c4sd = -0.211
c4ed = -0.5683
c5sd = -0.7675
c5ed = -1.1216
varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 95/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.95
Actual Amplitude:	0.95
Actual Power:	0.9025
Distortion 2H-34H:	8.50768e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 7.6072	end: 8.7231	delta: 1.116
P2 start: 15.5014	end: 17.8685	delta: 2.3671
P3 start: 23.7349	end: 27.4302	delta: 3.6954
P4 start: 32.2506	end: 37.2587	delta: 5.008
P5 start: 41.0076	end: 47.2575	delta: 6.2499
P6 start: 50.0038	end: 57.4001	delta: 7.3963
P7 start: 59.2775	end: 67.7363	delta: 8.4588
P8 start: 68.9282	end: 78.4428	delta: 9.5146
P9 start: 79.1793	end: 89.7146	delta: 10.5354

H3: -7.98853e-08	H21: 2.47264e-07	H21f: 1.17745e-08
H5: -1.27816e-07	H23: -4.029e-07	H23f: -1.75174e-08
H7: -1.0271e-07	H25: 2.42851e-07	H25f: 9.71405e-09
H9: -2.57408e-07	H27: -2.24862e-07	H27f: -8.32823e-09
H11: 2.03344e-07	H29: 7.98853e-08	H29f: 2.75466e-09
H13: -2.21221e-07	H31: -2.01002e-07	H31f: -6.48392e-09
H15: -2.50307e-07	H33: -1.21038e-07	H33f: -3.66783e-09
H17: 4.69913e-08	H35: 0.172294	H35f: 0.00492269
H19: -2.73292e-07	H37: -0.161993	H37f: -0.00437818

c2sd = 1.7312
c2ed = 1.6387
c3sd = 0.7429
c3ed = 0.4222
c4sd = -0.0241
c4ed = -0.4666
c5sd = -0.6326
c5ed = -1.1022
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 96/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.96
Actual Amplitude:	0.96
Actual Power:	0.9216
Distortion 2H-34H:	8.64183e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 7.6782	end: 8.8254	delta: 1.1471
P2 start: 15.5899	end: 17.9942	delta: 2.4043
P3 start: 23.7988	end: 27.5285	delta: 3.7297
P4 start: 32.2733	end: 37.3142	delta: 5.0409
P5 start: 40.9836	end: 47.2663	delta: 6.2827
P6 start: 49.9304	end: 57.3595	delta: 7.4291
P7 start: 59.1509	end: 67.6456	delta: 8.4948
P8 start: 68.7462	end: 78.3348	delta: 9.5885
P9 start: 78.9727	end: 89.7666	delta: 10.7939

H3: 4.21617e-07	H21: -1.12933e-08	H21f: -5.37776e-10
H5: -2.68781e-07	H23: -2.68093e-07	H23f: -1.16562e-08
H7: 4.51732e-07	H25: 1.32809e-07	H25f: 5.31237e-09
H9: -2.02025e-07	H27: 1.14188e-07	H27f: 4.22918e-09
H11: 1.43733e-07	H29: 1.71736e-07	H29f: 5.92193e-09
H13: -2.67564e-07	H31: 1.78507e-08	H31f: 5.75829e-10
H15: 2.6351e-08	H33: -5.27021e-08	H33f: -1.59703e-09
H17: 4.65018e-09	H35: 0.152042	H35f: 0.00434406
H19: -1.53946e-07	H37: -0.155525	H37f: -0.00420338

c2sd = 1.843
c2ed = 1.7411
c3sd = 0.845
c3ed = 0.4824
c4sd = 0.0503
c4ed = -0.4629
c5sd = -0.5929
c5ed = -1.1572
varx = 0.0%.

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SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.97
 Actual Amplitude: 0.97
 Actual Power: 0.9409
 Distortion 2H-34H: 5.53275e-05%
 First strong harmonics: 35 and 37
 Pulses per sine cycle: 36
 Total switching events: 72
 Delta Friendly: No

P1 start: 7.7648	end: 8.9487	delta: 1.1839
P2 start: 15.707	end: 18.1556	delta: 2.4487
P3 start: 23.896	end: 27.6639	delta: 3.7679
P4 start: 32.3261	end: 37.3988	delta: 5.0727
P5 start: 40.9824	end: 47.2917	delta: 6.3094
P6 start: 49.8692	end: 57.3194	delta: 7.4501
P7 start: 59.0227	end: 67.533	delta: 8.5103
P8 start: 68.5422	end: 78.174	delta: 9.6318
P9 start: 78.7136	end: 89.819	delta: 11.1054

H3: -1.04318e-07	H21: -3.35306e-08	H21f: -1.5967e-09
H5: 1.56476e-08	H23: 6.80332e-08	H23f: 2.95796e-09
H7: 0.0	H25: -3.37989e-07	H25f: -1.35196e-08
H9: -6.9545e-08	H27: 1.47783e-07	H27f: 5.47345e-09
H11: 1.99152e-07	H29: -1.32195e-07	H29f: -4.55846e-09
H13: -1.4444e-07	H31: 1.86762e-07	H31f: 6.02458e-09
H15: -4.1727e-08	H33: -1.01947e-07	H33f: -3.08929e-09
H17: -1.33465e-07	H35: 0.12878	H35f: 0.00367944
H19: -7.41204e-08	H37: -0.152052	H37f: -0.00410952

c2sd = 2.0028
 c2ed = 1.8599
 c3sd = 1.0119
 c3ed = 0.5481
 c4sd = 0.1977
 c4ed = -0.4728
 c5sd = -0.4775
 c5ed = -1.2484
 varx = 0.0%.

STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 98/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.98
Actual Amplitude:	0.98
Actual Power:	0.9604
Distortion 2H-34H:	9.59899e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 7.8884	end: 9.1219	delta: 1.2335
P2 start: 15.8916	end: 18.4026	delta: 2.511
P3 start: 24.0751	end: 27.8936	delta: 3.8185
P4 start: 32.4588	end: 37.5655	delta: 5.1067
P5 start: 41.0481	end: 47.3757	delta: 6.3276
P6 start: 49.8554	end: 57.3068	delta: 7.4514
P7 start: 58.9158	end: 67.4058	delta: 8.49
P8 start: 68.3214	end: 77.932	delta: 9.6106
P9 start: 78.3735	end: 89.8722	delta: 11.4987

H3: 7.74398e-08	H21: 2.13881e-07	H21f: 1.01848e-08
H5: -2.78783e-07	H23: -3.56896e-07	H23f: -1.55172e-08
H7: 2.87633e-07	H25: 1.51782e-07	H25f: 6.07128e-09
H9: -3.35572e-07	H27: -1.95034e-07	H27f: -7.22346e-09
H11: 1.83039e-07	H29: 1.33517e-07	H29f: 4.60403e-09
H13: -3.03802e-07	H31: -9.24281e-08	H31f: -2.98155e-09
H15: 1.39392e-07	H33: -5.63198e-08	H33f: -1.70666e-09
H17: -4.55528e-08	H35: 0.0983558	H35f: 0.00281017
H19: -4.80942e-07	H37: -0.156703	H37f: -0.00423522

c2sd = 2.2476
c2ed = 2.0467
c3sd = 1.2891
c3ed = 0.6795
c4sd = 0.4637
c4ed = -0.4394
c5sd = -0.2474
c5ed = -1.3288
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC36 - 99/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.99
Actual Amplitude:	0.99
Actual Power:	0.9801
Distortion 2H-34H:	0.000109593%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 7.8443	end: 9.078	delta: 1.2336
P2 start: 15.8076	end: 18.3219	delta: 2.5143
P3 start: 23.9546	end: 27.7815	delta: 3.8268
P4 start: 32.302	end: 37.4204	delta: 5.1184
P5 start: 40.8505	end: 47.1883	delta: 6.3377
P6 start: 49.6069	end: 57.0572	delta: 7.4503
P7 start: 58.5965	end: 67.0543	delta: 8.4578
P8 start: 67.8917	end: 77.411	delta: 9.5193
P9 start: 77.7626	end: 89.9254	delta: 12.1628

H3: 1.27763e-07	H21: -1.16812e-07	H21f: -5.56245e-09
H5: -3.98619e-07	H23: -3.3996e-07	H23f: -1.47809e-08
H7: 4.92799e-07	H25: 1.96243e-07	H25f: 7.84974e-09
H9: -5.62155e-07	H27: -3.407e-08	H27f: -1.26185e-09
H11: 2.92693e-07	H29: -1.00448e-07	H29f: -3.46372e-09
H13: -3.42011e-07	H31: -1.60734e-07	H31f: -5.18496e-09
H15: -1.37984e-07	H33: -1.0221e-07	H33f: -3.09728e-09
H17: 1.48806e-07	H35: 0.0909629	H35f: 0.00259894
H19: 8.87614e-08	H37: -0.122255	H37f: -0.0033042

c2sd = 2.3574
c2ed = 1.7721
c3sd = 1.4853
c3ed = 0.2508
c4sd = 0.7366
c4ed = -1.0142
c5sd = 0.0847
c5ed = -2.0459
varx = 0.0%.

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STEP-LOCKED MAGIC SINEWAVE ANXC36 - 100/100

SUMMARY: This steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 34 are virtually zero. The first major harmonics are 35th and 37th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	1.0
Actual Amplitude:	1.0
Actual Power:	1.0
Distortion 2H-34H:	8.16286e-05%
First strong harmonics:	35 and 37
Pulses per sine cycle:	36
Total locking events:	72
Delta Friendly:	No

P1 start: 7.7687	end: 8.9922	delta: 1.2235
P2 start: 15.6674	end: 18.169	delta: 2.5016
P3 start: 23.7604	end: 27.5759	delta: 3.8155
P4 start: 32.0561	end: 37.1618	delta: 5.1057
P5 start: 40.546	end: 46.8608	delta: 6.3148
P6 start: 49.2259	end: 56.6244	delta: 7.3985
P7 start: 58.1026	end: 66.433	delta: 8.3305
P8 start: 67.2019	end: 76.3552	delta: 9.1533
P9 start: 76.6288	end: 89.9804	delta: 13.3517

H3: 7.5891e-08	H21: 1.80693e-07	H21f: 8.60442e-09
H5: -1.21426e-07	H23: -3.69556e-07	H23f: -1.60677e-08
H7: 3.57772e-07	H25: 1.24461e-07	H25f: 4.97845e-09
H9: -9.27557e-08	H27: -1.01188e-07	H27f: -3.7477e-09
H11: -6.89918e-08	H29: 1.77951e-07	H29f: 6.13625e-09
H13: 1.45944e-07	H31: 1.95848e-08	H31f: 6.31767e-10
H15: -2.98505e-07	H33: -7.35913e-08	H33f: -2.23004e-09
H17: 2.58922e-07	H35: 0.0811063	H35f: 0.00231732
H19: -3.07558e-07	H37: -0.0722432	H37f: -0.00195252

c2sd = 2.4697
c2ed = 1.3667
c3sd = 1.7033
c3ed = -0.367
c4sd = 1.0502
c4ed = -1.8323
c5sd = 0.4699
c5ed = -3.0632
varx = 0.0%.

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