

95-58-10 hard clip double peak ZERO 3h

Approximate Internal Sinewave:

```
[ -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -10 -10 -10 -10  
-10 -10 -10 -10 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1  
0 1 2 3 4 5 6 7 8 9 10 10 10 10  
10 10 10 10 10 10 9 8 7 6 5 4 3 2 1 ]
```

Approximate Cosine Wave Output:

```
[ 95 94 92 89 85 80 74 67 59 50 40 30 20 10  
0 -10 -20 -30 -40 -50 -59 -67 -74 -80 -85 -89 -92 -94  
-95 -95 -94 -92 -89 -85 -80 -74 -67 -59 -50 -40 -30 -20  
-10 0 10 20 30 40 50 59 67 74 80 85 89 92 94 95 ]
```

Cosine Amplitude "size" : 95

Cosine Time Period "speed" : 58

Clipped Sin Amplitude "sinclip" : 10

Cycles Displayed : 8

Soft Clip: false

Double Peak: true

Clipped: true

Unfiltered!

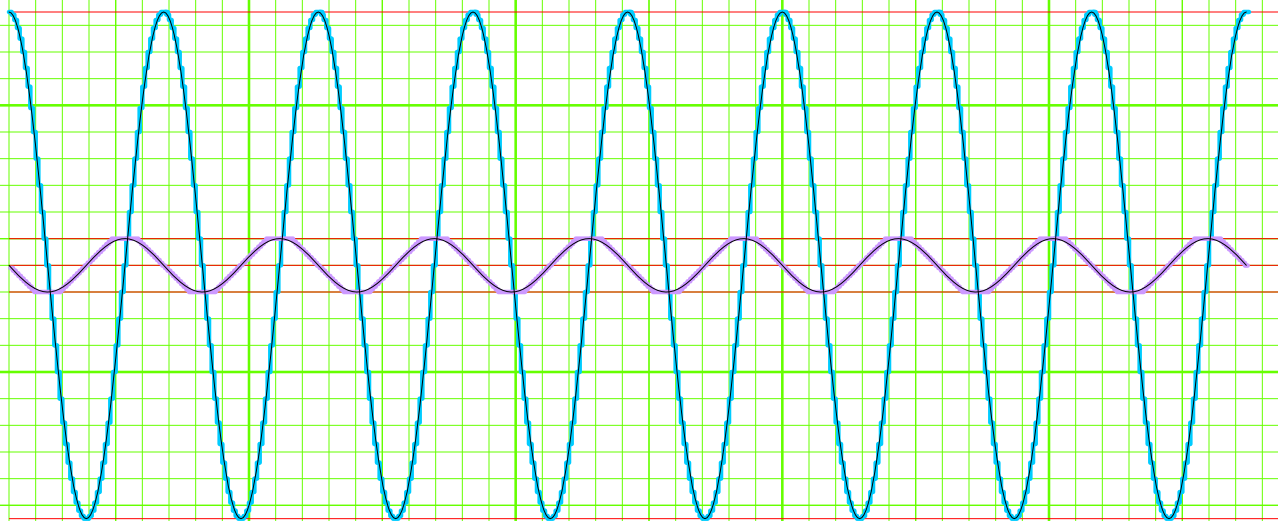
Third Harmonic: 5.63533e-07 percent.

Fifth Harmonic: -0.569413 percent.

Seventh Harmonic: 0.358443 percent.

Ninth Harmonic: 3.52208e-05 percent.

THD 3 - 9 : 0.672839 percent.



94-58-10 soft clip double peak low 3h & thd

Approximate Internal Sinewave:

```
[ -1 -2 -3 -4 -5 -6 -7 -8 -9 -9 -10 -10 -10 -10  
-10 -10 -10 -10 -9 -9 -8 -7 -6 -5 -4 -3 -2 -1  
0 1 2 3 4 5 6 7 8 9 9 10 10 10  
10 10 10 10 10 9 9 8 7 6 5 4 3 2 1 ]
```

Approximate Cosine Wave Output:

```
[ 94 93 91 88 84 79 73 66 58 49 40 30 20 10  
0 -10 -20 -30 -40 -49 -58 -66 -73 -79 -84 -88 -91 -93  
-94 -94 -93 -91 -88 -84 -79 -73 -66 -58 -49 -40 -30 -20  
-10 0 10 20 30 40 49 58 66 73 79 84 88 91 93 94 ]
```

Cosine Amplitude "size" : 94

Cosine Time Period "speed" : 58

Clipped Sin Amplitude "sinclip" : 10

Cycles Displayed : 8

Soft Clip: false

Double Peak: true

Clipped: true

Unfiltered!

