

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.292002%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.449	end: 7.4687	delta: 0.0197
P2 start: 22.4139	end: 22.4713	delta: 0.0573
P3 start: 37.4545	end: 37.5456	delta: 0.0911
P4 start: 52.4406	end: 52.5596	delta: 0.119
P5 start: 67.4307	end: 67.5693	delta: 0.1386
P6 start: 82.4256	end: 82.5744	delta: 0.1488

H3: -0.000946107	H21: 0.000926954	H21f: 4.41407e-05
H5: 0.000323295	H23: 1.00345	H23f: 0.0436282
H7: 0.00113728	H25: -0.99626	H25f: -0.0398504
H9: 0.0013087	H27: 0.00283242	H27f: 0.000104904
H11: 0.000562283	H29: -0.000849717	H29f: -2.93006e-05
H13: -0.000503799	H31: -0.00350983	H31f: -0.00011322
H15: -0.00122235	H33: -0.00387918	H33f: -0.000117551
H17: -0.00123702	H35: -0.00170017	H35f: -4.85764e-05
H19: -0.000259228	H37: 0.00151515	H37f: 4.09501e-05

c1sd = -0.0412
 c1ed = -0.0215
 c2sd = -0.0574
 c2ed = 0.0
 c3sd = 0.0002
 c3ed = -0.0001
 c4sd = 0.0001
 c4ed = 0.0
 varx = 4.7441%.

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Desired Amplitude: 0.02
 Actual Amplitude: 0.02
 Actual Power: 0.0004
 Distortion 2H-18H: 0.564545%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.4105 end: 7.45 delta: 0.0395
 P2 start: 22.3317 end: 22.4463 delta: 0.1146
 P3 start: 37.4085 end: 37.5905 delta: 0.182
 P4 start: 52.3812 end: 52.6192 delta: 0.238
 P5 start: 67.3601 end: 67.6376 delta: 0.2775
 P6 start: 82.3507 end: 82.6485 delta: 0.2978

H3: -0.00165569	H21: 0.00164557	H21f: 7.83604e-05
H5: 0.000552486	H23: 1.00633	H23f: 0.0437537
H7: 0.00246862	H25: -0.992577	H25f: -0.0397031
H9: 0.00244791	H27: 0.0049145	H27f: 0.000182019
H11: 0.00102867	H29: -0.00146247	H29f: -5.043e-05
H13: -0.000929081	H31: -0.00718345	H31f: -0.000231724
H15: -0.00246924	H33: -0.00745755	H33f: -0.000225986
H17: -0.00236624	H35: -0.00321452	H35f: -9.18436e-05
H19: -0.000642477	H37: 0.00267628	H37f: 7.2332e-05

c1sd = -0.0699
 c1ed = -0.0304
 c2sd = -0.1108
 c2ed = 0.0038
 c3sd = 0.0
 c3ed = -0.0009
 c4sd = 0.0003
 c4ed = 0.0
 varx = 4.7266%.

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Desired Amplitude: 0.03
 Actual Amplitude: 0.0300288
 Actual Power: 0.000901727
 Distortion 2H-18H: 0.835234%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.4494	end: 7.5093	delta: 0.0599
P2 start: 22.2541	end: 22.4264	delta: 0.1724
P3 start: 37.3562	end: 37.6292	delta: 0.273
P4 start: 52.3203	end: 52.6777	delta: 0.3574
P5 start: 67.2852	end: 67.7019	delta: 0.4167
P6 start: 82.273	end: 82.7202	delta: 0.4471

H3: -0.00133356	H21: 0.0010783	H21f: 5.13478e-05
H5: 0.00122421	H23: 1.00807	H23f: 0.0438291
H7: 0.00408444	H25: -0.989479	H25f: -0.0395791
H9: 0.00360558	H27: 0.00352021	H27f: 0.000130378
H11: 0.00144445	H29: -0.00338219	H29f: -0.000116627
H13: -0.00115885	H31: -0.0122126	H31f: -0.000393955
H15: -0.00345782	H33: -0.0108833	H33f: -0.000329797
H17: -0.00425935	H35: -0.00456888	H35f: -0.000130539
H19: -0.00145292	H37: 0.00323341	H37f: 8.73895e-05

c1sd = -0.0213
 c1ed = 0.0386
 c2sd = -0.1602
 c2ed = 0.0121
 c3sd = -0.0074
 c3ed = -0.0071
 c4sd = -0.0021
 c4ed = 0.0
 varx = 4.7118%.

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Desired Amplitude: 0.04
 Actual Amplitude: 0.040022
 Actual Power: 0.00160176
 Distortion 2H-18H: 0.924095%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.3994	end: 7.4794	delta: 0.0799
P2 start: 22.1981	end: 22.4279	delta: 0.2298
P3 start: 37.3014	end: 37.665	delta: 0.3635
P4 start: 52.2601	end: 52.7366	delta: 0.4765
P5 start: 67.2122	end: 67.7678	delta: 0.5556
P6 start: 82.1967	end: 82.7926	delta: 0.596

H3: -0.00151193	H21: 0.00137432	H21f: 6.54437e-05
H5: 0.00125569	H23: 1.01021	H23f: 0.0439221
H7: 0.00481291	H25: -0.985521	H25f: -0.0394209
H9: 0.00375244	H27: 0.00381831	H27f: 0.000141419
H11: 0.00129789	H29: -0.00345043	H29f: -0.00011898
H13: -0.0011745	H31: -0.0141597	H31f: -0.000456766
H15: -0.00357706	H33: -0.0113453	H33f: -0.000343796
H17: -0.00487299	H35: -0.00444976	H35f: -0.000127136
H19: -0.00167138	H37: 0.00294972	H37f: 7.97222e-05

c1sd = -0.0616
 c1ed = 0.0183
 c2sd = -0.1878
 c2ed = 0.042
 c3sd = -0.017
 c3ed = -0.0165
 c4sd = -0.0034
 c4ed = 0.0
 varx = 4.693%.

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Desired Amplitude: 0.05
 Actual Amplitude: 0.0500294
 Actual Power: 0.00250294
 Distortion 2H-18H: 0.709415%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.34	end: 7.4397	delta: 0.0997
P2 start: 22.1915	end: 22.4795	delta: 0.288
P3 start: 37.2278	end: 37.6828	delta: 0.4551
P4 start: 52.1974	end: 52.793	delta: 0.5956
P5 start: 67.1343	end: 67.8288	delta: 0.6945
P6 start: 82.1208	end: 82.8655	delta: 0.7447

H3: -0.000629525	H21: 0.00066167	H21f: 3.15081e-05
H5: 0.00140771	H23: 1.01154	H23f: 0.0439799
H7: 0.00430873	H25: -0.981973	H25f: -0.0392789
H9: 0.00212623	H27: 0.000504744	H27f: 1.86942e-05
H11: -6.66069e-05	H29: -0.00378086	H29f: -0.000130375
H13: -1.26022e-05	H31: -0.012595	H31f: -0.000406289
H15: -0.0019537	H33: -0.00638562	H33f: -0.000193504
H17: -0.00426266	H35: -0.000292074	H35f: -8.34496e-06
H19: -0.00155996	H37: -0.000446264	H37f: -1.20612e-05

c1sd = -0.1118
 c1ed = -0.0121
 c2sd = -0.1672
 c2ed = 0.1208
 c3sd = -0.0474
 c3ed = -0.042
 c4sd = -0.0096
 c4ed = 0.0
 varx = 4.6761%.

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Desired Amplitude: 0.06
 Actual Amplitude: 0.0600318
 Actual Power: 0.00360382
 Distortion 2H-18H: 0.495304%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.2073	end: 7.3262	delta: 0.1189
P2 start: 22.1769	end: 22.5219	delta: 0.345
P3 start: 37.1718	end: 37.7185	delta: 0.5467
P4 start: 52.1297	end: 52.8448	delta: 0.7151
P5 start: 67.0584	end: 67.8919	delta: 0.8335
P6 start: 82.0428	end: 82.9362	delta: 0.8934

H3: -0.000545283	H21: 0.000762059	H21f: 3.62885e-05
H5: 0.00032717	H23: 1.0134	H23f: 0.0440608
H7: 0.00326429	H25: -0.977357	H25f: -0.0390943
H9: 0.00109099	H27: -0.000396531	H27f: -1.46863e-05
H11: -0.000374542	H29: -0.000471321	H29f: -1.62524e-05
H13: 0.000332674	H31: -0.00927993	H31f: -0.000299353
H15: -0.000855681	H33: -0.00291424	H33f: -8.83103e-05
H17: -0.0032363	H35: 0.00110229	H35f: 3.14941e-05
H19: -0.000494826	H37: -0.000989135	H37f: -2.67334e-05

c1sd = -0.236
 c1ed = -0.1171
 c2sd = -0.1568
 c2ed = 0.1882
 c3sd = -0.0636
 c3ed = -0.046
 c4sd = -0.0255
 c4ed = 0.0
 varx = 4.6541%.

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Desired Amplitude: 0.07
 Actual Amplitude: 0.0700538
 Actual Power: 0.00490753
 Distortion 2H-18H: 0.312106%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.1349	end: 7.2733	delta: 0.1384
P2 start: 22.1558	end: 22.5587	delta: 0.4029
P3 start: 37.1073	end: 37.7462	delta: 0.6389
P4 start: 52.0552	end: 52.8894	delta: 0.8342
P5 start: 66.9871	end: 67.9594	delta: 0.9723
P6 start: 81.9687	end: 83.0116	delta: 1.0428

H3: -0.000139749	H21: 0.000101523	H21f: 4.83443e-06
H5: 0.000612295	H23: 1.01495	H23f: 0.0441281
H7: 0.00203154	H25: -0.972506	H25f: -0.0389003
H9: 0.000380006	H27: -0.00279851	H27f: -0.000103648
H11: -0.000479125	H29: -0.00124907	H29f: -4.30715e-05
H13: 0.000475746	H31: -0.00548662	H31f: -0.000176988
H15: -0.000137221	H33: -0.000540317	H33f: -1.63732e-05
H17: -0.00200243	H35: 0.00179894	H35f: 5.13982e-05
H19: -0.000761749	H37: -0.00101991	H37f: -2.7565e-05

c1sd = -0.301
 c1ed = -0.1626
 c2sd = -0.1564
 c2ed = 0.2465
 c3sd = -0.0939
 c3ed = -0.0526
 c4sd = -0.0554
 c4ed = 0.0
 varx = 4.631%.

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Desired Amplitude: 0.08
 Actual Amplitude: 0.0800044
 Actual Power: 0.00640071
 Distortion 2H-18H: 0.112804%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.1977 end: 7.3546 delta: 0.157
 P2 start: 22.1833 end: 22.6426 delta: 0.4593
 P3 start: 37.0846 end: 37.8147 delta: 0.7301
 P4 start: 51.9981 end: 52.9507 delta: 0.9526
 P5 start: 66.9246 end: 68.0345 delta: 1.1099
 P6 start: 81.8969 end: 83.0877 delta: 1.1908

H3: -0.00015873	H21: 0.000146037	H21f: 6.95414e-06
H5: 5.08441e-05	H23: 1.00724	H23f: 0.0437931
H7: 0.000726209	H25: -0.976765	H25f: -0.0390706
H9: 8.43187e-07	H27: -0.00437631	H27f: -0.000162086
H11: -0.000264741	H29: 0.000111606	H29f: 3.84848e-06
H13: 0.000204311	H31: -0.00188927	H31f: -6.09444e-05
H15: 7.85428e-05	H33: 0.000325939	H33f: 9.87695e-06
H17: -0.000752228	H35: 0.00100805	H35f: 2.88014e-05
H19: -0.000110186	H37: -0.000381075	H37f: -1.02993e-05

c1sd = -0.2282
 c1ed = -0.0712
 c2sd = -0.0993
 c2ed = 0.36
 c3sd = -0.0696
 c3ed = -0.0311
 c4sd = -0.0512
 c4ed = 0.0
 varx = 4.6513%.

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Desired Amplitude: 0.09
 Actual Amplitude: 0.0900029
 Actual Power: 0.00810053
 Distortion 2H-18H: 0.0943641%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.0936	end: 7.2706	delta: 0.1771
P2 start: 22.1194	end: 22.6366	delta: 0.5173
P3 start: 37.0173	end: 37.8393	delta: 0.8221
P4 start: 51.9205	end: 52.9923	delta: 1.0718
P5 start: 66.8479	end: 68.0965	delta: 1.2486
P6 start: 81.8207	end: 83.1607	delta: 1.3399

H3: 0.000270669	H21: -0.000208272	H21f: -9.91771e-06
H5: 0.000333572	H23: 1.01167	H23f: 0.0439855
H7: 0.000500262	H25: -0.967924	H25f: -0.038717
H9: 0.000155337	H27: -0.0065696	H27f: -0.000243319
H11: -6.4237e-05	H29: -0.00036409	H29f: -1.25548e-05
H13: 8.77583e-05	H31: -0.000910227	H31f: -2.93622e-05
H15: -0.000118555	H33: 0.000112657	H33f: 3.41386e-06
H17: -0.000509544	H35: 0.000766498	H35f: 2.18999e-05
H19: -0.000320374	H37: 0.000338627	H37f: 9.15208e-06

c1sd = -0.3254
 c1ed = -0.1484
 c2sd = -0.1432
 c2ed = 0.3741
 c3sd = -0.105
 c3ed = -0.0384
 c4sd = -0.0872
 c4ed = 0.0
 varx = 4.6093%.

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Desired Amplitude: 0.1
 Actual Amplitude: 0.100001
 Actual Power: 0.0100002
 Distortion 2H-18H: 0.0279305%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.9735 end: 7.1701 delta: 0.1965
 P2 start: 22.07 end: 22.6442 delta: 0.5742
 P3 start: 36.9576 end: 37.8711 delta: 0.9135
 P4 start: 51.8499 end: 53.0409 delta: 1.1911
 P5 start: 66.773 end: 68.1606 delta: 1.3876
 P6 start: 81.7443 end: 83.2337 delta: 1.4894

H3: 5.05936e-05	H21: -2.56582e-05	H21f: -1.22182e-06
H5: 7.2703e-05	H23: 1.01436	H23f: 0.0441026
H7: 0.000161755	H25: -0.960336	H25f: -0.0384135
H9: 2.25141e-05	H27: -0.00705826	H27f: -0.000261417
H11: -6.63696e-05	H29: 0.000794886	H29f: 2.74099e-05
H13: 6.6083e-05	H31: 0.000573413	H31f: 1.84972e-05
H15: 1.01187e-07	H33: 0.00101553	H33f: 3.07736e-05
H17: -0.00016178	H35: 0.00128946	H35f: 3.68418e-05
H19: -8.88317e-05	H37: 0.000925842	H37f: 2.50228e-05

c1sd = -0.4375
 c1ed = -0.2409
 c2sd = -0.1691
 c2ed = 0.4051
 c3sd = -0.1273
 c3ed = -0.044
 c4sd = -0.1092
 c4ed = 0.0
 varx = 4.5731%.

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Desired Amplitude: 0.11
 Actual Amplitude: 0.11
 Actual Power: 0.0121
 Distortion 2H-18H: 0.0294172%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.9225	end: 7.1389	delta: 0.2163
P2 start: 22.0277	end: 22.6593	delta: 0.6316
P3 start: 36.9023	end: 37.9071	delta: 1.0048
P4 start: 51.7835	end: 53.0937	delta: 1.3102
P5 start: 66.6992	end: 68.2259	delta: 1.5266
P6 start: 81.6682	end: 83.3068	delta: 1.6386

H3: 6.55422e-05	H21: -5.41421e-05	H21f: -2.5782e-06
H5: 9.07932e-05	H23: 1.01464	H23f: 0.0441149
H7: 0.000169621	H25: -0.954747	H25f: -0.0381899
H9: 3.0663e-06	H27: -0.00855562	H27f: -0.000316875
H11: -6.34097e-05	H29: 0.000933649	H29f: 3.21948e-05
H13: 8.00835e-05	H31: 0.000777738	H31f: 2.50883e-05
H15: 2.61249e-05	H33: 0.00128908	H33f: 3.9063e-05
H17: -0.000144842	H35: 0.00152095	H35f: 4.34558e-05
H19: -0.000100946	H37: 0.00113271	H37f: 3.06139e-05

c1sd = -0.4798
 c1ed = -0.2635
 c2sd = -0.1859
 c2ed = 0.4456
 c3sd = -0.1421
 c3ed = -0.0485
 c4sd = -0.1228
 c4ed = 0.0
 varx = 4.5466%.

