

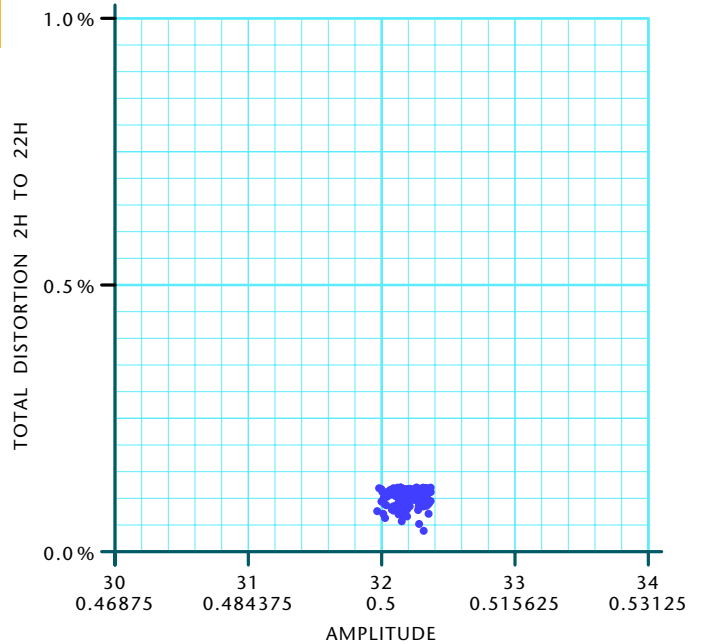
THREE PHASE MAGIC SINEWAVES

768D-24-22-2-32X

bits - trans - harms - filt - level

SUMMARY: This delta-friendly sequence combines low distortion with reasonable efficiency and has only a maximum of 24 transitions per quarter. Second order filtering is shown.

Level: 32 of 64
Bits in word: 768
Bits in quarter: 192
Controlled harmonics: 2 through 22nd
Filter: 2nd order Butterworth, F=2.0
Maximum transitions: 24
Graph max distortion: 0.12%
Report max distortion: 0.06%
Unlikely exclusions: yes
Verify zero third: yes
Delta friendly: yes



Amplitude: 0.504712 Power: 0.254734 Distortion: 0.057% Transitions: 22 Jitter: 15.0%
One Patterns (start-length): 7-1 19-1 33-1 41-3 52-0 57-3 71-5 87-7 109-11 135-13 161-11 180-8
%000000010000000000100000000000100000001110000000000001110000000000111110000000000111111100
00000000000011111111110000000000000011111111111000000000000111111111100000000111111110000
Hexadecimal: \$0100 1000 4070 0070 01F0 01FC 0007 FF00 01FF F000 7FF0 0FF0
H3 = 3.93655e-08 H5 = -4.44731e-05 H7 = -8.29283e-05 H9 = -2.46034e-09 H11 = 0.000362701
H13 = 0.000353232 H15 = 9.22628e-10 H17 = -0.000258708 H19 = -3.9427e-07

Amplitude: 0.509842 Power: 0.259939 Distortion: 0.039% Transitions: 22 Jitter: 31.4%
One Patterns (start-length): 7-0 18-1 31-2 41-1 51-2 57-3 71-4 87-8 110-11 135-12 159-11 179-9
%0000000000000000000010000000000011000000001000000001100001110000000000111100000000000111111110
000000000000001111111111000000000000011111111111000000000001111111111000000000111111110000
Hexadecimal: \$0000 2001 8040 1870 01E0 01FE 0003 FF80 01FF E001 FFC0 1FF0
H3 = 7.79387e-08 H5 = -0.000155872 H7 = -4.40962e-05 H9 = -1.21779e-09 H11 = -0.000270648
H13 = -0.000217985 H15 = 1.52224e-10 H17 = 1.34125e-06 H19 = 0.000104567

Amplitude: 0.50877 Power: 0.258847 Distortion: 0.052% Transitions: 20 Jitter: 28.0%
One Patterns (start-length): 3-0 10-0 21-2 32-1 45-2 54-4 74-7 96-9 118-7 131-7 149-12 173-13
%00000000000000000000110000000001000000000011000000011100000000000001111110000000000000000
111111111000000000000111111000000111111000000000011111111110000000000011111111111000000
Hexadecimal: \$0000 0600 8006 03C0 003F 8000 FF80 03F8 1FC0 07FF 8007 FFC0
H3 = -3.90515e-08 H5 = 0.000295139 H7 = 0.000268167 H9 = -6.10179e-10 H11 = 0.000156866
H13 = 4.57186e-05 H15 = 6.10179e-10 H17 = 0.000136763 H19 = 0.000276438