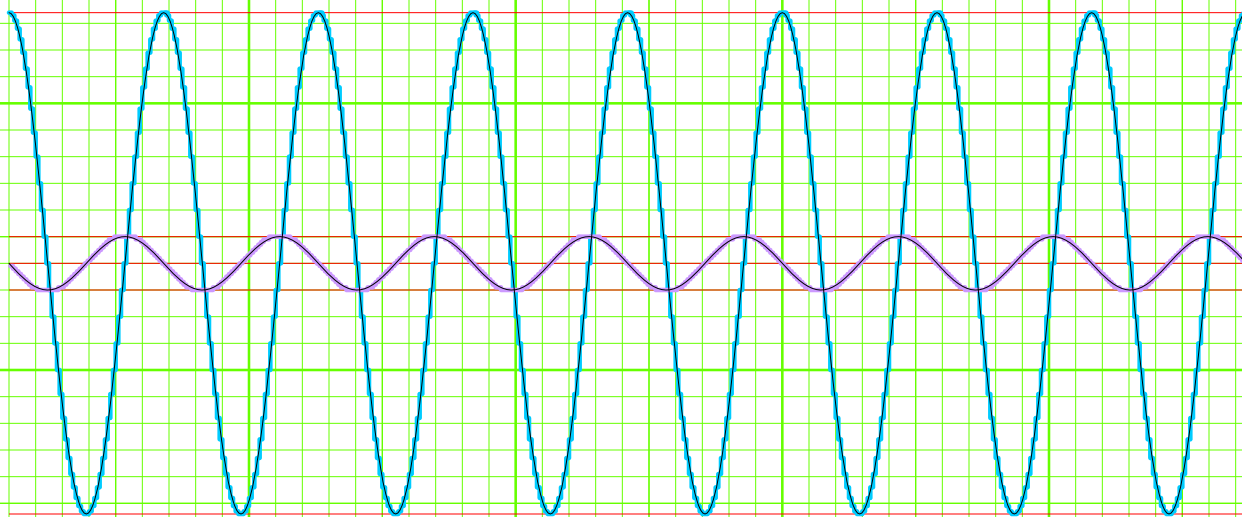
Third Harmonic: 0.0368638 percent.

Fifth Harmonic: -0.369583 percent.

Seventh Harmonic: 0.19189 percent.

Ninth Harmonic: 0.0329017 percent.

THD 3 - 9 : 0.419351 percent.



93-58-10 soft clip double peak (alternate)

Approximate Internal Sinewave:

```
[ -1 -2 -3 -4 -5 -6 -7 -8 -9 -9 -9 -10 -10 -10  
-10 -10 -10 -9 -9 -9 -8 -7 -6 -5 -4 -3 -2 -1  
0 1 2 3 4 5 6 7 8 9 9 9 10 10  
10 10 10 10 9 9 9 8 7 6 5 4 3 2 1 ]
```

Approximate Cosine Wave Output:

```
[ 93 92 90 87 83 78 72 65 57 48 39 30 20 10  
0 -10 -20 -30 -39 -48 -57 -65 -72 -78 -83 -87 -90 -92  
-93 -93 -92 -90 -87 -83 -78 -72 -65 -57 -48 -39 -30 -20  
-10 0 10 20 30 39 48 57 65 72 78 83 87 90 92 93 ]
```

Cosine Amplitude "size" : 93

Cosine Time Period "speed" : 58

Clipped Sin Amplitude "sinclip" : 10

Cycles Displayed : 8

Soft Clip: false

Double Peak: true

Clipped: true

Unfiltered!