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Desired Amplitude: 0.12
 Actual Amplitude: 0.120005
 Actual Power: 0.0144012
 Distortion 2H-18H: 0.0262592%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.8832	end: 7.1189	delta: 0.2357
P2 start: 21.995	end: 22.6835	delta: 0.6885
P3 start: 36.8527	end: 37.9486	delta: 1.096
P4 start: 51.72	end: 53.1495	delta: 1.4295
P5 start: 66.6268	end: 68.2925	delta: 1.6657
P6 start: 81.5926	end: 83.3807	delta: 1.7881

H3: -0.000105189	H21: 0.000121932	H21f: 5.80631e-06
H5: -7.27258e-05	H23: 1.01338	H23f: 0.04406
H7: 4.5081e-05	H25: -0.950284	H25f: -0.0380114
H9: -5.62834e-05	H27: -0.00975245	H27f: -0.000361202
H11: -0.000120041	H29: 0.00151741	H29f: 5.23244e-05
H13: 0.000103276	H31: 0.00128697	H31f: 4.15152e-05
H15: 5.75482e-05	H33: 0.00162227	H33f: 4.91598e-05
H17: -4.79507e-05	H35: 0.0018466	H35f: 5.27601e-05
H19: 4.29698e-05	H37: 0.001236	H37f: 3.34053e-05

c1sd = -0.5099
 c1ed = -0.2742
 c2sd = -0.1917
 c2ed = 0.4968
 c3sd = -0.149
 c3ed = -0.0498
 c4sd = -0.1305
 c4ed = 0.0
 varx = 4.5254%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.130001
 Actual Power: 0.0169002
 Distortion 2H-18H: 0.0163551%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.8463	end: 7.102	delta: 0.2557
P2 start: 21.9511	end: 22.6972	delta: 0.7461
P3 start: 36.7972	end: 37.9846	delta: 1.1874
P4 start: 51.6513	end: 53.1999	delta: 1.5486
P5 start: 66.553	end: 68.3576	delta: 1.8046
P6 start: 81.5163	end: 83.4536	delta: 1.9373

H3: 7.9977e-05	H21: -6.89687e-05	H21f: -3.28422e-06
H5: 6.35146e-05	H23: 1.01319	H23f: 0.0440517
H7: 3.68611e-05	H25: -0.944186	H25f: -0.0377674
H9: 3.7621e-05	H27: -0.0120476	H27f: -0.000446207
H11: 3.03032e-05	H29: 0.00126691	H29f: 4.36865e-05
H13: -2.82906e-06	H31: 0.00146237	H31f: 4.71733e-05
H15: -4.21874e-05	H33: 0.00148744	H33f: 4.50739e-05
H17: -3.23136e-05	H35: 0.00157929	H35f: 4.51226e-05
H19: -7.09746e-05	H37: 0.00172358	H37f: 4.65833e-05

c1sd = -0.5386
 c1ed = -0.2829
 c2sd = -0.2112
 c2ed = 0.5348
 c3sd = -0.1658
 c3ed = -0.0524
 c4sd = -0.1488
 c4ed = 0.0
 varx = 4.4964%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 14/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.139982
Actual Power: 0.0195948
Distortion 2H-18H: 0.0252779%

First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 6.7766	end: 7.0522	delta: 0.2757
P2 start: 21.9033	end: 22.7066	delta: 0.8033
P3 start: 36.7389	end: 38.0175	delta: 1.2787
P4 start: 51.5817	end: 53.2493	delta: 1.6676
P5 start: 66.478	end: 68.4215	delta: 1.9434
P6 start: 81.4397	end: 83.5264	delta: 2.0867

H3: 0.000112406	H21: -0.00013466	H21f: -6.41237e-06
H5: 0.000103008	H23: 1.01383	H23f: 0.0440794
H7: -2.43967e-05	H25: -0.93669	H25f: -0.0374676
H9: 5.71667e-05	H27: -0.0138788	H27f: -0.000514029
H11: 8.21111e-05	H29: 0.00151447	H29f: 5.2223e-05
H13: -5.95531e-05	H31: 0.00199822	H31f: 6.44589e-05
H15: -5.80823e-05	H33: 0.00182286	H33f: 5.52381e-05
H17: 2.35995e-05	H35: 0.00181564	H35f: 5.18756e-05
H19: -6.65988e-05	H37: 0.00228639	H37f: 6.17944e-05

c1sd = -0.6002
c1ed = -0.3245
c2sd = -0.2353
c2ed = 0.568
c3sd = -0.1862
c3ed = -0.0574
c4sd = -0.169
c4ed = 0.0
varx = 4.4608%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 15/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.149998
Actual Power: 0.0224995
Distortion 2H-18H: 0.0177508%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 6.6651	end: 6.9611	delta: 0.296
P2 start: 21.8448	end: 22.7055	delta: 0.8607
P3 start: 36.6748	end: 38.0449	delta: 1.3701
P4 start: 51.5097	end: 53.2969	delta: 1.7873
P5 start: 66.4004	end: 68.4836	delta: 2.0832
P6 start: 81.3619	end: 83.5986	delta: 2.2368

H3: 8.60108e-05	H21: -9.65634e-05	H21f: -4.59826e-06
H5: 5.8285e-05	H23: 1.01601	H23f: 0.0441744
H7: 4.69807e-06	H25: -0.926964	H25f: -0.0370785
H9: 3.77773e-05	H27: -0.0153105	H27f: -0.000567055
H11: 6.71068e-05	H29: 0.00228025	H29f: 7.86292e-05
H13: -5.53038e-05	H31: 0.00263415	H31f: 8.49726e-05
H15: -3.86543e-05	H33: 0.00261931	H33f: 7.93731e-05
H17: 6.81539e-06	H35: 0.002626	H35f: 7.50287e-05
H19: -2.89454e-05	H37: 0.00307607	H37f: 8.3137e-05

c1sd = -0.7038
c1ed = -0.4078
c2sd = -0.2708
c2ed = 0.5899
c3sd = -0.2137
c3ed = -0.0666
c4sd = -0.1934
c4ed = 0.0
varx = 4.4146%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 16/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.15996
Actual Power: 0.0255873
Distortion 2H-18H: 0.0364496%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 6.5627 end: 6.8793 delta: 0.3166
P2 start: 21.7867 end: 22.7046 delta: 0.918
P3 start: 36.611 end: 38.0723 delta: 1.4614
P4 start: 51.4365 end: 53.3427 delta: 1.9062
P5 start: 66.3235 end: 68.5456 delta: 2.2221
P6 start: 81.2847 end: 83.6708 delta: 2.3861

H3: 0.00017143	H21: -0.000168854	H21f: -8.04068e-06
H5: 0.000129901	H23: 1.01786	H23f: 0.0442548
H7: -2.38574e-05	H25: -0.91709	H25f: -0.0366836
H9: 7.93363e-05	H27: -0.0171268	H27f: -0.000634325
H11: 0.000156693	H29: 0.00275229	H29f: 9.49065e-05
H13: -9.45953e-05	H31: 0.00344984	H31f: 0.000111285
H15: -0.000100581	H33: 0.00324558	H33f: 9.83508e-05
H17: 4.50715e-05	H35: 0.0032035	H35f: 9.15287e-05
H19: -7.46363e-05	H37: 0.00406028	H37f: 0.000109737

c1sd = -0.7987
c1ed = -0.4821
c2sd = -0.3069
c2ed = 0.6111
c3sd = -0.2424
c3ed = -0.0743
c4sd = -0.2209
c4ed = 0.0
varx = 4.3677%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.169995
 Actual Power: 0.0288983
 Distortion 2H-18H: 0.0159854%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.3861	end: 6.7241	delta: 0.338
P2 start: 21.714	end: 22.6893	delta: 0.9753
P3 start: 36.5385	end: 38.0915	delta: 1.553
P4 start: 51.3599	end: 53.3863	delta: 2.0264
P5 start: 66.2426	end: 68.6052	delta: 2.3626
P6 start: 81.2056	end: 83.7427	delta: 2.5371

H3: 7.33635e-05	H21: -8.60974e-05	H21f: -4.09987e-06
H5: 5.72324e-05	H23: 1.02214	H23f: 0.044441
H7: -1.72195e-06	H25: -0.90387	H25f: -0.0361548
H9: 2.87204e-05	H27: -0.0178884	H27f: -0.000662533
H11: 6.98055e-05	H29: 0.0043223	H29f: 0.000149045
H13: -4.15524e-05	H31: 0.00488158	H31f: 0.00015747
H15: -4.0655e-05	H33: 0.00500728	H33f: 0.000151736
H17: 2.73111e-06	H35: 0.00514834	H35f: 0.000147095
H19: -1.98779e-05	H37: 0.00571488	H37f: 0.000154456

c1sd = -0.9681
 c1ed = -0.6301
 c2sd = -0.3585
 c2ed = 0.6168
 c3sd = -0.2814
 c3ed = -0.0886
 c4sd = -0.2538
 c4ed = 0.0
 varx = 4.3048%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 18/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.179982
Actual Power: 0.0323936
Distortion 2H-18H: 0.0129163%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 6.5105	end: 6.8665	delta: 0.356
P2 start: 21.7172	end: 22.7492	delta: 1.0319
P3 start: 36.507	end: 38.1504	delta: 1.6434
P4 start: 51.3066	end: 53.4515	delta: 2.1449
P5 start: 66.1756	end: 68.6766	delta: 2.501
P6 start: 81.1317	end: 83.8179	delta: 2.6861

H3: 4.73663e-05	H21: -6.24456e-05	H21f: -2.9736e-06
H5: 4.23345e-05	H23: 1.01309	H23f: 0.0440476
H7: -1.31919e-05	H25: -0.905008	H25f: -0.0362003
H9: 3.81367e-05	H27: -0.0216913	H27f: -0.000803383
H11: 5.47389e-05	H29: 0.00309576	H29f: 0.00010675
H13: -4.08684e-05	H31: 0.00365392	H31f: 0.000117868
H15: -3.15401e-05	H33: 0.00366421	H33f: 0.000111037
H17: 1.49069e-05	H35: 0.00375723	H35f: 0.000107349
H19: -3.5153e-05	H37: 0.00418661	H37f: 0.000113152

c1sd = -0.8329
c1ed = -0.4769
c2sd = -0.3238
c2ed = 0.7081
c3sd = -0.2629
c3ed = -0.0797
c4sd = -0.2418
c4ed = 0.0
varx = 4.3106%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.0111037%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.5032 end: 6.8788 delta: 0.3756
 P2 start: 21.686 end: 22.775 delta: 1.089
 P3 start: 36.4565 end: 38.1911 delta: 1.7346
 P4 start: 51.242 end: 53.5062 delta: 2.2642
 P5 start: 66.1018 end: 68.7424 delta: 2.6406
 P6 start: 81.0552 end: 83.8913 delta: 2.8362

H3: 6.03134e-05	H21: -5.90961e-05	H21f: -2.8141e-06
H5: 3.28328e-05	H23: 1.00977	H23f: 0.0439031
H7: 6.84731e-07	H25: -0.899264	H25f: -0.0359706
H9: 1.72641e-05	H27: -0.0245104	H27f: -0.000907793
H11: 4.93836e-05	H29: 0.00303148	H29f: 0.000104534
H13: -2.44879e-05	H31: 0.00358155	H31f: 0.000115534
H15: -2.19418e-05	H33: 0.0036728	H33f: 0.000111297
H17: 3.87679e-06	H35: 0.00375049	H35f: 0.000107157
H19: -1.69651e-05	H37: 0.00411304	H37f: 0.000111163

c1sd = -0.8313
 c1ed = -0.4556
 c2sd = -0.3286
 c2ed = 0.7604
 c3sd = -0.2715
 c3ed = -0.081
 c4sd = -0.2518
 c4ed = 0.0
 varx = 4.2835%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 20/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.00130494%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 6.063	end: 6.465	delta: 0.402
P2 start: 21.5481	end: 22.6947	delta: 1.1467
P3 start: 36.3487	end: 38.1754	delta: 1.8267
P4 start: 51.1434	end: 53.5284	delta: 2.3851
P5 start: 66.0091	end: 68.7912	delta: 2.7821
P6 start: 80.9719	end: 83.9604	delta: 2.9884

H3: 6.57722e-06	H21: -5.7099e-06	H21f: -2.719e-07
H5: -1.51782e-07	H23: 1.02458	H23f: 0.0445469
H7: -5.36658e-06	H25: -0.8725	H25f: -0.0349
H9: -2.02376e-06	H27: -0.0228153	H27f: -0.000845009
H11: 4.82943e-06	H29: 0.0072242	H29f: 0.00024911
H13: -2.8897e-06	H31: 0.00809242	H31f: 0.000261046
H15: -7.5891e-07	H33: 0.00856238	H33f: 0.000259466
H17: 5.40166e-06	H35: 0.00905306	H35f: 0.000258659
H19: 2.79598e-07	H37: 0.00961054	H37f: 0.000259744

c1sd = -1.2678
c1ed = -0.8658
c2sd = -0.4559
c2ed = 0.6908
c3sd = -0.3622
c3ed = -0.1138
c4sd = -0.3282
c4ed = 0.0
varx = 4.1559%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.0440994
 Distortion 2H-18H: 0.0065826%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.2272	end: 6.6458	delta: 0.4186
P2 start: 21.5567	end: 22.7599	delta: 1.2032
P3 start: 36.3195	end: 38.2366	delta: 1.9171
P4 start: 51.0908	end: 53.5943	delta: 2.5034
P5 start: 65.9423	end: 68.863	delta: 2.9207
P6 start: 80.8979	end: 84.0356	delta: 3.1377

H3: 3.08384e-05	H21: -3.15612e-05	H21f: -1.50292e-06
H5: 2.96338e-05	H23: 1.01391	H23f: 0.0440829
H7: -2.06507e-07	H25: -0.874168	H25f: -0.0349667
H9: 1.0159e-05	H27: -0.027797	H27f: -0.00102952
H11: 2.56914e-05	H29: 0.00519477	H29f: 0.00017913
H13: -1.33158e-05	H31: 0.00604768	H31f: 0.000195086
H15: -1.90331e-05	H33: 0.00632152	H33f: 0.000191561
H17: 6.73882e-06	H35: 0.00662035	H35f: 0.000189153
H19: -1.26296e-05	H37: 0.00707473	H37f: 0.000191209

c1sd = -1.0928
 c1ed = -0.6742
 c2sd = -0.4155
 c2ed = 0.7878
 c3sd = -0.3408
 c3ed = -0.1031
 c4sd = -0.3149
 c4ed = 0.0
 varx = 4.1645%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.219999
 Actual Power: 0.0483995
 Distortion 2H-18H: 0.00680401%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.2904 end: 6.7275 delta: 0.437
 P2 start: 21.5423 end: 22.8021 delta: 1.2598
 P3 start: 36.2777 end: 38.2853 delta: 2.0076
 P4 start: 51.0308 end: 53.653 delta: 2.6222
 P5 start: 65.8711 end: 68.9309 delta: 3.0598
 P6 start: 80.8222 end: 84.1097 delta: 3.2875

H3: 2.97816e-05	H21: -3.5416e-05	H21f: -1.68648e-06
H5: 3.31852e-05	H23: 1.00709	H23f: 0.0437865
H7: -7.39202e-07	H25: -0.87092	H25f: -0.0348368
H9: 1.00805e-05	H27: -0.0316998	H27f: -0.00117407
H11: 2.64365e-05	H29: 0.00434977	H29f: 0.000149992
H13: -9.84465e-06	H31: 0.00525755	H31f: 0.000169598
H15: -1.45574e-05	H33: 0.00548127	H33f: 0.000166099
H17: 4.13953e-06	H35: 0.00571596	H35f: 0.000163313
H19: -1.61224e-05	H37: 0.00609613	H37f: 0.00016476

c1sd = -1.0199
 c1ed = -0.5829
 c2sd = -0.4015
 c2ed = 0.8583
 c3sd = -0.3376
 c3ed = -0.0994
 c4sd = -0.3162
 c4ed = 0.0
 varx = 4.1495%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.229998
 Actual Power: 0.0528992
 Distortion 2H-18H: 0.00546153%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.2918 end: 6.7482 delta: 0.4564
 P2 start: 21.5128 end: 22.8292 delta: 1.3164
 P3 start: 36.2276 end: 38.3259 delta: 2.0983
 P4 start: 50.9656 end: 53.7069 delta: 2.7412
 P5 start: 65.797 end: 68.9963 delta: 3.1993
 P6 start: 80.7455 end: 84.1832 delta: 3.4378

H3: 2.57371e-05	H21: -2.82512e-05	H21f: -1.34529e-06
H5: 2.15796e-05	H23: 1.00269	H23f: 0.043595
H7: -7.96626e-06	H25: -0.864444	H25f: -0.0345778
H9: 1.20253e-05	H27: -0.0350569	H27f: -0.0012984
H11: 1.89879e-05	H29: 0.00413729	H29f: 0.000142665
H13: -8.55367e-06	H31: 0.00514706	H31f: 0.000166034
H15: -9.76692e-06	H33: 0.00534318	H33f: 0.000161914
H17: 1.46931e-05	H35: 0.00558214	H35f: 0.00015949
H19: -1.01768e-05	H37: 0.00592685	H37f: 0.000160185

c1sd = -1.0096
 c1ed = -0.5533
 c2sd = -0.4051
 c2ed = 0.9113
 c3sd = -0.3464
 c3ed = -0.1002
 c4sd = -0.3275
 c4ed = 0.0
 varx = 4.1192%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 24/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.0575996
Distortion 2H-18H: 0.00591913%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 6.0475	end: 6.5283	delta: 0.4808
P2 start: 21.4223	end: 22.796	delta: 1.3737
P3 start: 36.1446	end: 38.3344	delta: 2.1898
P4 start: 50.8807	end: 53.7422	delta: 2.8614
P5 start: 65.7116	end: 69.0519	delta: 3.3403
P6 start: 80.6645	end: 84.2542	delta: 3.5897

H3: 2.94079e-05	H21: -3.20129e-05	H21f: -1.52442e-06
H5: 2.57398e-05	H23: 1.00832	H23f: 0.0438399
H7: -3.29766e-06	H25: -0.845914	H25f: -0.0338366
H9: 8.92425e-06	H27: -0.0357774	H27f: -0.00132509
H11: 2.00939e-05	H29: 0.00638782	H29f: 0.00022027
H13: -8.51344e-06	H31: 0.00769592	H31f: 0.000248255
H15: -1.43561e-05	H33: 0.00810826	H33f: 0.000245705
H17: 8.38896e-06	H35: 0.00855873	H35f: 0.000244535
H19: -1.04018e-05	H37: 0.00913411	H37f: 0.000246868

c1sd = -1.2481
c1ed = -0.7674
c2sd = -0.4785
c2ed = 0.8952
c3sd = -0.4022
c3ed = -0.1187
c4sd = -0.3771
c4ed = 0.0
varx = 4.0312%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 25/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00311489%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 6.0556 end: 6.5556 delta: 0.5
P2 start: 21.3938 end: 22.8239 delta: 1.4301
P3 start: 36.0947 end: 38.375 delta: 2.2803
P4 start: 50.8155 end: 53.796 delta: 2.9805
P5 start: 65.6371 end: 69.1171 delta: 3.48
P6 start: 80.5874 end: 84.3277 delta: 3.7403