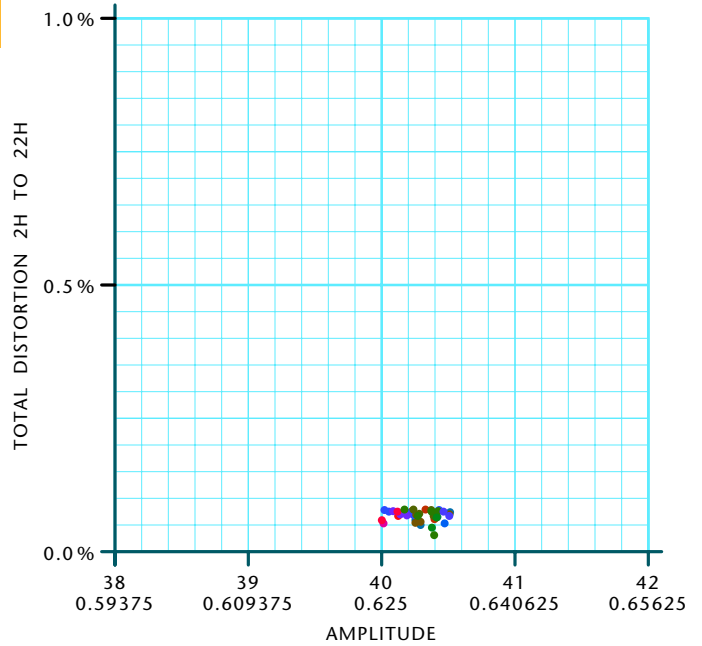
THREE PHASE MAGIC SINEWAVES

768D-24-22-2-40X

bits - trans - harms - filt - level

SUMMARY: This delta-friendly sequence combines low distortion with reasonable efficiency and has only a maximum of 24 transitions per quarter. Second order filtering is shown.

Level: 40 of 64
Bits in word: 768
Bits in quarter: 192
Controlled harmonics: 2 through 22nd
Filter: 2nd order Butterworth, F=2.0
Maximum transitions: 24
Graph max distortion: 0.08%
Report max distortion: 0.04%
Unlikely exclusions: yes
Verify zero third: yes
Delta friendly: yes



Amplitude: 0.634845 Power: 0.403028 Distortion: 0.031% Transitions: 22 Jitter: 39.3%
One Patterns (start-length): 4-0 13-1 20-1 31-1 41-4 55-4 73-10 97-10 115-9 132-10 148-12 169-18
%000000000000010000001000000000010000000011110000000001111000000000011110000000000001111111111000000000000
 011111111100000000111111111000000001111111110000001111111111000000011111111111111111111111111111100000
Hexadecimal: \$0004 0801 0078 01E0 007F E000 7FE0 1FF0 0FFC 0FFF 007F FFE0
H3 = -4.69443e-08 H5 = -5.82656e-05 H7 = 0.000193516 H9 = -3.91202e-09 H11 = 2.4345e-05
H13 = 6.62081e-05 H15 = 3.66752e-10 H17 = -0.000202683 H19 = -0.000102249

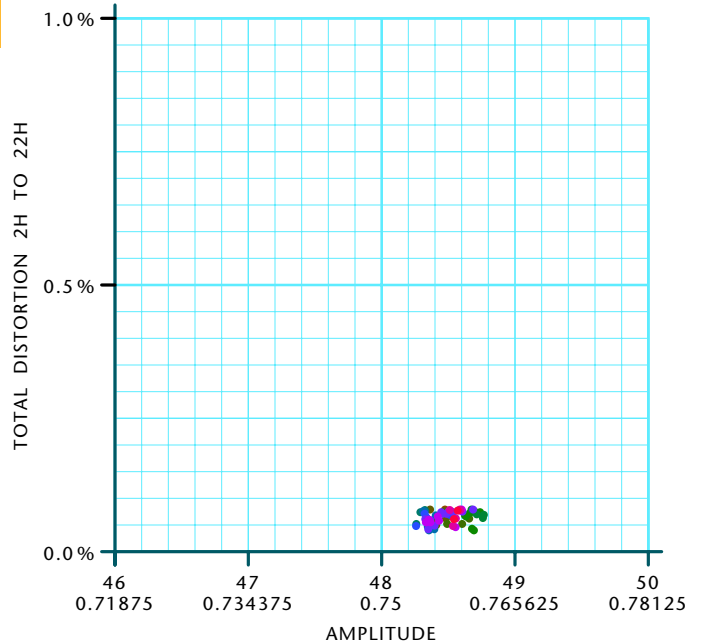
THREE PHASE MAGIC SINEWAVES

768D-24-22-2-48X

bits - trans - harms - filt - level

SUMMARY: This delta-friendly sequence combines low distortion with reasonable efficiency and has only a maximum of 24 transitions per quarter. Second order filtering is shown.