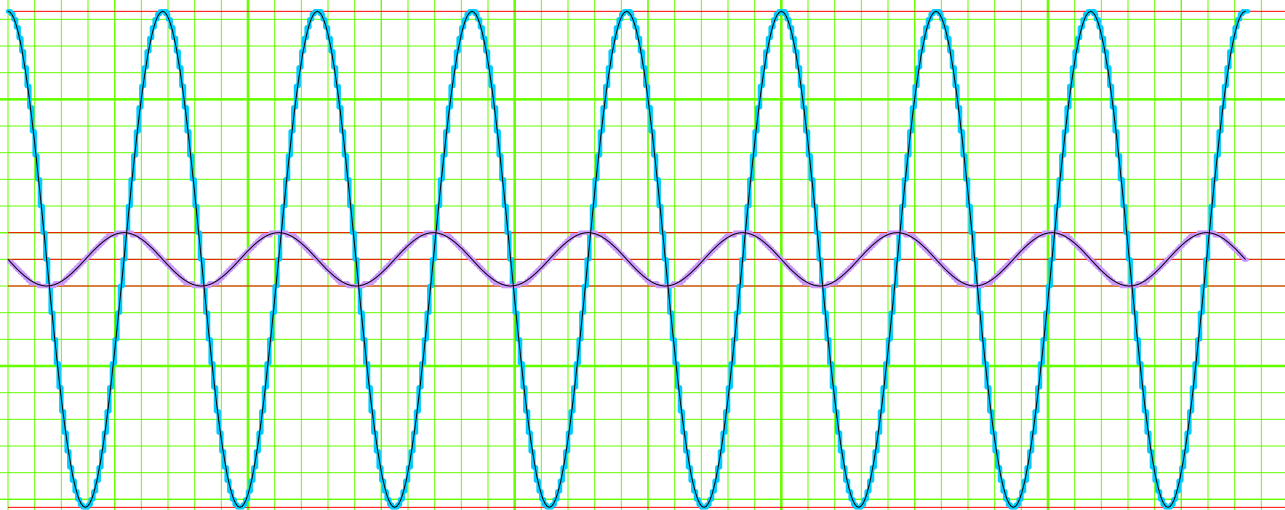
Third Harmonic: 0.218919 percent.

Fifth Harmonic: -0.281311 percent.

Seventh Harmonic: 0.0289176 percent.

Ninth Harmonic: 0.161563 percent.

THD 3 - 9 : 0.392429 percent.



92-58-10 soft 2x clip double peak (best so far!)

Approximate Internal Sinewave:

```
[ -1 -2 -3 -4 -5 -6 -7 -8 -8 -9 -9 -10 -10 -10  
-10 -10 -10 -9 -9 -8 -8 -7 -6 -5 -4 -3 -2 -1  
0 1 2 3 4 5 6 7 8 8 9 9 10 10  
10 10 10 10 9 9 8 8 7 6 5 4 3 2 1 ]
```

Approximate Cosine Wave Output:

```
[ 92 91 89 86 82 77 71 64 56 48 39 30 20 10  
0 -10 -20 -30 -39 -48 -56 -64 -71 -77 -82 -86 -89 -91  
-92 -92 -91 -89 -86 -82 -77 -71 -64 -56 -48 -39 -30 -20  
-10 0 10 20 30 39 48 56 64 71 77 82 86 89 91 92 ]
```

Cosine Amplitude "size" : 92

Cosine Time Period "speed" : 58

Clipped Sin Amplitude "sinclip" : 10

Cycles Displayed : 8

Soft Clip: false

Double Peak: true

Clipped: true

Unfiltered!

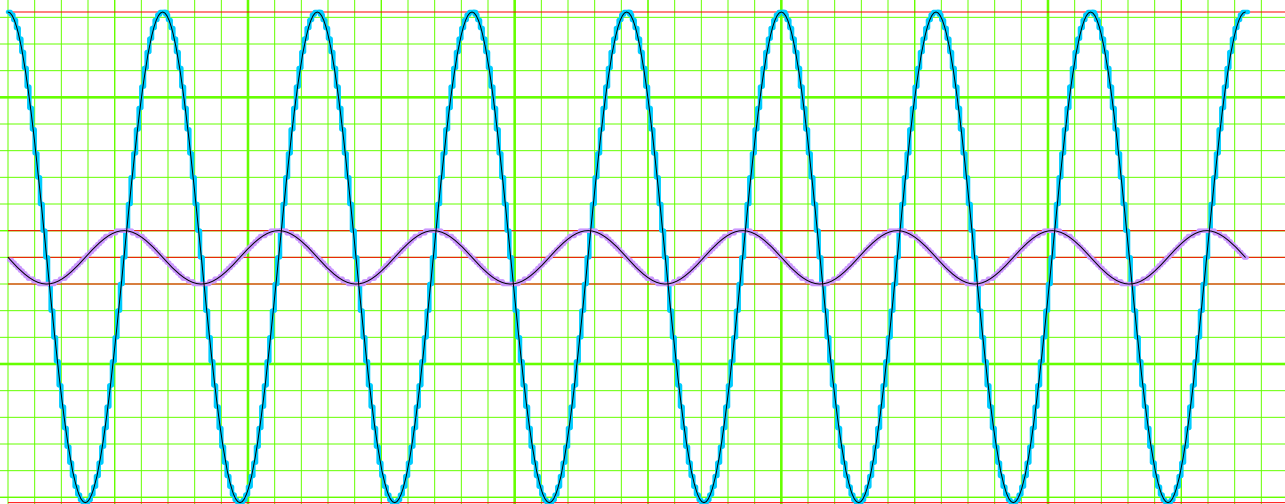
Third Harmonic: 0.109177 percent.