H3: 1.29521e-05	H21: -1.56119e-05	H21f: -7.43423e-07
H5: 1.45711e-05	H23: 1.0033	H23f: 0.0436216
H7: -8.23961e-07	H25: -0.839168	H25f: -0.0335667
H9: 7.52165e-06	H27: -0.0394035	H27f: -0.00145939
H11: 1.17562e-05	H29: 0.0060447	H29f: 0.000208438
H13: -6.11799e-06	H31: 0.00744656	H31f: 0.000240212
H15: -5.26178e-06	H33: 0.00786238	H33f: 0.000238254
H17: 2.16066e-06	H35: 0.00829855	H35f: 0.000237101
H19: -9.01107e-06	H37: 0.00882149	H37f: 0.000238419

c1sd = -1.2312
c1ed = -0.7312
c2sd = -0.4811
c2ed = 0.949
c3sd = -0.4108
c3ed = -0.1194
c4sd = -0.3885
c4ed = 0.0
varx = 3.9997%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00223821%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.8503 end: 6.3752 delta: 0.5249
 P2 start: 21.3152 end: 22.8022 delta: 1.4871
 P3 start: 36.0178 end: 38.3893 delta: 2.3715
 P4 start: 50.7338 end: 53.8344 delta: 3.1005
 P5 start: 65.5533 end: 69.1743 delta: 3.621
 P6 start: 80.5069 end: 84.3992 delta: 3.8924

H3: 1.2162e-05	H21: -1.18979e-05	H21f: -5.66568e-07
H5: 7.41397e-06	H23: 1.0065	H23f: 0.0437608
H7: 1.25095e-07	H25: -0.822263	H25f: -0.0328905
H9: 6.8756e-06	H27: -0.0405111	H27f: -0.00150041
H11: 6.79304e-06	H29: 0.00812173	H29f: 0.00028006
H13: -1.5268e-06	H31: 0.00985733	H31f: 0.000317978
H15: -5.54588e-06	H33: 0.0104951	H33f: 0.000318034
H17: 1.11604e-06	H35: 0.0111787	H35f: 0.000319392
H19: -5.36153e-06	H37: 0.0119301	H37f: 0.000322436

c1sd = -1.4301
 c1ed = -0.9052
 c2sd = -0.5412
 c2ed = 0.9459
 c3sd = -0.4583
 c3ed = -0.1346
 c4sd = -0.4318
 c4ed = 0.0
 varx = 3.9195%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.0728999
 Distortion 2H-18H: 0.00273119%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.8833	end: 6.4268	delta: 0.5434
P2 start: 21.2914	end: 22.8348	delta: 1.5434
P3 start: 35.97	end: 38.4318	delta: 2.4618
P4 start: 50.6694	end: 53.8888	delta: 3.2194
P5 start: 65.4792	end: 69.2398	delta: 3.7607
P6 start: 80.4298	end: 84.4729	delta: 4.0431

H3: 1.34917e-05	H21: -1.46696e-05	H21f: -6.98552e-07
H5: 1.30982e-05	H23: 1.00025	H23f: 0.043489
H7: 1.76678e-06	H25: -0.816013	H25f: -0.0326405
H9: 4.6534e-06	H27: -0.0447069	H27f: -0.00165581
H11: 9.60776e-06	H29: 0.00739171	H29f: 0.000254887
H13: -4.15131e-06	H31: 0.00925598	H31f: 0.00029858
H15: -4.23491e-06	H33: 0.00985338	H33f: 0.000298587
H17: -1.43846e-06	H35: 0.0104653	H35f: 0.000299008
H19: -4.77833e-06	H37: 0.0111647	H37f: 0.000301749

c1sd = -1.3882
 c1ed = -0.8447
 c2sd = -0.5387
 c2ed = 1.0047
 c3sd = -0.4643
 c3ed = -0.1338
 c4sd = -0.4417
 c4ed = 0.0
 varx = 3.8906%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 28/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.0784
Distortion 2H-18H: 0.00454185%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.9137	end: 6.4756	delta: 0.5619
P2 start: 21.267	end: 22.8666	delta: 1.5996
P3 start: 35.9217	end: 38.4738	delta: 2.552
P4 start: 50.6045	end: 53.9426	delta: 3.3382
P5 start: 65.4046	end: 69.3051	delta: 3.9004
P6 start: 80.3525	end: 84.5466	delta: 4.194

H3: 1.88824e-05	H21: -2.67942e-05	H21f: -1.27591e-06
H5: 2.06532e-05	H23: 0.993937	H23f: 0.0432147
H7: -3.91071e-06	H25: -0.809364	H25f: -0.0323746
H9: 2.71039e-06	H27: -0.0489873	H27f: -0.00181434
H11: 1.74451e-05	H29: 0.00667467	H29f: 0.000230161
H13: -8.40222e-06	H31: 0.00872433	H31f: 0.00028143
H15: -1.00465e-05	H33: 0.00926053	H33f: 0.000280622
H17: 4.92654e-06	H35: 0.0098021	H35f: 0.00028006
H19: -6.24817e-06	H37: 0.0104734	H37f: 0.000283065

c1sd = -1.349
c1ed = -0.787
c2sd = -0.5371
c2ed = 1.0624
c3sd = -0.4713
c3ed = -0.1332
c4sd = -0.4529
c4ed = 0.0
varx = 3.86%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.289999
 Actual Power: 0.0840994
 Distortion 2H-18H: 0.00212806%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.8398	end: 6.4233	delta: 0.5835
P2 start: 21.2187	end: 22.8745	delta: 1.6559
P3 start: 35.8605	end: 38.503	delta: 2.6425
P4 start: 50.5317	end: 53.9893	delta: 3.4575
P5 start: 65.3254	end: 69.3664	delta: 4.041
P6 start: 80.2735	end: 84.6193	delta: 4.3458

H3: 7.06574e-06	H21: -1.03681e-05	H21f: -4.93717e-07
H5: 1.13052e-05	H23: 0.99141	H23f: 0.0431048
H7: 0.0	H25: -0.797738	H25f: -0.0319095
H9: 3.40202e-06	H27: -0.051959	H27f: -0.00192441
H11: 1.00157e-05	H29: 0.00719557	H29f: 0.000248123
H13: -2.37538e-06	H31: 0.00949406	H31f: 0.00030626
H15: -6.59469e-06	H33: 0.0101187	H33f: 0.000306627
H17: -1.00059e-06	H35: 0.0107562	H35f: 0.00030732
H19: -2.36902e-06	H37: 0.0114795	H37f: 0.000310256

c1sd = -1.4152
 c1ed = -0.8317
 c2sd = -0.563
 c2ed = 1.0929
 c3sd = -0.4967
 c3ed = -0.1398
 c4sd = -0.479
 c4ed = 0.0
 varx = 3.8055%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 30/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.3
Actual Power: 0.09
Distortion 2H-18H: 0.000551404%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.7766	end: 6.3815	delta: 0.6049
P2 start: 21.173	end: 22.8851	delta: 1.7121
P3 start: 35.8004	end: 38.5332	delta: 2.7328
P4 start: 50.4595	end: 54.0364	delta: 3.5769
P5 start: 65.2464	end: 69.4279	delta: 4.1815
P6 start: 80.1944	end: 84.6921	delta: 4.4977

H3: -1.26485e-06	H21: 2.74653e-06	H21f: 1.30787e-07
H5: -3.13683e-06	H23: 0.988252	H23f: 0.0429675
H7: -6.86633e-07	H25: -0.786366	H25f: -0.0314547
H9: -2.5297e-07	H27: -0.0551456	H27f: -0.00204243
H11: -2.23074e-06	H29: 0.00758601	H29f: 0.000261587
H13: -1.16755e-07	H31: 0.0101574	H31f: 0.000327656
H15: 2.39478e-06	H33: 0.0108641	H33f: 0.000329214
H17: -4.01776e-07	H35: 0.011582	H35f: 0.000330914
H19: 0.0	H37: 0.0123415	H37f: 0.000333555

c1sd = -1.4706
c1ed = -0.8658
c2sd = -0.5859
c2ed = 1.1262
c3sd = -0.5207
c3ed = -0.1457
c4sd = -0.5041
c4ed = 0.0
varx = 3.7523%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.310001
 Actual Power: 0.0961007
 Distortion 2H-18H: 0.00043226%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.8756 end: 6.4964 delta: 0.6208
 P2 start: 21.1637 end: 22.9314 delta: 1.7677
 P3 start: 35.7597 end: 38.5821 delta: 2.8224
 P4 start: 50.3986 end: 54.0939 delta: 3.6952
 P5 start: 65.1737 end: 69.4948 delta: 4.3211
 P6 start: 80.1177 end: 84.7662 delta: 4.6486

H3: -1.63206e-06	H21: 1.46885e-06	H21f: 6.99454e-08
H5: -1.56678e-06	H23: 0.978894	H23f: 0.0425606
H7: 3.49727e-07	H25: -0.782013	H25f: -0.0312805
H9: -1.71366e-06	H27: -0.0606248	H27f: -0.00224536
H11: -1.98073e-06	H29: 0.00598564	H29f: 0.000206401
H13: 9.41572e-07	H31: 0.00870704	H31f: 0.000280872
H15: 1.71366e-06	H33: 0.00928854	H33f: 0.000281471
H17: -3.45612e-07	H35: 0.00986163	H35f: 0.000281761
H19: 6.95772e-07	H37: 0.0104596	H37f: 0.000282691

c1sd = -1.3622
 c1ed = -0.7414
 c2sd = -0.5675
 c2ed = 1.2003
 c3sd = -0.5173
 c3ed = -0.141
 c4sd = -0.5075
 c4ed = 0.0
 varx = 3.7332%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.319999
 Actual Power: 0.102399
 Distortion 2H-18H: 0.00227453%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.6512 end: 6.2994 delta: 0.6481
 P2 start: 21.0807 end: 22.905 delta: 1.8243
 P3 start: 35.6792 end: 38.5925 delta: 2.9133
 P4 start: 50.3136 end: 54.129 delta: 3.8154
 P5 start: 65.0873 end: 69.5503 delta: 4.4629
 P6 start: 80.0356 end: 84.8377 delta: 4.802

H3: 8.77493e-06	H21: -1.24227e-05	H21f: -5.91556e-07
H5: 1.1194e-05	H23: 0.9814	H23f: 0.0426695
H7: -3.388e-08	H25: -0.762811	H25f: -0.0305124
H9: 3.18849e-06	H27: -0.061771	H27f: -0.00228782
H11: 8.62401e-06	H29: 0.00823501	H29f: 0.000283966
H13: -3.35673e-06	H31: 0.0115018	H31f: 0.000371026
H15: -6.27684e-06	H33: 0.0123439	H33f: 0.000374056
H17: 3.3621e-06	H35: 0.0132002	H35f: 0.000377149
H19: -3.7696e-06	H37: 0.0141561	H37f: 0.000382598

c1sd = -1.5808
 c1ed = -0.9326
 c2sd = -0.6335
 c2ed = 1.1908
 c3sd = -0.5709
 c3ed = -0.1575
 c4sd = -0.5574
 c4ed = 0.0
 varx = 3.6423%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 33/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.0010232%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.7659	end: 6.4288	delta: 0.6629
P2 start: 21.0741	end: 22.9538	delta: 1.8797
P3 start: 35.6395	end: 38.6421	delta: 3.0026
P4 start: 50.2531	end: 54.1867	delta: 3.9336
P5 start: 65.0145	end: 69.6171	delta: 4.6026
P6 start: 79.9587	end: 84.9119	delta: 4.9532

H3: 4.82943e-06	H21: -4.77468e-06	H21f: -2.27366e-07
H5: 5.19739e-06	H23: 0.971248	H23f: 0.0422282
H7: -3.61386e-07	H25: -0.75857	H25f: -0.0303428
H9: 1.32873e-06	H27: -0.0676779	H27f: -0.00250659
H11: 4.24405e-06	H29: 0.0063411	H29f: 0.000218659
H13: -8.1375e-07	H31: 0.00976943	H31f: 0.000315143
H15: -2.43771e-06	H33: 0.0104584	H33f: 0.00031692
H17: 1.2175e-06	H35: 0.0111337	H35f: 0.000318104
H19: -1.8882e-06	H37: 0.0118708	H37f: 0.000320833

c1sd = -1.4566
c1ed = -0.7937
c2sd = -0.6123
c2ed = 1.2674
c3sd = -0.5663
c3ed = -0.1521
c4sd = -0.5603
c4ed = 0.0
varx = 3.6242%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 34/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.339999
Actual Power: 0.115599
Distortion 2H-18H: 0.00148209%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.6465	end: 6.3333	delta: 0.6867
P2 start: 21.015	end: 22.9507	delta: 1.9357
P3 start: 35.5714	end: 38.6642	delta: 3.0928
P4 start: 50.1751	end: 54.2283	delta: 4.0531
P5 start: 64.9318	end: 69.6758	delta: 4.744
P6 start: 79.8778	end: 84.9842	delta: 5.1064

H3: 5.58024e-06	H21: -6.50497e-06	H21f: -3.0976e-07
H5: 6.74093e-06	H23: 0.969436	H23f: 0.0421494
H7: -1.53058e-06	H25: -0.743647	H25f: -0.0297459
H9: 3.42255e-06	H27: -0.0703503	H27f: -0.00260557
H11: 6.98037e-06	H29: 0.00729939	H29f: 0.000251703
H13: -2.81588e-06	H31: 0.0111905	H31f: 0.000360983
H15: -4.97013e-06	H33: 0.0120217	H33f: 0.000364294
H17: 2.15332e-06	H35: 0.0128487	H35f: 0.000367107
H19: -8.45847e-07	H37: 0.0137621	H37f: 0.000371948

c1sd = -1.5691
c1ed = -0.8824
c2sd = -0.6514
c2ed = 1.2843
c3sd = -0.6024
c3ed = -0.1619
c4sd = -0.5966
c4ed = 0.0
varx = 3.5544%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 35/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.35
Actual Power: 0.1225
Distortion 2H-18H: 0.003252999%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.5013	end: 6.2136	delta: 0.7123
P2 start: 20.9506	end: 22.9423	delta: 1.9917
P3 start: 35.5003	end: 38.6834	delta: 3.1831
P4 start: 50.0952	end: 54.268	delta: 4.1728
P5 start: 64.8477	end: 69.7334	delta: 4.8857
P6 start: 79.7964	end: 85.0564	delta: 5.26

H3: 1.24317e-05	H21: -1.74498e-05	H21f: -8.30941e-07
H5: 1.52649e-05	H23: 0.968224	H23f: 0.0420967
H7: -1.02221e-06	H25: -0.727437	H25f: -0.0290975
H9: 2.96336e-06	H27: -0.0726453	H27f: -0.00269057
H11: 1.42714e-05	H29: 0.00860604	H29f: 0.00029676
H13: -3.36923e-06	H31: 0.0130446	H31f: 0.000420792
H15: -1.06392e-05	H33: 0.0140807	H33f: 0.000426689
H17: 2.80605e-06	H35: 0.0151149	H35f: 0.000431856
H19: -4.4964e-06	H37: 0.0162828	H37f: 0.000440074

c1sd = -1.7078
c1ed = -0.9955
c2sd = -0.6966
c2ed = 1.2951
c3sd = -0.6431
c3ed = -0.1733
c4sd = -0.6368
c4ed = 0.0
varx = 3.4784%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.36
 Actual Power: 0.1296
 Distortion 2H-18H: 0.000729395%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.6122	end: 6.3385	delta: 0.7263
P2 start: 20.942	end: 22.9887	delta: 2.0466
P3 start: 35.4589	end: 38.7308	delta: 3.2719
P4 start: 50.0331	end: 54.324	delta: 4.2909
P5 start: 64.7736	end: 69.7992	delta: 5.0257
P6 start: 79.7187	end: 85.1305	delta: 5.4118

H3: 2.74051e-06	H21: -3.65401e-06	H21f: -1.74001e-07
H5: 3.66807e-06	H23: 0.957895	H23f: 0.0416476
H7: -4.51732e-07	H25: -0.722169	H25f: -0.0288867
H9: 4.21617e-07	H27: -0.0787727	H27f: -0.00291751
H11: 3.20045e-06	H29: 0.00660367	H29f: 0.000227713
H13: -1.28107e-06	H31: 0.0112715	H31f: 0.000363598
H15: -1.48971e-06	H33: 0.0121524	H33f: 0.000368253
H17: 9.17636e-07	H35: 0.012994	H35f: 0.000371256
H19: -1.88618e-06	H37: 0.0139084	H37f: 0.000375904

c1sd = -1.5877
 c1ed = -0.8614
 c2sd = -0.6782
 c2ed = 1.3685
 c3sd = -0.6415
 c3ed = -0.1688
 c4sd = -0.6429
 c4ed = 0.0
 varx = 3.4559%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.369998
 Actual Power: 0.136899
 Distortion 2H-18H: 0.000367476%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.4754 end: 6.2271 delta: 0.7517
 P2 start: 20.8795 end: 22.9818 delta: 2.1023
 P3 start: 35.3883 end: 38.7502 delta: 3.3619
 P4 start: 49.9531 end: 54.3636 delta: 4.4105
 P5 start: 64.6891 end: 69.8567 delta: 5.1676
 P6 start: 79.6368 end: 85.2027 delta: 5.5659

H3: 6.83706e-08	H21: -1.11346e-06	H21f: -5.30221e-08
H5: 2.50236e-06	H23: 0.955977	H23f: 0.0415642
H7: 1.14277e-06	H25: -0.705904	H25f: -0.0282362
H9: 3.19063e-07	H27: -0.0812479	H27f: -0.00300918
H11: 1.69683e-06	H29: 0.00775482	H29f: 0.000267408
H13: -2.05112e-07	H31: 0.0129987	H31f: 0.000419314
H15: -1.08025e-06	H33: 0.0140822	H33f: 0.000426733
H17: 4.58485e-07	H35: 0.0151281	H35f: 0.000432232
H19: -5.39768e-07	H37: 0.0162572	H37f: 0.000439383

c1sd = -1.718
 c1ed = -0.9663
 c2sd = -0.7216
 c2ed = 1.3807
 c3sd = -0.6817
 c3ed = -0.1798
 c4sd = -0.6833
 c4ed = 0.0
 varx = 3.38%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.000132834%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.3819 end: 6.1575 delta: 0.7756
 P2 start: 20.8265 end: 22.9843 delta: 2.1578
 P3 start: 35.3227 end: 38.7742 delta: 3.4515
 P4 start: 49.8758 end: 54.4057 delta: 4.5298
 P5 start: 64.6061 end: 69.9154 delta: 5.3093
 P6 start: 79.5554 end: 85.2754 delta: 5.7199