Level: 48 of 64
Bits in word: 768
Bits in quarter: 192
Controlled harmonics: 2 through 22nd
Filter: 2nd order Butterworth, F=2.0
Maximum transitions: 24
Graph max distortion: 0.08%
Report max distortion: 0.0455%
Unlikely exclusions: yes
Verify zero third: yes
Delta friendly: yes



Amplitude: 0.764117 Power: 0.583875 Distortion: 0.043% Transitions: 22 Jitter: 67.7%
One Patterns (start-length): 4-0 19-1 24-2 34-1 40-3 54-7 74-11 94-8 109-15 132-16 152-11 168-21
%000000000000000000010000110000000010000111000000000011111100000000000011111111100000000011
1111100000001111111111110000000111111111111000011111111100000111111111111111111111000
Hexadecimal: \$0000 10C0 20E0 03F8 003F F803 FC07 FFF0 OFFF F0FF E0FF FFF8
H3 = 3.90023e-08 H5 = 0.00018035 H7 = 9.33585e-05 H9 = -1.6251e-09 H11 = -3.84567e-05
H13 = 0.000196424 H15 = 1.21882e-09 H17 = -0.000224332 H19 = -0.000246772

Amplitude: 0.76441 Power: 0.584322 Distortion: 0.04% Transitions: 20 Jitter: 69.1%
One Patterns (start-length): 4-0 18-2 24-0 33-2 40-3 54-7 74-11 95-9 110-14 132-16 152-11 168-21
%000000000000000000011000000000000110000111000000000011111100000000000011111111100000000011
111111100000011111111111100000001111111111111000011111111100000111111111111111111111000
Hexadecimal: \$0000 3000 60E0 03F8 003F F801 FF03 FFF0 OFFF F0FF E0FF FFF8
H3 = 2.59916e-08 H5 = -0.000165121 H7 = -6.20078e-05 H9 = -3.24895e-09 H11 = -0.000264825
H13 = -0.000134982 H15 = 1.0153e-09 H17 = -7.23236e-06 H19 = -0.000208162

Amplitude: 0.758228 Power: 0.574909 Distortion: 0.042% Transitions: 22 Jitter: 39.4%
One Patterns (start-length): 3-1 16-0 20-2 32-2 40-2 53-8 75-11 96-10 112-12 131-13 148-14 168-21
%0001000000000000000110000000000110000001100000000001111111000000000000111111111000000000
111111110000001111111111100000011111111111000011111111111000000111111111111111111111000
Hexadecimal: \$1000 0C00 C0C0 07F8 001F FC00 FFC0 FFF0 1FFF OFFF C0FF FFF8
H3 = 0.0 H5 = -0.000266722 H7 = -3.517e-05 H9 = -1.63772e-09 H11 = -8.96794e-05
H13 = 1.80815e-05 H15 = 1.12593e-09 H17 = 0.00031712 H19 = 2.04269e-05

Amplitude: 0.757393 Power: 0.573644 Distortion: 0.04% Transitions: 22 Jitter: 35.4%
One Patterns (start-length): 3-1 15-1 20-0 30-4 40-1 53-8 75-12 98-10 113-11 131-13 148-14 168-21
%00010000000000010000000000001110000001000000000001111111000000000000111111111000000000
0011111111100000111111111100000011111111111000011111111111111111111111111111111111000
Hexadecimal: \$1001 0003 C080 07F8 001F FE00 3FF0 7FF0 1FFF OFFF C0FF FFF8
H3 = -3.93486e-08 H5 = 0.000134664 H7 = 3.9101e-05 H9 = -1.63952e-09 H11 = 4.21743e-05
H13 = 0.00020057 H15 = 9.22232e-10 H17 = 3.71162e-06 H19 = -0.000323134

Amplitude: 0.757283 Power: 0.573477 Distortion: 0.042% Transitions: 22 Jitter: 34.9%
One Patterns (start-length): 2-1 13-0 18-2 33-1 40-5 56-5 72-11 95-13 115-10 130-11 146-16 168-21
%001000000000000001100000000000010000001111100000000001111100000000001111111110000000000011
1111111111000000111111111000001111111111000001111111111111000000111111111111111111111000
Hexadecimal: \$2000 3000 40F8 00F8 00FF E001 FFF0 1FF8 3FF8 3FFF C0FF FFF8
H3 = 0.0 H5 = 0.00022043 H7 = -0.000236362 H9 = -1.63976e-09 H11 = -0.000129134
H13 = -9.78486e-05 H15 = 8.19881e-10 H17 = -4.48558e-05 H19 = -0.00021688