Fifth Harmonic: -0.0179804 percent.

Seventh Harmonic: -0.0542809 percent.

Ninth Harmonic: 0.0705242 percent.

THD 3 - 9 : 0.141996 percent.



95-58-10 hard clip double peak ZERO 3h

Approximate Internal Sinewave:

```
[ -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -10 -10 -10 -10  
-10 -10 -10 -10 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1  
0 1 2 3 4 5 6 7 8 9 10 10 10 10  
10 10 10 10 10 10 9 8 7 6 5 4 3 2 1 ]
```

Approximate Cosine Wave Output:

```
[ 95 94 92 89 85 80 74 67 59 50 40 30 20 10  
0 -10 -20 -30 -40 -50 -59 -67 -74 -80 -85 -89 -92 -94  
-95 -95 -94 -92 -89 -85 -80 -74 -67 -59 -50 -40 -30 -20  
-10 0 10 20 30 40 50 59 67 74 80 85 89 92 94 95 ]
```

Cosine Amplitude "size" : 95

Cosine Time Period "speed" : 58

Clipped Sin Amplitude "sinclip" : 10

Cycles Displayed : 8

Soft Clip: false

Double Peak: true

Clipped: true

Unfiltered!

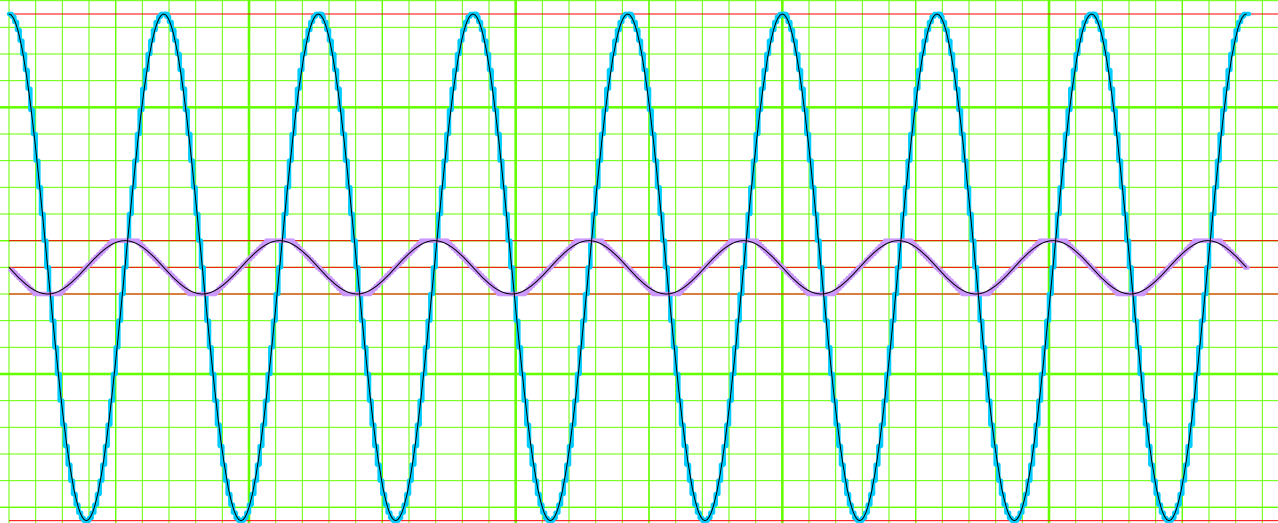
Third Harmonic: 5.63533e-07 percent.

Fifth Harmonic: -0.569413 percent.

Seventh Harmonic: 0.358443 percent.

Ninth Harmonic: 3.52208e-05 percent.

THD 3 - 9 : 0.672839 percent.



126-78-12 hard clip (high amplitude)

Approximate Internal Sinewave:

```
[ -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -12 -12 -12 -12  
-12 -12 -12 -12 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1  
0 1 2 3 4 5 6 7 8 9 10 11 12 12 12 12  
12 12 12 12 12 12 11 10 9 8 7 6 5 4 3 2 1 ]
```

Approximate Cosine Wave Output:

```
[ 126 125 123 120 116 111 105 98 90 81 71 60 48 36 24 12  
0 -12 -24 -36 -48 -60 -71 -81 -90 -98 -105 -111 -116 -120 -123 -125  
-126 -126 -125 -123 -120 -116 -111 -105 -98 -90 -81 -71 -60 -48 -36 -24  
-12 0 12 24 36 48 60 71 81 90 98 105 111 116 120 123 125 126 ]
```

Cosine Amplitude "size" : 126

Cosine Time Period "speed" : 66

Clipped Sin Amplitude "sinclip" : 12

Cycles Displayed : 7

Soft Clip: false

Double Peak: true

Clipped: true

Unfiltered!