H3: 4.65997e-07	H21: -3.80406e-07	H21f: -1.81146e-08
H5: 5.19254e-07	H23: 0.952302	H23f: 0.0414044
H7: 1.99713e-07	H25: -0.691346	H25f: -0.0276538
H9: 5.76949e-07	H27: -0.0843831	H27f: -0.0031253
H11: 3.26803e-07	H29: 0.00834594	H29f: 0.000287791
H13: 1.53625e-08	H31: 0.0141557	H31f: 0.000456637
H15: -7.45596e-07	H33: 0.0153865	H33f: 0.000466257
H17: -2.93696e-07	H35: 0.0165797	H35f: 0.000473706
H19: -1.05112e-07	H37: 0.0178635	H37f: 0.000482797

c1sd = -1.8046
 c1ed = -1.029
 c2sd = -0.7542
 c2ed = 1.4035
 c3sd = -0.715
 c3ed = -0.1881
 c4sd = -0.7185
 c4ed = 0.0
 varx = 3.3125%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.0001429333%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.6111 end: 6.3941 delta: 0.783
 P2 start: 20.8423 end: 23.0542 delta: 2.2119
 P3 start: 35.2938 end: 38.8331 delta: 3.5393
 P4 start: 49.8206 end: 54.4675 delta: 4.6469
 P5 start: 64.5354 end: 69.984 delta: 5.4486
 P6 start: 79.4788 end: 85.3502 delta: 5.8714

H3: 6.48641e-07	H21: -7.04239e-07	H21f: -3.35352e-08
H5: 7.78369e-07	H23: 0.937663	H23f: 0.040768
H7: 1.11196e-07	H25: -0.690344	H25f: -0.0276138
H9: 1.5135e-07	H27: -0.0925818	H27f: -0.00342896
H11: 5.30706e-08	H29: 0.00466023	H29f: 0.000160698
H13: 2.69435e-07	H31: 0.0106829	H31f: 0.000344609
H15: -4.54049e-07	H33: 0.0115706	H33f: 0.000350624
H17: 2.28932e-08	H35: 0.0123615	H35f: 0.000353186
H19: -4.50635e-07	H37: 0.0132028	H37f: 0.000356833

c1sd = -1.5652
 c1ed = -0.7822
 c2sd = -0.7087
 c2ed = 1.5032
 c3sd = -0.6965
 c3ed = -0.1766
 c4sd = -0.7119
 c4ed = 0.0
 varx = 3.3119%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 40/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.000827036%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.5179	end: 6.3241	delta: 0.8062
P2 start: 20.7882	end: 23.0553	delta: 2.2671
P3 start: 35.2272	end: 38.8558	delta: 3.6287
P4 start: 49.7423	end: 54.5083	delta: 4.7661
P5 start: 64.4514	end: 70.042	delta: 5.5906
P6 start: 79.3968	end: 85.4228	delta: 6.026

H3: 2.27673e-06	H21: -4.22821e-06	H21f: -2.01344e-07
H5: 4.32579e-06	H23: 0.933785	H23f: 0.0405993
H7: 8.13118e-07	H25: -0.675225	H25f: -0.027009
H9: 6.32425e-08	H27: -0.095842	H27f: -0.0035497
H11: 4.15676e-06	H29: 0.00510077	H29f: 0.000175888
H13: -1.28431e-06	H31: 0.0117507	H31f: 0.000379056
H15: -2.60559e-06	H33: 0.0127723	H33f: 0.000387039
H17: 3.57134e-07	H35: 0.01368	H35f: 0.000390856
H19: -3.39512e-07	H37: 0.0146664	H37f: 0.00039639

c1sd = -1.6517
c1ed = -0.8455
c2sd = -0.743
c2ed = 1.524
c3sd = -0.7318
c3ed = -0.1852
c4sd = -0.7494
c4ed = 0.0
varx = 3.2422%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.41
 Actual Power: 0.1681
 Distortion 2H-18H: 0.000617173%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.0702 end: 5.9221 delta: 0.8519
 P2 start: 20.6628 end: 22.9862 delta: 2.3234
 P3 start: 35.1218 end: 38.8415 delta: 3.7197
 P4 start: 49.6403 end: 54.528 delta: 4.8877
 P5 start: 64.3536 end: 70.0892 delta: 5.7356
 P6 start: 79.3092 end: 85.4932 delta: 6.1839

H3: 2.3446e-06	H21: -3.17314e-06	H21f: -1.51102e-07
H5: 2.92458e-06	H23: 0.940744	H23f: 0.0409019
H7: -2.11543e-07	H25: -0.645448	H25f: -0.0258179
H9: 8.638e-07	H27: -0.0933065	H27f: -0.0034558
H11: 2.52409e-06	H29: 0.0104606	H29f: 0.000360712
H13: -6.83446e-07	H31: 0.0182719	H31f: 0.000589416
H15: -1.50548e-06	H33: 0.0200757	H33f: 0.000608355
H17: 1.69856e-06	H35: 0.0218253	H35f: 0.00062358
H19: -1.09112e-06	H37: 0.0237319	H37f: 0.000641401

c1sd = -2.0961
 c1ed = -1.2442
 c2sd = -0.859
 c2ed = 1.4644
 c3sd = -0.822
 c3ed = -0.2146
 c4sd = -0.8317
 c4ed = 0.0
 varx = 3.1002%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 42/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.000299319%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 5.0198	end: 5.8943	delta: 0.8745
P2 start: 20.619	end: 22.9971	delta: 2.3781
P3 start: 35.0602	end: 38.8687	delta: 3.8085
P4 start: 49.5645	end: 54.5711	delta: 5.0065
P5 start: 64.2706	end: 70.1482	delta: 5.8776
P6 start: 79.2274	end: 85.5661	delta: 6.3388

H3: 1.20462e-06	H21: -1.10137e-06	H21f: -5.2446e-08
H5: 1.69851e-06	H23: 0.934794	H23f: 0.0406432
H7: 3.61386e-07	H25: -0.631965	H25f: -0.0252786
H9: 2.0077e-08	H27: -0.0971619	H27f: -0.00359859
H11: 1.232e-06	H29: 0.0103508	H29f: 0.000356924
H13: -5.83777e-07	H31: 0.0188204	H31f: 0.000607109
H15: -8.19141e-07	H33: 0.0207308	H33f: 0.000628205
H17: 4.46418e-07	H35: 0.0225649	H35f: 0.000644711
H19: -7.41792e-07	H37: 0.0245612	H37f: 0.000663816

c1sd = -2.1394
c1ed = -1.2649
c2sd = -0.882
c2ed = 1.4961
c3sd = -0.8506
c3ed = -0.2205
c4sd = -0.8644
c4ed = 0.0
varx = 3.0389%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.43
 Actual Power: 0.1849
 Distortion 2H-18H: 0.000228557%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.1665 end: 6.0495 delta: 0.883
 P2 start: 20.6132 end: 23.0451 delta: 2.4319
 P3 start: 35.0188 end: 38.9149 delta: 3.8961
 P4 start: 49.5008 end: 54.6248 delta: 5.124
 P5 start: 64.1943 end: 70.2125 delta: 6.0182
 P6 start: 79.1481 end: 85.6403 delta: 6.4922

H3: 1.76491e-07	H21: -1.21022e-06	H21f: -5.76296e-08
H5: 1.16484e-06	H23: 0.922827	H23f: 0.0401229
H7: 3.02555e-07	H25: -0.626075	H25f: -0.025043
H9: 5.09862e-07	H27: -0.104341	H27f: -0.00386447
H11: 7.86186e-07	H29: 0.00736236	H29f: 0.000253875
H13: 1.35762e-08	H31: 0.0162272	H31f: 0.000523459
H15: -9.5305e-07	H33: 0.0178542	H33f: 0.000541037
H17: 3.73745e-07	H35: 0.0193374	H35f: 0.000552498
H19: -5.94495e-07	H37: 0.020938	H37f: 0.000565893

c1sd = -1.9839
 c1ed = -1.1009
 c2sd = -0.8619
 c2ed = 1.57
 c3sd = -0.8508
 c3ed = -0.2155
 c4sd = -0.8744
 c4ed = 0.0
 varx = 3.0156%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 44/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.439998
Actual Power: 0.193599
Distortion 2H-18H: 0.000605898%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.1633	end: 6.0653	delta: 0.902
P2 start: 20.578	end: 23.0641	delta: 2.4861
P3 start: 34.9614	end: 38.9457	delta: 3.9843
P4 start: 49.4271	end: 54.6694	delta: 5.2423
P5 start: 64.1122	end: 70.2722	delta: 6.16
P6 start: 79.0663	end: 85.7136	delta: 6.6472

H3: 1.09237e-06	H21: -1.67552e-06	H21f: -7.97867e-08
H5: 3.13914e-06	H23: 0.915211	H23f: 0.0397918
H7: 2.464e-08	H25: -0.614016	H25f: -0.0245606
H9: 3.64125e-07	H27: -0.109047	H27f: -0.00403877
H11: 3.2928e-06	H29: 0.00647575	H29f: 0.000223302
H13: -2.65354e-07	H31: 0.0160153	H31f: 0.000516623
H15: -2.86317e-06	H33: 0.0176573	H33f: 0.000535071
H17: 1.82626e-06	H35: 0.019116	H35f: 0.00054617
H19: -5.26518e-07	H37: 0.0206976	H37f: 0.000559393

c1sd = -1.9798
c1ed = -1.0778
c2sd = -0.8755
c2ed = 1.6106
c3sd = -0.8739
c3ed = -0.2189
c4sd = -0.9035
c4ed = 0.0
varx = 2.9621%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 45/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 9.0601e-05%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.2436	end: 6.1587	delta: 0.9151
P2 start: 20.5596	end: 23.0994	delta: 2.5398
P3 start: 34.9128	end: 38.9846	delta: 4.0718
P4 start: 49.3585	end: 54.7185	delta: 5.36
P5 start: 64.0326	end: 70.334	delta: 6.3013
P6 start: 78.9855	end: 85.7874	delta: 6.8019

H3: -4.49724e-07	H21: 3.53355e-07	H21f: 1.68264e-08
H5: -2.69835e-07	H23: 0.904911	H23f: 0.039344
H7: 0.0	H25: -0.605146	H25f: -0.0242058
H9: -4.87201e-07	H27: -0.115185	H27f: -0.00426612
H11: 9.19891e-08	H29: 0.00439232	H29f: 0.000151459
H13: 1.81619e-07	H31: 0.0145318	H31f: 0.000468768
H15: -3.59779e-07	H33: 0.0160536	H33f: 0.000486473
H17: -9.92039e-08	H35: 0.0173299	H35f: 0.000495139
H19: -5.32568e-08	H37: 0.0186961	H37f: 0.000505301

c1sd = -1.8914
c1ed = -0.9763
c2sd = -0.8702
c2ed = 1.6696
c3sd = -0.8849
c3ed = -0.2177
c4sd = -0.923
c4ed = 0.0
varx = 2.9248%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 5.33459e-05%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.1698	end: 6.1084	delta: 0.9385
P2 start: 20.5098	end: 23.1038	delta: 2.5939
P3 start: 34.847	end: 39.007	delta: 4.16
P4 start: 49.2792	end: 54.758	delta: 5.4787
P5 start: 63.9467	end: 70.3909	delta: 6.4441
P6 start: 78.9019	end: 85.8602	delta: 6.9583

H3: 0.0	H21: -1.72837e-07	H21f: -8.23032e-09
H5: 6.59922e-08	H23: 0.899144	H23f: 0.0390932
H7: -1.6498e-07	H25: -0.589816	H25f: -0.0235926
H9: -7.33247e-08	H27: -0.118715	H27f: -0.00439685
H11: 3.89954e-07	H29: 0.00439051	H29f: 0.000151397
H13: -1.14217e-07	H31: 0.0153771	H31f: 0.000496037
H15: -1.53982e-07	H33: 0.0170505	H33f: 0.00051668
H17: 1.55276e-07	H35: 0.018443	H35f: 0.000526943
H19: -6.94655e-08	H37: 0.0199379	H37f: 0.000538862

c1sd = -1.9587
 c1ed = -1.0201
 c2sd = -0.901
 c2ed = 1.6929
 c3sd = -0.9204
 c3ed = -0.2256
 c4sd = -0.9628
 c4ed = 0.0
 varx = 2.8557%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.0001701676%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.1676	end: 6.1247	delta: 0.9571
P2 start: 20.4744	end: 23.122	delta: 2.6476
P3 start: 34.7887	end: 39.0363	delta: 4.2476
P4 start: 49.2042	end: 54.801	delta: 5.5969
P5 start: 63.8631	end: 70.4495	delta: 6.5864
P6 start: 78.8191	end: 85.9335	delta: 7.1144

H3: -3.2294e-07	H21: 1.18411e-06	H21f: 5.63864e-08
H5: -7.42763e-07	H23: 0.891061	H23f: 0.0387418
H7: -4.15209e-07	H25: -0.577202	H25f: -0.0230881
H9: -3.94705e-07	H27: -0.123463	H27f: -0.00457269
H11: -3.81657e-07	H29: 0.00334728	H29f: 0.000115423
H13: -1.86312e-07	H31: 0.0151354	H31f: 0.00048824
H15: 2.47588e-07	H33: 0.0168405	H33f: 0.000510319
H17: 5.12905e-07	H35: 0.0182105	H35f: 0.000520301
H19: -6.79874e-08	H37: 0.0196775	H37f: 0.000531824

c1sd = -1.9538
 c1ed = -0.9967
 c2sd = -0.9157
 c2ed = 1.7319
 c3sd = -0.9456
 c3ed = -0.2293
 c4sd = -0.9948
 c4ed = 0.0
 varx = 2.8005%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 48/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.000220679%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.1884	end: 6.1622	delta: 0.9738
P2 start: 20.4433	end: 23.1443	delta: 2.701
P3 start: 34.7326	end: 39.0674	delta: 4.3348
P4 start: 49.1302	end: 54.8449	delta: 5.7147
P5 start: 63.7798	end: 70.5084	delta: 6.7287
P6 start: 78.7363	end: 86.007	delta: 7.2707

H3: -4.74319e-07	H21: 1.15945e-06	H21f: 5.52117e-08
H5: -1.35971e-06	H23: 0.882165	H23f: 0.038355
H7: 9.03464e-08	H25: -0.565318	H25f: -0.0226127
H9: -7.02694e-08	H27: -0.12861	H27f: -0.00476332
H11: -8.19278e-07	H29: 0.00193481	H29f: 6.67174e-05
H13: -1.09458e-07	H31: 0.014541	H31f: 0.000469066
H15: 7.6945e-07	H33: 0.0162449	H33f: 0.000492271
H17: -1.30205e-07	H35: 0.0175498	H35f: 0.000501423
H19: 3.82784e-07	H37: 0.0189405	H37f: 0.000511905

c1sd = -1.9258
c1ed = -0.952
c2sd = -0.9256
c2ed = 1.7754
c3sd = -0.9681
c3ed = -0.2319
c4sd = -1.0249
c4ed = 0.0
varx = 2.7495%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 9.29087e-05%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.0771	end: 6.0773	delta: 1.0002
P2 start: 20.3856	end: 23.1403	delta: 2.7547
P3 start: 34.6617	end: 39.0843	delta: 4.4226
P4 start: 49.0469	end: 54.8804	delta: 5.8335
P5 start: 63.6908	end: 70.5631	delta: 6.8723
P6 start: 78.651	end: 86.0797	delta: 7.4287

H3: 0.0	H21: 3.3926e-07	H21f: 1.61552e-08
H5: -2.47807e-07	H23: 0.876972	H23f: 0.0381292
H7: -4.86764e-07	H25: -0.547967	H25f: -0.0219187
H9: -8.60442e-08	H27: -0.131413	H27f: -0.00486717
H11: -1.5488e-07	H29: 0.00230356	H29f: 7.94331e-05
H13: -2.38276e-08	H31: 0.0159351	H31f: 0.000514035
H15: 1.34229e-07	H33: 0.0178746	H33f: 0.000541654
H17: 5.83076e-07	H35: 0.0193733	H35f: 0.000553522
H19: -2.44547e-07	H37: 0.0209761	H37f: 0.00056692

c1sd = -2.0313
 c1ed = -1.0311
 c2sd = -0.9662
 c2ed = 1.7885
 c3sd = -1.0118
 c3ed = -0.2422
 c4sd = -1.0727
 c4ed = 0.0
 varx = 2.6712%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 50/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 5.24373e-05%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 4.9884	end: 6.0138	delta: 1.0255
P2 start: 20.3325	end: 23.1407	delta: 2.8082
P3 start: 34.5931	end: 39.1032	delta: 4.5101
P4 start: 48.9648	end: 54.9167	delta: 5.952
P5 start: 63.6022	end: 70.6182	delta: 7.016
P6 start: 78.5656	end: 86.1526	delta: 7.5869

H3: -2.02376e-07	H21: 3.18019e-07	H21f: 1.51438e-08
H5: -3.03564e-08	H23: 0.870881	H23f: 0.0378644
H7: 2.16831e-08	H25: -0.531418	H25f: -0.0212567
H9: -3.37293e-08	H27: -0.134562	H27f: -0.00498377
H11: -2.89766e-07	H29: 0.00232393	H29f: 8.01355e-05
H13: 1.86809e-07	H31: 0.0169989	H31f: 0.000548351
H15: 0.0	H33: 0.0191488	H33f: 0.000580266
H17: 7.14268e-08	H35: 0.020807	H35f: 0.000594485
H19: 7.98853e-08	H37: 0.0225823	H37f: 0.000610332

c1sd = -2.114
c1ed = -1.0886
c2sd = -1.0017
c2ed = 1.8064
c3sd = -1.0524
c3ed = -0.2512
c4sd = -1.1185
c4ed = 0.0
varx = 2.5973%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 51/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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:	0.510001
Actual Power:	0.260101
Distortion 2H-18H:	0.000147439%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 4.9527	end: 5.9993	delta: 1.0465
P2 start: 20.2898	end: 23.1509	delta: 2.8612
P3 start: 34.5299	end: 39.1268	delta: 4.597
P4 start: 48.8855	end: 54.9554	delta: 6.0699
P5 start: 63.515	end: 70.6743	delta: 7.1593
P6 start: 78.4806	end: 86.2258	delta: 7.7451

H3: -5.45621e-07	H21: 9.3535e-07	H21f: 4.45405e-08
H5: -6.54745e-07	H23: 0.863119	H23f: 0.0375269
H7: -2.33838e-07	H25: -0.516795	H25f: -0.0206718
H9: -2.14942e-07	H27: -0.138619	H27f: -0.00513403
H11: -4.19361e-07	H29: 0.00153557	H29f: 5.29508e-05
H13: 3.43398e-08	H31: 0.0172349	H31f: 0.000555964
H15: 1.98408e-07	H33: 0.0195041	H33f: 0.000591033
H17: -4.5517e-07	H35: 0.0212098	H35f: 0.000605993
H19: 2.19293e-07	H37: 0.0230337	H37f: 0.000622532

c1sd = -2.1433
c1ed = -1.0968
c2sd = -1.0258
c2ed = 1.8353
c3sd = -1.086
c3ed = -0.2573
c4sd = -1.1591
c4ed = 0.0
varx = 2.5337%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 52/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 8.24077e-05%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.163	end: 6.2106	delta: 1.0476
P2 start: 20.2953	end: 23.2082	delta: 2.9129
P3 start: 34.4924	end: 39.1745	delta: 4.6821
P4 start: 48.8217	end: 55.0075	delta: 6.1858
P5 start: 63.4365	end: 70.7369	delta: 7.3004
P6 start: 78.3992	end: 86.3003	delta: 7.9011

H3: -2.4324e-07	H21: 4.44782e-07	H21f: 2.11801e-08
H5: -1.75133e-07	H23: 0.848392	H23f: 0.0368866
H7: -1.25095e-07	H25: -0.511625	H25f: -0.020465
H9: -3.72969e-07	H27: -0.147138	H27f: -0.00544955
H11: -1.99015e-07	H29: -0.00278151	H29f: -9.5914e-05
H13: -1.12265e-08	H31: 0.0137219	H31f: 0.000442642
H15: 8.75665e-08	H33: 0.0156741	H33f: 0.000474974
H17: 2.91888e-07	H35: 0.0169295	H35f: 0.000483699
H19: -3.22614e-07	H37: 0.0182492	H37f: 0.000493223

c1sd = -1.9244
c1ed = -0.8768
c2sd = -0.9952
c2ed = 1.9177
c3sd = -1.0835
c3ed = -0.2496
c4sd = -1.1708
c4ed = 0.0
varx = 2.5189%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 53/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.53
Actual Power: 0.2809
Distortion 2H-18H: 4.65746e-05%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 4.8448	end: 5.9369	delta: 1.0921
P2 start: 20.1968	end: 23.1635	delta: 2.9667
P3 start: 34.3984	end: 39.1686	delta: 4.7702
P4 start: 48.723	end: 55.0288	delta: 6.3058
P5 start: 63.3373	end: 70.7841	delta: 7.4468
P6 start: 78.3087	end: 86.3721	delta: 8.0633

H3: -2.38651e-07	H21: 5.45488e-08	H21f: 2.59756e-09
H5: -2.86381e-08	H23: 0.848087	H23f: 0.0368734
H7: -1.63646e-07	H25: -0.485704	H25f: -0.0194282
H9: -4.77302e-08	H27: -0.145922	H27f: -0.00540453
H11: -1.43191e-07	H29: 0.000315148	H29f: 1.08672e-05
H13: -2.31308e-07	H31: 0.0182553	H31f: 0.000588881
H15: 1.81375e-07	H33: 0.0208594	H33f: 0.000632103
H17: 1.34768e-07	H35: 0.0227462	H35f: 0.000649892
H19: 4.52181e-08	H37: 0.0247617	H37f: 0.000669234

c1sd = -2.2391
c1ed = -1.1471
c2sd = -1.0834
c2ed = 1.8833
c3sd = -1.1612
c3ed = -0.2718
c4sd = -1.2482
c4ed = 0.0
varx = 2.3983%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.000363625%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.0443 end: 6.1366 delta: 1.0923
 P2 start: 20.1986 end: 23.2167 delta: 3.0181
 P3 start: 34.3585 end: 39.2133 delta: 4.8549
 P4 start: 48.6571 end: 55.0785 delta: 6.4214
 P5 start: 63.2569 end: 70.8453 delta: 7.5884
 P6 start: 78.226 end: 86.4465 delta: 8.2204

H3: 4.68463e-07	H21: -2.55647e-06	H21f: -1.21737e-07
H5: 1.48971e-06	H23: 0.833613	H23f: 0.036244
H7: 2.61001e-07	H25: -0.479595	H25f: -0.0191838
H9: -7.96387e-07	H27: -0.154222	H27f: -0.00571194
H11: 1.13709e-06	H29: -0.00402926	H29f: -0.00013894
H13: 3.78374e-07	H31: 0.0148226	H31f: 0.000478148
H15: -1.17116e-06	H33: 0.0171243	H33f: 0.000518917
H17: 7.60563e-07	H35: 0.0185586	H35f: 0.000530244
H19: 3.99426e-07	H37: 0.0200655	H37f: 0.000542312

c1sd = -2.0315
 c1ed = -0.9392
 c2sd = -1.0576
 c2ed = 1.9605
 c3sd = -1.163
 c3ed = -0.2652
 c4sd = -1.2645
 c4ed = 0.0
 varx = 2.3802%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 55/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.000130068%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 5.0913	end: 6.1973	delta: 1.106
P2 start: 20.1714	end: 23.2412	delta: 3.0698
P3 start: 34.3025	end: 39.2426	delta: 4.9401
P4 start: 48.5809	end: 55.1191	delta: 6.5381
P5 start: 63.1703	end: 70.9018	delta: 7.7316
P6 start: 78.1405	end: 86.5202	delta: 8.3797

H3: 2.75967e-07	H21: -7.49054e-07	H21f: -3.56692e-08
H5: 5.79531e-07	H23: 0.82307	H23f: 0.0357857
H7: -2.36543e-07	H25: -0.46755	H25f: -0.018702
H9: 1.53315e-07	H27: -0.159666	H27f: -0.00591356
H11: 4.26495e-07	H29: -0.00622663	H29f: -0.000214711
H13: 1.06141e-08	H31: 0.0137756	H31f: 0.000444376
H15: -6.53122e-07	H33: 0.0160866	H33f: 0.000487474
H17: 1.62334e-08	H35: 0.0174063	H35f: 0.000497322
H19: 1.74295e-07	H37: 0.0187788	H37f: 0.000507536

c1sd = -1.9778
c1ed = -0.8718
c2sd = -1.0653
c2ed = 2.0045
c3sd = -1.1879
c3ed = -0.2671
c4sd = -1.3
c4ed = 0.0
varx = 2.3321%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 56/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.000379385%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 5.3119	end: 6.4187	delta: 1.1067
P2 start: 20.1806	end: 23.301	delta: 3.1204
P3 start: 34.266	end: 39.2898	delta: 5.0239
P4 start: 48.5164	end: 55.1695	delta: 6.653
P5 start: 63.0901	end: 70.963	delta: 7.8729
P6 start: 78.0575	end: 86.5948	delta: 8.5373

H3: -4.96905e-07	H21: 1.69077e-06	H21f: 8.05128e-08
H5: -2.43935e-06	H23: 0.807527	H23f: 0.0351099
H7: 3.87199e-07	H25: -0.462385	H25f: -0.0184954
H9: 1.50577e-08	H27: -0.168379	H27f: -0.00623625
H11: -1.83567e-06	H29: -0.0108019	H29f: -0.000372479
H13: 1.98067e-07	H31: 0.0103138	H31f: 0.000332702
H15: 7.67944e-07	H33: 0.0123989	H33f: 0.000375725
H17: -1.08416e-06	H35: 0.0133266	H35f: 0.00038076
H19: 1.14122e-07	H37: 0.0142532	H37f: 0.000385221

c1sd = -1.7489
c1ed = -0.6421
c2sd = -1.0318
c2ed = 2.0886
c3sd = -1.1857
c3ed = -0.2585
c4sd = -1.3141
c4ed = 0.0
varx = 2.3203%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 6.95064e-05%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.1278 end: 6.2655 delta: 1.1377
 P2 start: 20.1049 end: 23.2776 delta: 3.1728
 P3 start: 34.1831 end: 39.2932 delta: 5.1101
 P4 start: 48.423 end: 55.1945 delta: 6.7715
 P5 start: 62.9925 end: 71.0116 delta: 8.0191
 P6 start: 77.9668 end: 86.6674 delta: 8.7006

H3: -8.87614e-08	H21: -2.53604e-08	H21f: -1.20764e-09
H5: 1.06514e-07	H23: 0.803193	H23f: 0.0349214
H7: -5.70609e-08	H25: -0.440768	H25f: -0.0176307
H9: -4.43807e-08	H27: -0.169326	H27f: -0.00627132
H11: 4.59946e-07	H29: -0.0100109	H29f: -0.000345202
H13: -2.15076e-07	H31: 0.0125231	H31f: 0.00040397
H15: -2.84037e-07	H33: 0.0149889	H33f: 0.00045421
H17: 3.44603e-07	H35: 0.0162012	H35f: 0.000462892
H19: -2.80299e-08	H37: 0.0174344	H37f: 0.000471201

c1sd = -1.9289
 c1ed = -0.7912
 c2sd = -1.0954
 c2ed = 2.0774
 c3sd = -1.2493
 c3ed = -0.2744
 c4sd = -1.3825
 c4ed = 0.0
 varx = 2.2243%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 58/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 4.88096e-05%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.3116	end: 6.4526	delta: 1.1409
P2 start: 20.1064	end: 23.3294	delta: 3.223
P3 start: 34.1418	end: 39.3352	delta: 5.1934
P4 start: 48.3549	end: 55.2411	delta: 6.8863
P5 start: 62.9095	end: 71.0706	delta: 8.1612
P6 start: 77.882	end: 86.7418	delta: 8.8598

H3: 1.74462e-07	H21: 2.11847e-07	H21f: 1.00879e-08
H5: -1.57016e-07	H23: 0.788499	H23f: 0.0342826
H7: 9.34618e-08	H25: -0.43385	H25f: -0.017354
H9: -1.59924e-07	H27: -0.177292	H27f: -0.00656638
H11: 3.56854e-08	H29: -0.0142104	H29f: -0.000490015
H13: 1.00651e-08	H31: 0.00961014	H31f: 0.000310005
H15: 2.18078e-07	H33: 0.0119435	H33f: 0.000361925
H17: -2.30906e-07	H35: 0.0128422	H35f: 0.000366921
H19: -4.132e-08	H37: 0.0137178	H37f: 0.00037075

c1sd = -1.7374
c1ed = -0.5964
c2sd = -1.0714
c2ed = 2.1516
c3sd = -1.2548
c3ed = -0.2681
c4sd = -1.404
c4ed = 0.0
varx = 2.2051%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 59/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.000158829%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 4.9227	end: 6.1122	delta: 1.1896
P2 start: 19.989	end: 23.2648	delta: 3.2759
P3 start: 34.0356	end: 39.316	delta: 5.2805
P4 start: 48.2463	end: 55.2526	delta: 7.0063
P5 start: 62.802	end: 71.1122	delta: 8.3102
P6 start: 77.7864	end: 86.8136	delta: 9.0271

H3: 4.28763e-08	H21: 4.28763e-07	H21f: 2.04173e-08
H5: -1.18338e-06	H23: 0.789132	H23f: 0.0343101
H7: 1.10253e-07	H25: -0.404083	H25f: -0.0161633
H9: -2.85842e-07	H27: -0.173971	H27f: -0.00644335
H11: -6.19757e-07	H29: -0.0106955	H29f: -0.00036881
H13: 8.90507e-08	H31: 0.0147508	H31f: 0.000475832
H15: 5.2309e-07	H33: 0.0178165	H33f: 0.000539893
H17: 1.51328e-07	H35: 0.0193768	H35f: 0.000553622
H19: 3.92656e-07	H37: 0.0209655	H37f: 0.000566634

c1sd = -2.1245
c1ed = -0.9349
c2sd = -1.1833
c2ed = 2.0926
c3sd = -1.3523
c3ed = -0.2961
c4sd = -1.5012
c4ed = 0.0
varx = 2.0675%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 60/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00010582%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.1203	end: 6.3095	delta: 1.1892
P2 start: 19.9908	end: 23.3164	delta: 3.3255
P3 start: 33.9939	end: 39.3569	delta: 5.363
P4 start: 48.177	end: 55.2975	delta: 7.1206
P5 start: 62.7175	end: 71.17	delta: 8.4526
P6 start: 77.7005	end: 86.8881	delta: 9.1876

H3: -8.43233e-08	H21: 4.33663e-07	H21f: 2.06506e-08
H5: -6.57722e-07	H23: 0.774118	H23f: 0.0336573
H7: -3.61386e-08	H25: -0.39714	H25f: -0.0158856
H9: -1.40539e-08	H27: -0.182086	H27f: -0.00674391
H11: -2.41471e-07	H29: -0.0153486	H29f: -0.000529263
H13: 0.0	H31: 0.0114532	H31f: 0.000369459
H15: 4.13184e-07	H33: 0.0143487	H33f: 0.00043481
H17: -4.76179e-07	H35: 0.0155231	H35f: 0.000443518
H19: 1.86399e-07	H37: 0.0166698	H37f: 0.000450536

c1sd = -1.9195
c1ed = -0.7303
c2sd = -1.1597
c2ed = 2.1658
c3sd = -1.3595
c3ed = -0.2898
c4sd = -1.5255
c4ed = 0.0
varx = 2.0502%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 61/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.61
Actual Power: 0.3721
Distortion 2H-18H: 0.00019324%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.2988	end: 6.491	delta: 1.1921
P2 start: 19.9907	end: 23.3657	delta: 3.375
P3 start: 33.9508	end: 39.396	delta: 5.4452
P4 start: 48.1065	end: 55.3411	delta: 7.2346
P5 start: 62.6317	end: 71.2269	delta: 8.5952
P6 start: 77.6137	end: 86.9626	delta: 9.3489

H3: 0.0	H21: -9.59746e-07	H21f: -4.57022e-08
H5: 1.1197e-06	H23: 0.759344	H23f: 0.0330149
H7: -1.24411e-07	H25: -0.389588	H25f: -0.0155835
H9: 4.14705e-08	H27: -0.189817	H27f: -0.00703028
H11: 8.0302e-07	H29: -0.0196961	H29f: -0.000679177
H13: 2.10543e-07	H31: 0.00861208	H31f: 0.000277809
H15: -8.87469e-07	H33: 0.0114352	H33f: 0.00034652
H17: 2.1955e-07	H35: 0.0123201	H35f: 0.000352003
H19: -1.30959e-07	H37: 0.0131322	H37f: 0.000354925

c1sd = -1.7337
c1ed = -0.5416
c2sd = -1.1388
c2ed = 2.2361
c3sd = -1.3692
c3ed = -0.284
c4sd = -1.5525
c4ed = 0.0
varx = 2.0305%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 62/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.000347416%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.1106	end: 6.3338	delta: 1.2233
P2 start: 19.9127	end: 23.3387	delta: 3.426
P3 start: 33.8649	end: 39.3947	delta: 5.5298
P4 start: 48.009	end: 55.3612	delta: 7.3522
P5 start: 62.5294	end: 71.2721	delta: 8.7427
P6 start: 77.5193	end: 87.0354	delta: 9.5161

H3: -1.63206e-07	H21: 1.97013e-06	H21f: 9.38159e-08
H5: -2.03192e-06	H23: 0.754219	H23f: 0.0327921
H7: -2.4481e-07	H25: -0.367276	H25f: -0.0146911
H9: 3.53614e-07	H27: -0.19004	H27f: -0.0070385
H11: -1.49111e-06	H29: -0.0192077	H29f: -0.000662333
H13: -3.20136e-07	H31: 0.0107267	H31f: 0.000346023
H15: 1.11796e-06	H33: 0.0139886	H33f: 0.000423896
H17: -4.89619e-07	H35: 0.0151532	H35f: 0.000432949
H19: 1.80386e-07	H37: 0.0162466	H37f: 0.000439098

c1sd = -1.9187
c1ed = -0.6954
c2sd = -1.2072
c2ed = 2.2188
c3sd = -1.4397
c3ed = -0.3008
c4sd = -1.6298
c4ed = 0.0
varx = 1.9343%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 63/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.000141366%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 5.5061	end: 6.7172	delta: 1.2111
P2 start: 19.9611	end: 23.4347	delta: 3.4736
P3 start: 33.8477	end: 39.457	delta: 5.6094
P4 start: 47.9536	end: 55.4168	delta: 7.4632
P5 start: 62.4517	end: 71.3344	delta: 8.8827
P6 start: 77.4354	end: 87.111	delta: 9.6756