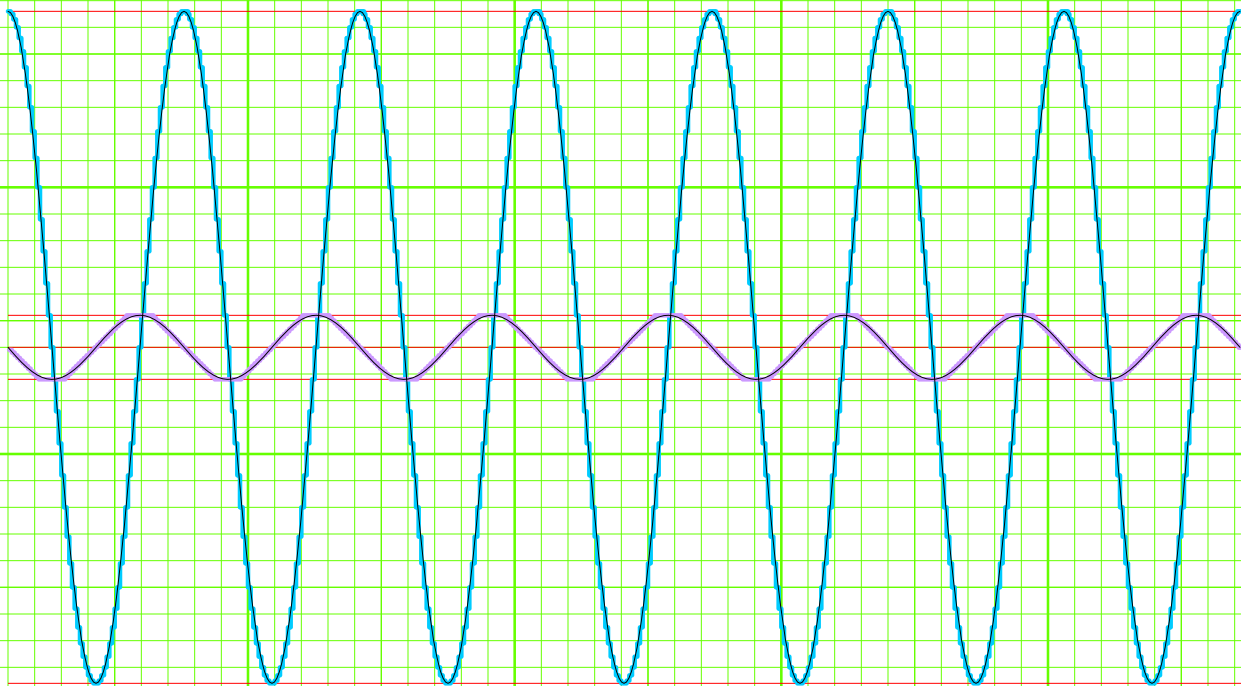
Third Harmonic: -0.755104 percent.

Fifth Harmonic: -0.381754 percent.

Seventh Harmonic: 0.358977 percent.

Ninth Harmonic: -0.071733 percent.

THD 3 - 9 : 0.921916 percent.



125-78-12 soft2 clip (high amplitude)

Approximate Internal Sinewave:

```
[ -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -11 -12 -12 -12 -12  
-12 -12 -12 -12 -11 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1  
0 1 2 3 4 5 6 7 8 9 10 11 11 12 12 12  
12 12 12 12 12 11 11 10 9 8 7 6 5 4 3 2 1 ]
```

Approximate Cosine Wave Output:

```
[ 125 124 122 119 115 110 104 97 89 80 70 59 48 36 24 12  
0 -12 -24 -36 -48 -59 -70 -80 -89 -97 -104 -110 -115 -119 -122 -124  
-125 -125 -124 -122 -119 -115 -110 -104 -97 -89 -80 -70 -59 -48 -36 -24  
-12 0 12 24 36 48 59 70 80 89 97 104 110 115 119 122 124 125 ]
```

Cosine Amplitude "size" : 125

Cosine Time Period "speed" : 66

Clipped Sin Amplitude "sinclip" : 12

Cycles Displayed : 7

Soft Clip: false

Double Peak: true

Clipped: true

Unfiltered!

Third Harmonic: -0.674171 percent.

Fifth Harmonic: -0.273225 percent.

Seventh Harmonic: 0.225733 percent.

Ninth Harmonic: 0.00124048 percent.

THD 3 - 9 : 0.761653 percent.