H3: 0.0	H21: 9.63695e-07	H21f: 4.58902e-08
H5: -8.67326e-07	H23: 0.733355	H23f: 0.031885
H7: 3.09759e-07	H25: -0.368445	H25f: -0.0147378
H9: -9.36926e-08	H27: -0.202125	H27f: -0.0074861
H11: -1.97119e-07	H29: -0.0264472	H29f: -0.000911972
H13: -2.5019e-07	H31: 0.00520872	H31f: 0.000168023
H15: 1.84708e-07	H33: 0.00821593	H33f: 0.000248968
H17: 1.13376e-07	H35: 0.00883564	H35f: 0.000252447
H19: -2.53604e-07	H37: 0.00931144	H37f: 0.00025166

c1sd = -1.514
c1ed = -0.3029
c2sd = -1.132
c2ed = 2.3416
c3sd = -1.4142
c3ed = -0.2811
c4sd = -1.6297
c4ed = 0.0
varx = 1.9623%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 64/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 6.5694e-05%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.5823	end: 6.805	delta: 1.2227
P2 start: 19.9406	end: 23.4631	delta: 3.5225
P3 start: 33.7924	end: 39.4835	delta: 5.691
P4 start: 47.8742	end: 55.4514	delta: 7.5772
P5 start: 62.3591	end: 71.3861	delta: 9.027
P6 start: 77.3446	end: 87.1851	delta: 9.8405

H3: 7.90531e-08	H21: 2.71039e-07	H21f: 1.29066e-08
H5: -2.60875e-07	H23: 0.72094	H23f: 0.0313452
H7: 1.5246e-07	H25: -0.356645	H25f: -0.0142658
H9: -4.61143e-07	H27: -0.207614	H27f: -0.00768939
H11: -8.62398e-08	H29: -0.0295467	H29f: -0.00101885
H13: 3.64861e-08	H31: 0.00391233	H31f: 0.000126204
H15: 1.1858e-07	H33: 0.00708935	H33f: 0.000214829
H17: 1.11604e-07	H35: 0.00763494	H35f: 0.000218141
H19: -1.12339e-07	H37: 0.00800219	H37f: 0.000216275

c1sd = -1.4321
c1ed = -0.2094
c2sd = -1.1358
c2ed = 2.3867
c3sd = -1.4429
c3ed = -0.2812
c4sd = -1.6744
c4ed = 0.0
varx = 1.9233%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 65/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.000150589%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 5.6355	end: 6.8713	delta: 1.2358
P2 start: 19.9147	end: 23.486	delta: 3.5713
P3 start: 33.734	end: 39.5063	delta: 5.7724
P4 start: 47.7923	end: 55.4834	delta: 7.6912
P5 start: 62.2645	end: 71.4363	delta: 9.1718
P6 start: 77.2525	end: 87.2592	delta: 10.0067

H3: -1.16755e-07	H21: 1.00076e-06	H21f: 4.76553e-08
H5: -6.07128e-07	H23: 0.709067	H23f: 0.030829
H7: -3.33587e-08	H25: -0.343791	H25f: -0.0137517
H9: 3.89185e-08	H27: -0.212534	H27f: -0.00787162
H11: -6.05005e-07	H29: -0.0324361	H29f: -0.00111849
H13: -2.42492e-07	H31: 0.00289077	H31f: 9.32505e-05
H15: 4.4367e-07	H33: 0.00628471	H33f: 0.000190446
H17: -4.94493e-07	H35: 0.00678912	H35f: 0.000193975
H19: -1.229e-07	H37: 0.00707879	H37f: 0.000191319

c1sd = -1.3736
c1ed = -0.1379
c2sd = -1.1462
c2ed = 2.4251
c3sd = -1.4768
c3ed = -0.2829
c4sd = -1.7243
c4ed = 0.0
varx = 1.8799%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.435601
 Distortion 2H-18H: 0.000124103%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.5232 end: 6.7813 delta: 1.2582
 P2 start: 19.8491 end: 23.4698 delta: 3.6207
 P3 start: 33.6533 end: 39.508 delta: 5.8548
 P4 start: 47.696 end: 55.5027 delta: 7.8068
 P5 start: 62.1606 end: 71.48 delta: 9.3194
 P6 start: 77.1557 end: 87.3325 delta: 10.1768

H3: -3.83288e-08	H21: 5.91358e-07	H21f: 2.81599e-08
H5: -7.81907e-07	H23: 0.701708	H23f: 0.030509
H7: -1.97119e-07	H25: -0.323767	H25f: -0.0129507
H9: -1.78868e-07	H27: -0.213818	H27f: -0.00791918
H11: -6.58558e-07	H29: -0.0334722	H29f: -0.00115421
H13: 2.03437e-07	H31: 0.00364094	H31f: 0.00011745
H15: 1.14986e-07	H33: 0.00738923	H33f: 0.000223916
H17: 1.35278e-07	H35: 0.00800594	H35f: 0.000228741
H19: 1.21038e-08	H37: 0.00837848	H37f: 0.000226445

c1sd = -1.4828
 c1ed = -0.2246
 c2sd = -1.2025
 c2ed = 2.4182
 c3sd = -1.5427
 c3ed = -0.2961
 c4sd = -1.8013
 c4ed = 0.0
 varx = 1.8003%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.670003
 Actual Power: 0.448904
 Distortion 2H-18H: 0.000542295%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.4881 end: 6.7642 delta: 1.2761
 P2 start: 19.8017 end: 23.471 delta: 3.6693
 P3 start: 33.5821 end: 39.5181 delta: 5.936
 P4 start: 47.605 end: 55.5262 delta: 7.9211
 P5 start: 62.0592 end: 71.5252 delta: 9.466
 P6 start: 77.0596 end: 87.4063 delta: 10.3467

H3: -1.51026e-07	H21: 3.0421e-06	H21f: 1.44862e-07
H5: -2.8997e-06	H23: 0.692018	H23f: 0.0300877
H7: 1.61814e-07	H25: -0.306985	H25f: -0.0122794
H9: 6.92204e-07	H27: -0.216567	H27f: -0.00802101
H11: -1.8741e-06	H29: -0.0354841	H29f: -0.00122359
H13: -5.92488e-07	H31: 0.00353089	H31f: 0.0001139
H15: 2.15968e-06	H33: 0.00760382	H33f: 0.000230419
H17: -1.63908e-06	H35: 0.00826573	H35f: 0.000236164
H19: -5.96156e-08	H37: 0.00863973	H37f: 0.000233506

c1sd = -1.5141
 c1ed = -0.238
 c2sd = -1.2386
 c2ed = 2.4307
 c3sd = -1.5958
 c3ed = -0.304
 c4sd = -1.8688
 c4ed = 0.0
 varx = 1.7388%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.462401
 Distortion 2H-18H: 0.000961723%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.4662 end: 6.7593 delta: 1.2931
 P2 start: 19.7571 end: 23.4746 delta: 3.7175
 P3 start: 33.5122 end: 39.5286 delta: 6.0165
 P4 start: 47.5142 end: 55.5491 delta: 8.0349
 P5 start: 61.9573 end: 71.5699 delta: 9.6125
 P6 start: 76.9627 end: 87.4802 delta: 10.5174

H3: 2.97612e-07	H21: 4.8787e-06	H21f: 2.32319e-07
H5: -4.73202e-06	H23: 0.681834	H23f: 0.0296449
H7: -1.11604e-07	H25: -0.290697	H25f: -0.0116279
H9: 2.76531e-06	H27: -0.219438	H27f: -0.00812735
H11: -4.16994e-06	H29: -0.0377408	H29f: -0.00130141
H13: -1.28774e-06	H31: 0.00324472	H31f: 0.000104668
H15: 3.57134e-06	H33: 0.00765529	H33f: 0.000231979
H17: -1.9301e-06	H35: 0.00835137	H35f: 0.00023861
H19: -1.73868e-06	H37: 0.00870962	H37f: 0.000235395

c1sd = -1.5321
 c1ed = -0.239
 c2sd = -1.2721
 c2ed = 2.4454
 c3sd = -1.6482
 c3ed = -0.311
 c4sd = -1.9366
 c4ed = 0.0
 varx = 1.6812%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.689999
 Actual Power: 0.476099
 Distortion 2H-18H: 0.000372691%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.8556 end: 7.1433 delta: 1.2878
 P2 start: 19.8134 end: 23.576 delta: 3.7626
 P3 start: 33.4972 end: 39.5898 delta: 6.0926
 P4 start: 47.4572 end: 55.5998 delta: 8.1426
 P5 start: 61.8749 end: 71.6276 delta: 9.7527
 P6 start: 76.8741 end: 87.5559 delta: 10.6818

H3: 1.83312e-07	H21: -2.24164e-06	H21f: -1.06745e-07
H5: 1.45183e-06	H23: 0.660325	H23f: 0.0287098
H7: 4.55661e-07	H25: -0.29197	H25f: -0.0116788
H9: -8.18793e-07	H27: -0.231291	H27f: -0.00856634
H11: 1.35984e-06	H29: -0.044792	H29f: -0.00154455
H13: 6.76843e-07	H31: -0.0011667	H31f: -3.76354e-05
H15: -1.81112e-06	H33: 0.0033786	H33f: 0.000102382
H17: 4.91707e-07	H35: 0.00380748	H35f: 0.000108785
H19: -1.27353e-07	H37: 0.0038303	H37f: 0.000103522

c1sd = -1.1345
 c1ed = 0.1533
 c2sd = -1.1914
 c2ed = 2.5712
 c3sd = -1.6243
 c3ed = -0.2887
 c4sd = -1.9431
 c4ed = 0.0
 varx = 1.7159%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 70/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.490001
Distortion 2H-18H: 0.000443092%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 5.9537	end: 7.2528	delta: 1.2992
P2 start: 19.7997	end: 23.6088	delta: 3.8091
P3 start: 33.4434	end: 39.6142	delta: 6.1708
P4 start: 47.3752	end: 55.6289	delta: 8.2537
P5 start: 61.7768	end: 71.6743	delta: 9.8974
P6 start: 76.7778	end: 87.6305	delta: 10.8527

H3: 5.42078e-07	H21: 2.63295e-06	H21f: 1.25379e-07
H5: -2.01653e-06	H23: 0.646638	H23f: 0.0281147
H7: -8.05373e-07	H25: -0.280818	H25f: -0.0112327
H9: 1.34917e-06	H27: -0.236632	H27f: -0.00876415
H11: -1.26156e-06	H29: -0.0484845	H29f: -0.00167188
H13: -3.33587e-07	H31: -0.0024902	H31f: -8.03289e-05
H15: 1.91534e-06	H33: 0.00242583	H33f: 7.35099e-05
H17: -6.24984e-07	H35: 0.00283971	H35f: 8.11346e-05
H19: -3.30953e-07	H37: 0.00277628	H37f: 7.50346e-05

c1sd = -1.0316
c1ed = 0.2676
c2sd = -1.191
c2ed = 2.6181
c3sd = -1.6557
c3ed = -0.2867
c4sd = -1.9958
c4ed = 0.0
varx = 1.6872%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.709999
 Actual Power: 0.504099
 Distortion 2H-18H: 0.000705005%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 5.9821 end: 7.2955 delta: 1.3134
 P2 start: 19.7674 end: 23.6232 delta: 3.8558
 P3 start: 33.3789 end: 39.6279 delta: 6.249
 P4 start: 47.2859 end: 55.6509 delta: 8.3649
 P5 start: 61.6734 end: 71.717 delta: 10.0437
 P6 start: 76.6784 end: 87.7047 delta: 11.0264

H3: -1.24704e-06	H21: -3.37972e-06	H21f: -1.60939e-07
H5: 3.42044e-06	H23: 0.634869	H23f: 0.027603
H7: 4.58095e-08	H25: -0.26645	H25f: -0.010658
H9: -2.3278e-06	H27: -0.240292	H27f: -0.00889972
H11: 2.34184e-06	H29: -0.0515775	H29f: -0.00177853
H13: 9.78444e-07	H31: -0.00325983	H31f: -0.000105156
H15: -3.1069e-06	H33: 0.00205789	H33f: 6.23604e-05
H17: 1.15691e-06	H35: 0.00250193	H35f: 7.14838e-05
H19: 1.47394e-06	H37: 0.00240011	H37f: 6.48679e-05

c1sd = -0.9995
 c1ed = 0.3139
 c2sd = -1.2127
 c2ed = 2.643
 c3sd = -1.7034
 c3ed = -0.2899
 c4sd = -2.0632
 c4ed = 0.0
 varx = 1.6436%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 72/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00139442%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 6.1463	end: 7.4697	delta: 1.3234
P2 start: 19.7729	end: 23.6739	delta: 3.901
P3 start: 33.3348	end: 39.66	delta: 6.3252
P4 start: 47.2088	end: 55.6823	delta: 8.4736
P5 start: 61.5764	end: 71.7638	delta: 10.1874
P6 start: 76.5812	end: 87.7797	delta: 11.1985

H3: -1.40539e-06	H21: -7.26787e-06	H21f: -3.46089e-07
H5: 7.12532e-06	H23: 0.619044	H23f: 0.026915
H7: -5.11963e-07	H25: -0.258304	H25f: -0.0103322
H9: -4.00536e-06	H27: -0.246892	H27f: -0.00914415
H11: 4.10118e-06	H29: -0.0559655	H29f: -0.00192985
H13: 1.13512e-06	H31: -0.00488213	H31f: -0.000157488
H15: -6.75992e-06	H33: 0.000884616	H33f: 2.68065e-05
H17: 2.24449e-06	H35: 0.00133297	H35f: 3.8085e-05
H19: 1.93056e-06	H37: 0.00115222	H37f: 3.11412e-05

c1sd = -0.8301
c1ed = 0.4933
c2sd = -1.1921
c2ed = 2.7089
c3sd = -1.7233
c3ed = -0.2819
c4sd = -2.1089
c4ed = 0.0
varx = 1.6326%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00170281%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 6.2761 end: 7.6116 delta: 1.3354
 P2 start: 19.7703 end: 23.7163 delta: 3.9459
 P3 start: 33.2858 end: 39.6867 delta: 6.4009
 P4 start: 47.1278 end: 55.7098 delta: 8.582
 P5 start: 61.4761 end: 71.8079 delta: 10.3317
 P6 start: 76.4818 end: 87.8546 delta: 11.3728

H3: -3.43069e-06	H21: -8.44553e-06	H21f: -4.02168e-07
H5: 7.44355e-06	H23: 0.604074	H23f: 0.0262641
H7: 8.91088e-07	H25: -0.248649	H25f: -0.00994596
H9: -5.33663e-06	H27: -0.252592	H27f: -0.00935526
H11: 6.26597e-06	H29: -0.0600127	H29f: -0.0020694
H13: 1.87928e-06	H31: -0.00610423	H31f: -0.000196911
H15: -7.59603e-06	H33: 0.000168639	H33f: 5.11028e-06
H17: 3.08212e-06	H35: 0.00065503	H35f: 1.87151e-05
H19: 3.49088e-06	H37: 0.000415737	H37f: 1.12361e-05

c1sd = -0.6958
 c1ed = 0.6397
 c2sd = -1.1814
 c2ed = 2.7646
 c3sd = -1.7512
 c3ed = -0.2762
 c4sd = -2.1624
 c4ed = 0.0
 varx = 1.6149%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.000248565%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 6.5703	end: 7.9174	delta: 1.3471
P2 start: 19.8209	end: 23.81	delta: 3.9891
P3 start: 33.2661	end: 39.7399	delta: 6.4737
P4 start: 47.0645	end: 55.7514	delta: 8.6869
P5 start: 61.3858	end: 71.8578	delta: 10.472
P6 start: 76.3861	end: 87.9303	delta: 11.5442

H3: 4.78592e-07	H21: 1.09392e-06	H21f: 5.20916e-08
H5: -9.84532e-07	H23: 0.583817	H23f: 0.0253834
H7: -1.61158e-07	H25: -0.247241	H25f: -0.00988962
H9: 9.45789e-07	H27: -0.261895	H27f: -0.00969981
H11: -7.08565e-07	H29: -0.0649285	H29f: -0.00223891
H13: -4.02333e-07	H31: -0.00743337	H31f: -0.000239786
H15: 8.75139e-07	H33: -0.00050512	H33f: -1.53067e-05
H17: -1.14621e-06	H35: 3.44293e-05	H35f: 9.83695e-07
H19: -3.4545e-07	H37: -0.000277681	H37f: -7.5049e-06

c1sd = -0.3947
c1ed = 0.9523
c2sd = -1.1107
c2ed = 2.8784
c3sd = -1.7389
c3ed = -0.255
c4sd = -2.1841
c4ed = 0.0
varx = 1.6379%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 75/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.562499
Distortion 2H-18H: 0.00178108%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 6.55	end: 7.9121	delta: 1.3621
P2 start: 19.7738	end: 23.8081	delta: 4.0343
P3 start: 33.1913	end: 39.7411	delta: 6.5498
P4 start: 46.9657	end: 55.7617	delta: 8.796
P5 start: 61.2725	end: 71.8922	delta: 10.6197
P6 start: 76.2788	end: 88.0046	delta: 11.7258

H3: -3.06937e-06	H21: -8.27815e-06	H21f: -3.94197e-07
H5: 8.62122e-06	H23: 0.573285	H23f: 0.0249254
H7: -4.19208e-07	H25: -0.230253	H25f: -0.0092101
H9: -4.81205e-06	H27: -0.263924	H27f: -0.00977497
H11: 5.64813e-06	H29: -0.0681049	H29f: -0.00234845
H13: 2.88775e-06	H31: -0.00804901	H31f: -0.000259645
H15: -8.28393e-06	H33: -0.00057672	H33f: -1.74764e-05
H17: 2.77374e-06	H35: 3.84862e-05	H35f: 1.0996e-06
H19: 5.00615e-06	H37: -0.000315898	H37f: -8.53779e-06

c1sd = -0.4134
c1ed = 0.9487
c2sd = -1.1529
c2ed = 2.8814
c3sd = -1.8059
c3ed = -0.2617
c4sd = -2.2726
c4ed = 0.0
varx = 1.5871%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 76/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.760001
Actual Power: 0.577602
Distortion 2H-18H: 0.00265106%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 7.0562	end: 8.4381	delta: 1.382
P2 start: 19.9084	end: 23.983	delta: 4.0746
P3 start: 33.2185	end: 39.8359	delta: 6.6174
P4 start: 46.9305	end: 55.8251	delta: 8.8946
P5 start: 61.1975	end: 71.9507	delta: 10.7532
P6 start: 76.1884	end: 88.0816	delta: 11.8932

H3: 5.9581e-06	H21: 1.24773e-05	H21f: 5.94157e-07
H5: -1.08644e-05	H23: 0.545302	H23f: 0.0237088
H7: 4.13691e-07	H25: -0.240784	H25f: -0.00963137
H9: 9.99674e-06	H27: -0.277602	H27f: -0.0102816
H11: -8.75105e-06	H29: -0.0725769	H29f: -0.00250265
H13: -3.30294e-06	H31: -0.00743686	H31f: -0.000239899
H15: 1.13437e-05	H33: 0.000931984	H33f: 2.82419e-05
H17: -5.66245e-06	H35: 0.00158662	H35f: 4.53319e-05
H19: -6.72717e-06	H37: 0.00109471	H37f: 2.95869e-05

c1sd = 0.1032
c1ed = 1.4852
c2sd = -0.9877
c2ed = 3.0869
c3sd = -1.7301
c3ed = -0.2155
c4sd = -2.2445
c4ed = 0.0
varx = 1.6648%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.770002
 Actual Power: 0.592902
 Distortion 2H-18H: 0.0025219%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 7.1911	end: 8.592	delta: 1.4009
P2 start: 19.9193	end: 24.0368	delta: 4.1175
P3 start: 33.1756	end: 39.8649	delta: 6.6893
P4 start: 46.8501	end: 55.8488	delta: 8.9987
P5 start: 61.0932	end: 71.9893	delta: 10.8961
P6 start: 76.0831	end: 88.1568	delta: 12.0737

H3: 5.97928e-06	H21: 1.22965e-05	H21f: 5.85546e-07
H5: -1.0881e-05	H23: 0.529377	H23f: 0.0230164
H7: -2.95679e-07	H25: -0.232147	H25f: -0.00928588
H9: 9.03462e-06	H27: -0.28283	H27f: -0.0104752
H11: -6.80061e-06	H29: -0.0758855	H29f: -0.00261674
H13: -3.36619e-06	H31: -0.00711052	H31f: -0.000229372
H15: 1.19717e-05	H33: 0.0019697	H33f: 5.96878e-05
H17: -3.4206e-06	H35: 0.002664	H35f: 7.61142e-05
H19: -6.02769e-06	H37: 0.00203964	H37f: 5.51254e-05

c1sd = 0.2421
 c1ed = 1.6429
 c2sd = -0.9654
 c2ed = 3.1521
 c3sd = -1.7548
 c3ed = -0.2047
 c4sd = -2.3011
 c4ed = 0.0
 varx = 1.6535%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 78/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.780001
Actual Power: 0.608402
Distortion 2H-18H: 0.00350947%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 7.5503	end: 8.9815	delta: 1.4312
P2 start: 20.0255	end: 24.1837	delta: 4.1582
P3 start: 33.1872	end: 39.9434	delta: 6.7562
P4 start: 46.8036	end: 55.8996	delta: 9.096
P5 start: 61.0086	end: 72.0398	delta: 11.0311
P6 start: 75.986	end: 88.2334	delta: 12.2474

H3: 9.40528e-06	H21: 1.45295e-05	H21f: 6.91883e-07
H5: -1.39717e-05	H23: 0.504878	H23f: 0.0219512
H7: 6.53273e-07	H25: -0.236707	H25f: -0.00946828
H9: 1.4389e-05	H27: -0.29241	H27f: -0.01083
H11: -1.03664e-05	H29: -0.0776052	H29f: -0.00267604
H13: -5.43361e-06	H31: -0.00373432	H31f: -0.000120462
H15: 1.56647e-05	H33: 0.00603573	H33f: 0.000182901
H17: -4.94493e-06	H35: 0.00651256	H35f: 0.000186073
H19: -1.10713e-05	H37: 0.00548975	H37f: 0.000148372

c1sd = 0.6096
c1ed = 2.0408
c2sd = -0.8346
c2ed = 3.3235
c3sd = -1.7042
c3ed = -0.1652
c4sd = -2.2968
c4ed = 0.0
varx = 1.6991%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 79/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.789998
Actual Power: 0.624098
Distortion 2H-18H: 0.00337445%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 7.952	end: 9.4246	delta: 1.4726
P2 start: 20.1691	end: 24.3676	delta: 4.1984
P3 start: 33.2216	end: 40.0422	delta: 6.8206
P4 start: 46.771	end: 55.9603	delta: 9.1893
P5 start: 60.9313	end: 72.0938	delta: 11.1625
P6 start: 75.891	end: 88.3105	delta: 12.4196

H3: 8.26157e-06	H21: 1.34308e-05	H21f: 6.3956e-07
H5: -1.45058e-05	H23: 0.477537	H23f: 0.0207625
H7: 1.38608e-06	H25: -0.245219	H25f: -0.00980877
H9: 1.44951e-05	H27: -0.301876	H27f: -0.0111806
H11: -8.0869e-06	H29: -0.0765417	H29f: -0.00263937
H13: -5.0397e-06	H31: 0.00291313	H31f: 9.39719e-05
H15: 1.57354e-05	H33: 0.0129246	H33f: 0.000391656
H17: -8.12595e-06	H35: 0.0126561	H35f: 0.000361603
H19: -7.94809e-06	H37: 0.0107585	H37f: 0.000290771

c1sd = 1.0213
c1ed = 2.4939
c2sd = -0.6617
c2ed = 3.5367
c3sd = -1.6232
c3ed = -0.113
c4sd = -2.2686
c4ed = 0.0
varx = 1.7568%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 80/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.799999
Actual Power: 0.639998
Distortion 2H-18H: 0.0027521%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 8.4286	end: 9.9608	delta: 1.5322
P2 start: 20.3785	end: 24.6178	delta: 4.2393
P3 start: 33.2974	end: 40.1786	delta: 6.8812
P4 start: 46.7648	end: 56.0414	delta: 9.2766
P5 start: 60.869	end: 72.1562	delta: 11.2872
P6 start: 75.8018	end: 88.3886	delta: 12.5868

H3: 4.93292e-06	H21: 1.18083e-05	H21f: 5.623e-07
H5: -9.56228e-06	H23: 0.445091	H23f: 0.0193518
H7: -1.05705e-06	H25: -0.2606	H25f: -0.010424
H9: 1.22796e-05	H27: -0.310657	H27f: -0.0115058
H11: -7.05442e-06	H29: -0.0700849	H29f: -0.00241672
H13: -4.39293e-06	H31: 0.0152167	H31f: 0.00049086
H15: 1.3224e-05	H33: 0.0242217	H33f: 0.000733992
H17: -6.47307e-06	H35: 0.0219474	H35f: 0.000627068
H19: -8.02848e-06	H37: 0.0181441	H37f: 0.00049038

c1sd = 1.5112
c1ed = 3.0434
c2sd = -0.4133
c2ed = 3.826
c3sd = -1.4852
c3ed = -0.0388
c4sd = -2.1939
c4ed = 0.0
varx = 1.8342%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.810002
 Actual Power: 0.656103
 Distortion 2H-18H: 0.00590568%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 8.6384 end: 10.2117 delta: 1.5733
 P2 start: 20.4621 end: 24.7436 delta: 4.2815
 P3 start: 33.2991 end: 40.2452 delta: 6.9461
 P4 start: 46.7099 end: 56.0809 delta: 9.371
 P5 start: 60.7752 end: 72.1964 delta: 11.4212
 P6 start: 75.6958 end: 88.4649 delta: 12.7691

H3: 1.6646e-05	H21: 2.90714e-05	H21f: 1.38435e-06
H5: -1.99565e-05	H23: 0.424005	H23f: 0.018435
H7: -5.08616e-07	H25: -0.259093	H25f: -0.0103637
H9: 2.74831e-05	H27: -0.315001	H27f: -0.0116667
H11: -1.57914e-05	H29: -0.0677808	H29f: -0.00233727
H13: -5.54947e-06	H31: 0.0220158	H31f: 0.000710186
H15: 2.79078e-05	H33: 0.0304933	H33f: 0.000924039
H17: -5.41211e-06	H35: 0.026802	H35f: 0.000765771
H19: -1.1105e-05	H37: 0.0215935	H37f: 0.000583607

c1sd = 1.7275
 c1ed = 3.3008
 c2sd = -0.3106
 c2ed = 3.9709
 c3sd = -1.4532
 c3ed = -0.0025
 c4sd = -2.2093
 c4ed = 0.0
 varx = 1.8433%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 82/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.819999
Actual Power: 0.672399
Distortion 2H-18H: 0.002594%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 9.1754	end: 10.8422	delta: 1.6668
P2 start: 20.7763	end: 25.1043	delta: 4.328
P3 start: 33.4489	end: 40.4497	delta: 7.0008
P4 start: 46.7522	end: 56.1986	delta: 9.4464
P5 start: 60.7405	end: 72.2735	delta: 11.533
P6 start: 75.617	end: 88.5444	delta: 12.9274

H3: 8.29866e-06	H21: 1.22519e-05	H21f: 5.83422e-07
H5: -1.04026e-05	H23: 0.383974	H23f: 0.0166945
H7: -2.15509e-06	H25: -0.283237	H25f: -0.0113295
H9: 1.0489e-05	H27: -0.31846	H27f: -0.0117948
H11: -6.56264e-06	H29: -0.0486701	H29f: -0.00167828
H13: -2.79074e-06	H31: 0.0450471	H31f: 0.00145313
H15: 1.21117e-05	H33: 0.0480009	H33f: 0.00145457
H17: -3.35358e-06	H35: 0.0387037	H35f: 0.00110582
H19: -4.71518e-06	H37: 0.0291779	H37f: 0.000788593

c1sd = 2.2839
c1ed = 3.9507
c2sd = 0.0603
c2ed = 4.3884
c3sd = -1.2131
c3ed = 0.1117
c4sd = -2.0493
c4ed = 0.0
varx = 1.9329%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 83/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.829998
Actual Power: 0.688897
Distortion 2H-18H: 0.00149317%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 9.6425	end: 11.4131	delta: 1.7706
P2 start: 21.1019	end: 25.4843	delta: 4.3824
P3 start: 33.6186	end: 40.6738	delta: 7.0552
P4 start: 46.8098	end: 56.3279	delta: 9.5181
P5 start: 60.715	end: 72.3543	delta: 11.6393
P6 start: 75.5409	end: 88.6242	delta: 13.0833

H3: 3.41358e-06	H21: 7.17548e-06	H21f: 3.4169e-07
H5: -5.68727e-06	H23: 0.343599	H23f: 0.0149391
H7: -6.92295e-07	H25: -0.305474	H25f: -0.012219
H9: 7.10146e-06	H27: -0.315357	H27f: -0.0116799
H11: -3.61584e-06	H29: -0.0229897	H29f: -0.00079275
H13: -1.01985e-06	H31: 0.070758	H31f: 0.00228252
H15: 7.0527e-06	H33: 0.0644757	H33f: 0.00195381
H17: -1.9793e-06	H35: 0.04751	H35f: 0.00135743
H19: -2.96442e-06	H37: 0.03291	H37f: 0.000889459

c1sd = 2.7722
c1ed = 4.5429
c2sd = 0.4483
c2ed = 4.8307
c3sd = -0.9441
c3ed = 0.2366
c4sd = -1.8623
c4ed = 0.0
varx = 1.999%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 84/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00161909%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 9.9623	end: 11.8232	delta: 1.8609
P2 start: 21.352	end: 25.7927	delta: 4.4407
P3 start: 33.7486	end: 40.8613	delta: 7.1127
P4 start: 46.8428	end: 56.4351	delta: 9.5924
P5 start: 60.6729	end: 72.4219	delta: 11.749
P6 start: 75.4546	end: 88.703	delta: 13.2484

H3: 4.2764e-06	H21: 6.95237e-06	H21f: 3.31065e-07
H5: -4.77029e-06	H23: 0.309931	H23f: 0.0134753
H7: 2.58133e-07	H25: -0.317543	H25f: -0.0127017
H9: 7.5891e-06	H27: -0.309223	H27f: -0.0114527
H11: -4.11487e-06	H29: -0.000317026	H29f: -1.09319e-05
H13: -2.90498e-06	H31: 0.0912326	H31f: 0.00294299
H15: 7.42647e-06	H33: 0.0753446	H33f: 0.00228317
H17: -4.10279e-06	H35: 0.0514234	H35f: 0.00146924
H19: -4.213e-06	H37: 0.0328757	H37f: 0.000888533

c1sd = 3.1097
c1ed = 4.9706
c2sd = 0.7502
c2ed = 5.1909
c3sd = -0.7318
c3ed = 0.3418
c4sd = -1.7221
c4ed = 0.0
varx = 2.0234%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 85/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00113136%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 10.2671	end: 12.2263	delta: 1.9593
P2 start: 21.6239	end: 26.1318	delta: 4.5079
P3 start: 33.9065	end: 41.0771	delta: 7.1706
P4 start: 46.8978	end: 56.5593	delta: 9.6615
P5 start: 60.6441	end: 72.4955	delta: 11.8514
P6 start: 75.3729	end: 88.7823	delta: 13.4094

H3: 3.54158e-06	H21: 4.04752e-06	H21f: 1.92739e-07
H5: -4.33918e-06	H23: 0.274633	H23f: 0.0119406
H7: 1.49231e-06	H25: -0.329913	H25f: -0.0131965
H9: 5.08916e-06	H27: -0.298167	H27f: -0.0110432
H11: -2.56487e-06	H29: 0.0271232	H29f: 0.000935282
H13: -2.52054e-06	H31: 0.112342	H31f: 0.00362394
H15: 5.74391e-06	H33: 0.0838167	H33f: 0.0025399
H17: -1.28148e-06	H35: 0.0522259	H35f: 0.00149217
H19: -2.13341e-06	H37: 0.0302351	H37f: 0.000817165

c1sd = 3.4349
c1ed = 5.3942
c2sd = 1.0819
c2ed = 5.5898
c3sd = -0.4787
c3ed = 0.4623
c4sd = -1.543
c4ed = 0.0
varx = 2.0368%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 86/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.7396
Distortion 2H-18H: 0.00110785%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 10.5299	end: 12.5872	delta: 2.0573
P2 start: 21.886	end: 26.4691	delta: 4.583
P3 start: 34.0713	end: 41.3023	delta: 7.2309
P4 start: 46.9618	end: 56.6898	delta: 9.728
P5 start: 60.6208	end: 72.5696	delta: 11.9488
P6 start: 75.2913	end: 88.8617	delta: 13.5704

H3: 3.73572e-06	H21: 5.41238e-06	H21f: 2.57732e-07
H5: -2.02964e-06	H23: 0.240163	H23f: 0.0104419
H7: -6.05111e-07	H25: -0.339665	H25f: -0.0135866
H9: 5.33394e-06	H27: -0.28344	H27f: -0.0104978
H11: -2.69549e-06	H29: 0.0557023	H29f: 0.00192077
H13: -1.70381e-06	H31: 0.130999	H31f: 0.00422576
H15: 4.90644e-06	H33: 0.0884136	H33f: 0.0026792
H17: -2.89652e-06	H35: 0.0498465	H35f: 0.00142418
H19: -1.97855e-06	H37: 0.0257182	H37f: 0.000695086

c1sd = 3.7192
c1ed = 5.7765
c2sd = 1.407
c2ed = 5.9901
c3sd = -0.2137
c3ed = 0.5873
c4sd = -1.3484
c4ed = 0.0
varx = 2.0334%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00041116161%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 10.7421	end: 12.8912	delta: 2.1491
P2 start: 22.1177	end: 26.7808	delta: 4.663
P3 start: 34.2257	end: 41.52	delta: 7.2943
P4 start: 47.0226	end: 56.8161	delta: 9.7935
P5 start: 60.5947	end: 72.6386	delta: 12.044
P6 start: 75.2055	end: 88.9407	delta: 13.7353

H3: 9.88618e-07	H21: 2.30955e-06	H21f: 1.09978e-07
H5: -9.42095e-07	H23: 0.208252	H23f: 0.00905444
H7: 5.48309e-07	H25: -0.345347	H25f: -0.0138139
H9: 1.79308e-06	H27: -0.267218	H27f: -0.00989696
H11: -1.36398e-06	H29: 0.0821893	H29f: 0.00283411
H13: -5.03256e-07	H31: 0.145641	H31f: 0.00469811
H15: 1.9249e-06	H33: 0.0893111	H33f: 0.0027064
H17: -5.43911e-07	H35: 0.0454013	H35f: 0.00129718
H19: -2.75466e-07	H37: 0.0206208	H37f: 0.00055732

c1sd = 3.9522
 c1ed = 6.1013
 c2sd = 1.6996
 c2ed = 6.3627
 c3sd = 0.0376
 c3ed = 0.7082
 c4sd = -1.1613
 c4ed = 0.0
 varx = 2.0135%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 88/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.000945474%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 10.8987	end: 13.1279	delta: 2.2292
P2 start: 22.2995	end: 27.042	delta: 4.7425
P3 start: 34.3488	end: 41.709	delta: 7.3601
P4 start: 47.0636	end: 56.924	delta: 9.8604
P5 start: 60.5544	end: 72.6942	delta: 12.1398
P6 start: 75.1085	end: 89.0191	delta: 13.9106

H3: 1.95477e-06	H21: 5.12511e-06	H21f: 2.44053e-07
H5: -1.19011e-06	H23: 0.180714	H23f: 0.00785715
H7: 5.29759e-07	H25: -0.345978	H25f: -0.0138391
H9: 4.81026e-06	H27: -0.252621	H27f: -0.00935633
H11: -2.17951e-06	H29: 0.10339	H29f: 0.00356518
H13: -1.67836e-06	H31: 0.155839	H31f: 0.00502708
H15: 4.89842e-06	H33: 0.087865	H33f: 0.00266258
H17: -1.28852e-06	H35: 0.0405244	H35f: 0.00115784
H19: -1.11658e-06	H37: 0.0161096	H37f: 0.000435394

c1sd = 4.1266
c1ed = 6.3558
c2sd = 1.9335
c2ed = 6.676
c3sd = 0.2435
c3ed = 0.8143
c4sd = -1.0124
c4ed = 0.0
varx = 1.9801%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 89/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H:	0.000309239%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	11.0906	end:	13.4183	delta:	2.3276
P2 start:	22.5483	end:	27.3915	delta:	4.8432
P3 start:	34.5482	end:	41.9815	delta:	7.4333
P4 start:	47.1714	end:	57.0898	delta:	9.9184
P5 start:	60.5609	end:	72.7762	delta:	12.2153
P6 start:	75.0327	end:	89.099	delta:	14.0663

H3: 9.09555e-07	H21: 1.77038e-06	H21f: 8.4304e-08
H5: -4.9457e-07	H23: 0.146746	H23f: 0.00638024
H7: 1.94905e-07	H25: -0.35058	H25f: -0.0140232
H9: 1.65804e-06	H27: -0.228061	H27f: -0.0084467
H11: -6.12399e-07	H29: 0.133423	H29f: 0.00460078
H13: -3.60761e-07	H31: 0.165483	H31f: 0.00533817
H15: 9.89141e-07	H33: 0.0822338	H33f: 0.00249193
H17: -9.12899e-07	H35: 0.0326676	H35f: 0.000933359
H19: -5.02649e-07	H37: 0.0104197	H37f: 0.000281614

c1sd = 4.3458
c1ed = 6.6734
c2sd = 2.2622
c2ed = 7.1054
c3sd = 0.5701
c3ed = 0.9597
c4sd = -0.7388
c4ed = 0.0
varx = 1.9417%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 90/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.9
Actual Power: 0.81
Distortion 2H-18H: 0.00031103%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 11.1799 end: 13.572 delta: 2.392
P2 start: 22.6635 end: 27.5854 delta: 4.9218
P3 start: 34.6294 end: 42.1327 delta: 7.5033
P4 start: 47.1872 end: 57.1719 delta: 9.9847
P5 start: 60.5007 end: 72.8082 delta: 12.3075
P6 start: 74.9154 end: 89.1764 delta: 14.261

H3: 8.99449e-07	H21: 1.65434e-06	H21f: 7.87782e-08
H5: -8.26368e-07	H23: 0.125204	H23f: 0.00544364
H7: 2.16831e-07	H25: -0.344827	H25f: -0.0137931
H9: 1.68647e-06	H27: -0.216535	H27f: -0.00801982
H11: -7.66576e-09	H29: 0.146806	H29f: 0.00506227
H13: -4.02157e-07	H31: 0.169792	H31f: 0.00547716
H15: 1.51782e-06	H33: 0.0783981	H33f: 0.0023757
H17: -2.77771e-07	H35: 0.0283196	H35f: 0.000809131
H19: -1.06514e-07	H37: 0.00750712	H37f: 0.000202895

c1sd = 4.4486
c1ed = 6.8406
c2sd = 2.4171
c2ed = 7.3389
c3sd = 0.7143
c3ed = 1.0479
c4sd = -0.641
c4ed = 0.0
varx = 1.8928%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.909999
 Actual Power: 0.828099
 Distortion 2H-18H: 0.00011312%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.2604 end: 13.7156 delta: 2.4552
 P2 start: 22.772 end: 27.7746 delta: 5.0026
 P3 start: 34.71 end: 42.285 delta: 7.575
 P4 start: 47.2051 end: 57.2531 delta: 10.0481
 P5 start: 60.4399 end: 72.8325 delta: 12.3926
 P6 start: 74.7906 end: 89.2538 delta: 14.4633

H3: 2.22391e-07	H21: 3.21673e-07	H21f: 1.53178e-08
H5: -2.00152e-08	H23: 0.104325	H23f: 0.00453587
H7: -1.19138e-08	H25: -0.338285	H25f: -0.0135314
H9: 5.46712e-07	H27: -0.20489	H27f: -0.00758851
H11: -2.27446e-08	H29: 0.159289	H29f: 0.00549271
H13: -8.98119e-08	H31: 0.172929	H31f: 0.00557837
H15: 8.28408e-07	H33: 0.0738578	H33f: 0.00223811
H17: -2.35473e-07	H35: 0.0240741	H35f: 0.00068783
H19: 1.93129e-07	H37: 0.00495436	H37f: 0.000133902

c1sd = 4.5424
 c1ed = 6.9976
 c2sd = 2.5647
 c2ed = 7.5673
 c3sd = 0.8572
 c3ed = 1.1378
 c4sd = -0.5418
 c4ed = 0.0
 varx = 1.8408%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 92/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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:	0.846401
Distortion 2H-18H:	7.40372e-05%
First strong harmonics:	19 and 21
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 11.37	end: 13.9035	delta: 2.5336
P2 start: 22.935	end: 28.039	delta: 5.104
P3 start: 34.8583	end: 42.5163	delta: 7.658
P4 start: 47.2882	end: 57.3935	delta: 10.1054
P5 start: 60.4275	end: 72.8812	delta: 12.4537
P6 start: 74.6853	end: 89.3327	delta: 14.6474

H3: 2.74967e-08	H21: 2.35686e-07	H21f: 1.12232e-08
H5: -6.59921e-08	H23: 0.0779232	H23f: 0.00338797
H7: -1.41412e-07	H25: -0.334768	H25f: -0.0133907
H9: 5.13272e-07	H27: -0.184212	H27f: -0.00682268
H11: -1.04987e-07	H29: 0.178437	H29f: 0.00615299
H13: -2.53816e-08	H31: 0.174207	H31f: 0.00561958
H15: 3.73955e-07	H33: 0.0657016	H33f: 0.00199096
H17: -2.23209e-07	H35: 0.0182072	H35f: 0.000520205
H19: -5.20991e-08	H37: 0.00214077	H37f: 5.78587e-05

c1sd = 4.6751
c1ed = 7.2086
c2sd = 2.7955
c2ed = 7.8994
c3sd = 1.1132
c3ed = 1.2614
c4sd = -0.3183
c4ed = 0.0
varx = 1.784%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 93/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.000128645%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 11.4421	end: 14.0404	delta: 2.5982
P2 start: 23.0443	end: 28.2392	delta: 5.1949
P3 start: 34.9562	end: 42.6951	delta: 7.7389
P4 start: 47.3311	end: 57.4944	delta: 10.1633
P5 start: 60.3831	end: 72.8971	delta: 12.514
P6 start: 74.551	end: 89.4105	delta: 14.8595

H3: 5.1682e-07	H21: 5.44021e-07	H21f: 2.59058e-08
H5: -1.30565e-07	H23: 0.0567661	H23f: 0.00246809
H7: 6.99456e-08	H25: -0.327466	H25f: -0.0130986
H9: 5.80289e-07	H27: -0.169836	H27f: -0.00629024
H11: -1.03859e-07	H29: 0.190599	H29f: 0.00657239
H13: -4.77065e-07	H31: 0.174224	H31f: 0.00562012
H15: 5.92983e-07	H33: 0.0591474	H33f: 0.00179234
H17: 1.92007e-08	H35: 0.0142712	H35f: 0.000407747
H19: -3.77952e-07	H37: 0.00042764	H37f: 1.15578e-05

c1sd = 4.7638
c1ed = 7.3621
c2sd = 2.9534
c2ed = 8.1483
c3sd = 1.2885
c3ed = 1.3628
c4sd = -0.1746
c4ed = 0.0
varx = 1.7254%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 0.00011431%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.5098 end: 14.1727 delta: 2.6629
 P2 start: 23.1516 end: 28.4414 delta: 5.2898
 P3 start: 35.0595 end: 42.8844 delta: 7.8248
 P4 start: 47.3845 end: 57.6033 delta: 10.2188
 P5 start: 60.3455 end: 72.9037 delta: 12.5581
 P6 start: 74.4073 end: 89.4885 delta: 15.0812

H3: 1.34558e-07	H21: 5.92057e-07	H21f: 2.81932e-08
H5: -2.09911e-07	H23: 0.0357025	H23f: 0.00155228
H7: -2.53739e-07	H25: -0.319688	H25f: -0.0127875
H9: 5.74116e-07	H27: -0.154606	H27f: -0.00572614
H11: -1.24772e-07	H29: 0.202161	H29f: 0.00697105
H13: -3.47782e-07	H31: 0.172825	H31f: 0.005575
H15: 6.02822e-07	H33: 0.0520039	H33f: 0.00157588
H17: 0.0	H35: 0.0107967	H35f: 0.000308478
H19: 8.49843e-09	H37: -0.000859288	H37f: -2.3224e-05

c1sd = 4.8494
 c1ed = 7.5124
 c2sd = 3.1133
 c2ed = 8.403
 c3sd = 1.4754
 c3ed = 1.4684
 c4sd = -0.0122
 c4ed = 0.0
 varx = 1.6641%.

STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 95/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 5.49623e-05%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 11.5884	end: 14.3235	delta: 2.7351
P2 start: 23.2844	end: 28.6842	delta: 5.3998
P3 start: 35.204	end: 43.1296	delta: 7.9256
P4 start: 47.4878	end: 57.7618	delta: 10.2741
P5 start: 60.3502	end: 72.9235	delta: 12.5733
P6 start: 74.2733	end: 89.5674	delta: 15.2941

H3: 5.32568e-08	H21: 1.14122e-07	H21f: 5.43437e-09
H5: 3.19541e-08	H23: 0.0116616	H23f: 0.000507028
H7: -9.12974e-08	H25: -0.312752	H25f: -0.0125101
H9: 2.39656e-07	H27: -0.133385	H27f: -0.0049402
H11: 1.45246e-08	H29: 0.216059	H29f: 0.00745031
H13: 1.5977e-07	H31: 0.168372	H31f: 0.00543135
H15: 3.67472e-07	H33: 0.0428	H33f: 0.00129697
H17: -2.06762e-07	H35: 0.00742237	H35f: 0.000212068
H19: 1.26135e-07	H37: -0.00176484	H37f: -4.76984e-05

c1sd = 4.9541
c1ed = 7.6892
c2sd = 3.3225
c2ed = 8.7223
c3sd = 1.7416
c3ed = 1.5921
c4sd = 0.2496
c4ed = 0.0
varx = 1.5982%.

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STEP-LOCKED MAGIC SINEWAVE

ANXC24 - 96/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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-18H: 3.71176e-05%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 11.6375	end: 14.4321	delta: 2.7946
P2 start: 23.3683	end: 28.864	delta: 5.4957
P3 start: 35.2942	end: 43.314	delta: 8.0197
P4 start: 47.5419	end: 57.8686	delta: 10.3267
P5 start: 60.3115	end: 72.8863	delta: 12.5748
P6 start: 74.0872	end: 89.6452	delta: 15.558

H3: 1.05404e-07	H21: 0.0	H21f: 0.0
H5: 4.74319e-08	H23: -0.00721676	H23f: -0.000313772
H7: -1.80693e-07	H25: -0.302982	H25f: -0.0121193
H9: 1.6689e-07	H27: -0.119811	H27f: -0.00443743
H11: -1.86853e-07	H29: 0.223821	H29f: 0.00771797
H13: -7.29721e-08	H31: 0.16495	H31f: 0.00532097
H15: 5.79723e-08	H33: 0.0361036	H33f: 0.00109405
H17: -1.39506e-07	H35: 0.00573557	H35f: 0.000163873
H19: -2.91248e-08	H37: -0.00226422	H37f: -6.11952e-05

c1sd = 5.0207
c1ed = 7.8154
c2sd = 3.4579
c2ed = 8.9536
c3sd = 1.9137
c3ed = 1.6945
c4sd = 0.4105
c4ed = 0.0
varx = 1.5339%.

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SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.969998
 Actual Power: 0.940897
 Distortion 2H-18H: 0.00017369%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.6884	end: 14.545	delta: 2.8567
P2 start: 23.4594	end: 29.0584	delta: 5.5991
P3 start: 35.4014	end: 43.526	delta: 8.1246
P4 start: 47.6224	end: 58.0019	delta: 10.3795
P5 start: 60.2958	end: 72.8322	delta: 12.5364
P6 start: 73.8829	end: 89.7236	delta: 15.8407

H3: 1.0171e-06	H21: 4.06094e-07	H21f: 1.93378e-08
H5: -3.75544e-07	H23: -0.027091	H23f: -0.00117787
H7: 7.48852e-07	H25: -0.29317	H25f: -0.0117268
H9: 2.17328e-07	H27: -0.103768	H27f: -0.00384326
H11: -2.70278e-07	H29: 0.231683	H29f: 0.00798907
H13: 5.17576e-07	H31: 0.159716	H31f: 0.00515212
H15: -1.25181e-07	H33: 0.0287927	H33f: 0.000872507
H17: 7.3636e-07	H35: 0.00467371	H35f: 0.000133535
H19: -4.1178e-07	H37: -0.00255627	H37f: -6.90885e-05

c1sd = 5.0936
 c1ed = 7.9502
 c2sd = 3.6133
 c2ed = 9.2124
 c3sd = 2.1232
 c3ed = 1.8043
 c4sd = 0.6243
 c4ed = 0.0
 varx = 1.4671%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.979999
 Actual Power: 0.960398
 Distortion 2H-18H: 7.12925e-05%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.7296 end: 14.6445 delta: 2.9149
 P2 start: 23.535 end: 29.2347 delta: 5.6997
 P3 start: 35.494 end: 43.7251 delta: 8.2312
 P4 start: 47.6938 end: 58.123 delta: 10.4291
 P5 start: 60.2693 end: 72.7166 delta: 12.4472
 P6 start: 73.6191 end: 89.8019 delta: 16.1828

H3: 5.16266e-08	H21: 4.90452e-07	H21f: 2.33549e-08
H5: -2.3232e-07	H23: -0.0453691	H23f: -0.00197257
H7: 5.53142e-08	H25: -0.282302	H25f: -0.0112921
H9: 6.0231e-08	H27: -0.089973	H27f: -0.00333233
H11: -2.112e-07	H29: 0.237272	H29f: 0.00818178
H13: 6.5526e-08	H31: 0.154626	H31f: 0.00498793
H15: -2.01344e-07	H33: 0.0222225	H33f: 0.00067341
H17: 1.5488e-07	H35: 0.00456084	H35f: 0.00013031
H19: -3.01608e-07	H37: -0.00278582	H37f: -7.52925e-05

c1sd = 5.1547
 c1ed = 8.0696
 c2sd = 3.7473
 c2ed = 9.447
 c3sd = 2.3086
 c3ed = 1.9105
 c4sd = 0.8168
 c4ed = 0.0
 varx = 1.4001%.

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.989995
 Actual Power: 0.980091
 Distortion 2H-18H: 0.000398207%
 First strong harmonics: 19 and 21
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.8035	end: 14.7965	delta: 2.9931
P2 start: 23.6799	end: 29.521	delta: 5.841
P3 start: 35.6985	end: 44.0929	delta: 8.3944
P4 start: 47.9214	end: 58.4404	delta: 10.519
P5 start: 60.4179	end: 72.687	delta: 12.2691
P6 start: 73.4282	end: 89.8826	delta: 16.4544

H3: 1.4565e-06	H21: 2.4348e-06	H21f: 1.15943e-07
H5: -1.37984e-06	H23: -0.0725454	H23f: -0.00315415
H7: 1.4565e-06	H25: -0.273042	H25f: -0.0109217
H9: 1.37984e-06	H27: -0.0586182	H27f: -0.00217104
H11: -1.01049e-06	H29: 0.246993	H29f: 0.00851701
H13: 2.35871e-08	H31: 0.140083	H31f: 0.00451881
H15: 5.31495e-07	H33: 0.0131604	H33f: 0.000398799
H17: 2.5252e-07	H35: 0.00530401	H35f: 0.000151543
H19: -7.14129e-07	H37: -0.00292113	H37f: -7.89494e-05

c1sd = 5.2808
 c1ed = 8.2739
 c2sd = 4.0453
 c2ed = 9.8864
 c3sd = 2.7567
 c3ed = 2.0347
 c4sd = 1.3617
 c4ed = 0.0
 varx = 1.3249%.

STEP-LOCKED MAGIC SINEWAVE ANXC24 - 100/100

SUMMARY: This steplock-24 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 22 are virtually zero. The first major harmonics are the 23rd and 25th. 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: 0.999958
Actual Power: 0.999917
Distortion 2H-18H: 0.00024316161%
First strong harmonics: 19 and 21
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 11.8594 end: 14.9224 delta: 3.063
P2 start: 23.7933 end: 29.7668 delta: 5.9735
P3 start: 35.8683 end: 44.4302 delta: 8.562
P4 start: 48.1287 end: 58.7562 delta: 10.6274
P5 start: 60.5701 end: 72.5596 delta: 11.9895
P6 start: 73.1423 end: 89.9628 delta: 16.8205

H3: 1.01192e-06	H21: 1.06613e-06	H21f: 5.07682e-08
H5: -5.46438e-07	H23: -0.0966297	H23f: -0.00420129
H7: 7.48099e-07	H25: -0.261497	H25f: -0.0104599
H9: 1.68654e-07	H27: -0.0320293	H27f: -0.00118627
H11: -5.65756e-07	H29: 0.251296	H29f: 0.00866538
H13: 9.1073e-07	H31: 0.126591	H31f: 0.00408359
H15: -2.07444e-07	H33: 0.0071548	H33f: 0.000216812
H17: 1.19645e-06	H35: 0.00707666	H35f: 0.00020219
H19: -4.91315e-07	H37: -0.00345692	H37f: -9.34303e-05

c1sd = 5.3887
c1ed = 8.4517
c2sd = 4.311
c2ed = 10.2845
c3sd = 3.1688
c3ed = 2.1297
c4sd = 1.8849
c4ed = 0.0
varx = 1.253%.

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