

Circuit: \* C:\Users\Acer\SIM\last\srpp-6h30.asc  
 Direct Newton iteration for .op point succeeded.  
 .step res=16  
 N-Period=1  
 Fourier components of V(out1)  
 DC component:-0.0636423

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	2.767e+00	1.000e+00	179.91°
2	2.000e+03	6.322e-02	2.285e-02	90.13°
3	3.000e+03	1.688e-02	6.101e-03	179.95°
4	4.000e+03	2.713e-03	9.807e-04	-90.96°
5	5.000e+03	5.629e-04	2.035e-04	0.01°
6	6.000e+03	1.154e-04	4.171e-05	105.45°
7	7.000e+03	4.497e-05	1.625e-05	-179.97°
8	8.000e+03	2.324e-05	8.400e-06	-172.00°
9	9.000e+03	2.022e-05	7.308e-06	-179.99°

Total Harmonic Distortion: 2.367178%(2.367179%)

N-Period=1  
 Fourier components of V(out2)  
 DC component:-0.000477542

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	4.684e-01	1.000e+00	-179.99°
2	2.000e+03	8.961e-04	1.913e-03	89.63°
3	3.000e+03	4.684e-03	1.000e-02	-179.96°
4	4.000e+03	3.044e-04	6.499e-04	-90.02°
5	5.000e+03	1.287e-04	2.747e-04	0.05°
6	6.000e+03	2.135e-05	4.558e-05	90.14°
7	7.000e+03	2.717e-06	5.801e-06	-179.96°
8	8.000e+03	8.147e-07	1.740e-06	-91.77°
9	9.000e+03	2.082e-08	4.445e-08	-179.00°

Total Harmonic Distortion: 1.020756%(1.020756%)

.fourier quantity "V(out)" not present in data.

.step res=32  
 N-Period=1  
 Fourier components of V(out1)  
 DC component:-0.0634671

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	3.207e+00	1.000e+00	179.94°
2	2.000e+03	6.410e-02	1.999e-02	90.11°
3	3.000e+03	2.083e-02	6.494e-03	179.97°
4	4.000e+03	2.942e-03	9.172e-04	-90.82°
5	5.000e+03	6.597e-04	2.057e-04	0.02°
6	6.000e+03	1.289e-04	4.018e-05	102.85°
7	7.000e+03	4.489e-05	1.400e-05	-179.98°
8	8.000e+03	2.176e-05	6.786e-06	-170.07°
9	9.000e+03	1.881e-05	5.866e-06	-179.99°

Total Harmonic Distortion: 2.103651%(2.103652%)

N-Period=1  
 Fourier components of V(out2)  
 DC component:-0.00161138

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	9.242e-01	1.000e+00	-179.99°
2	2.000e+03	2.440e-03	2.640e-03	89.76°
3	3.000e+03	8.957e-03	9.692e-03	-179.97°
4	4.000e+03	6.026e-04	6.519e-04	-90.03°
5	5.000e+03	2.427e-04	2.626e-04	0.05°
6	6.000e+03	4.001e-05	4.329e-05	90.23°
7	7.000e+03	5.335e-06	5.772e-06	-179.95°
8	8.000e+03	1.474e-06	1.595e-06	-93.74°
9	9.000e+03	7.033e-08	7.610e-08	-179.12°

Total Harmonic Distortion: 1.006941%(1.006941%)

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.step res=64
N-Period=1
Fourier components of V(out1)
DC component:-0.0647796
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Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	4.054e+00	1.000e+00	179.97°
2	2.000e+03	6.751e-02	1.665e-02	90.09°
3	3.000e+03	2.771e-02	6.836e-03	180.00°
4	4.000e+03	3.386e-03	8.352e-04	-90.65°
5	5.000e+03	8.176e-04	2.017e-04	0.03°
6	6.000e+03	1.510e-04	3.726e-05	99.91°
7	7.000e+03	4.566e-05	1.126e-05	-179.97°
8	8.000e+03	1.993e-05	4.916e-06	-167.06°
9	9.000e+03	1.699e-05	4.191e-06	-179.98°

Total Harmonic Distortion: 1.802275%(1.802276%)

```
N-Period=1
Fourier components of V(out2)
DC component:-0.00553882
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Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	1.800e+00	1.000e+00	-179.99°
2	2.000e+03	7.158e-03	3.976e-03	89.87°
3	3.000e+03	1.643e-02	9.123e-03	-179.97°
4	4.000e+03	1.178e-03	6.543e-04	-90.04°
5	5.000e+03	4.327e-04	2.404e-04	0.05°
6	6.000e+03	7.079e-05	3.932e-05	90.42°
7	7.000e+03	1.017e-05	5.648e-06	-179.94°
8	8.000e+03	2.454e-06	1.363e-06	-98.13°
9	9.000e+03	2.442e-07	1.357e-07	-179.23°

Total Harmonic Distortion: 0.997649%(0.997649%)

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.step res=128
N-Period=1
Fourier components of V(out1)
DC component:-0.072383
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Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	5.621e+00	1.000e+00	-179.99°
2	2.000e+03	7.917e-02	1.409e-02	90.07°
3	3.000e+03	3.827e-02	6.808e-03	-179.98°
4	4.000e+03	4.206e-03	7.483e-04	-90.50°
5	5.000e+03	1.023e-03	1.820e-04	0.03°
6	6.000e+03	1.807e-04	3.215e-05	98.03°
7	7.000e+03	4.955e-05	8.816e-06	-179.96°
8	8.000e+03	1.954e-05	3.476e-06	-164.87°

9	9.000e+03	1.641e-05	2.919e-06	-179.97°
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Total Harmonic Distortion: 1.566400%(1.566400%)

N-Period=1  
Fourier components of V(out2)  
DC component:-0.0182912

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	3.422e+00	1.000e+00	-179.99°
2	2.000e+03	2.136e-02	6.241e-03	89.94°
3	3.000e+03	2.793e-02	8.164e-03	-179.97°
4	4.000e+03	2.232e-03	6.522e-04	-90.06°
5	5.000e+03	6.951e-04	2.031e-04	0.04°
6	6.000e+03	1.134e-04	3.314e-05	90.79°
7	7.000e+03	1.800e-05	5.259e-06	-179.93°
8	8.000e+03	3.632e-06	1.061e-06	-108.00°
9	9.000e+03	8.142e-07	2.380e-07	-179.39°

Total Harmonic Distortion: 1.029943%(1.029943%)

.step res=300  
N-Period=1  
Fourier components of V(out1)  
DC component:-0.108845

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	9.142e+00	1.000e+00	-179.95°
2	2.000e+03	1.252e-01	1.369e-02	90.07°
3	3.000e+03	5.399e-02	5.905e-03	-179.97°
4	4.000e+03	5.835e-03	6.382e-04	-90.56°
5	5.000e+03	1.188e-03	1.299e-04	0.03°
6	6.000e+03	2.095e-04	2.291e-05	100.84°
7	7.000e+03	6.573e-05	7.190e-06	-179.96°
8	8.000e+03	2.991e-05	3.272e-06	-170.32°
9	9.000e+03	2.573e-05	2.814e-06	-179.96°

Total Harmonic Distortion: 1.492316%(1.492316%)

N-Period=1  
Fourier components of V(out2)  
DC component:-0.0674727

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	7.066e+00	1.000e+00	-179.99°
2	2.000e+03	7.343e-02	1.039e-02	89.99°
3	3.000e+03	4.532e-02	6.414e-03	-179.99°
4	4.000e+03	4.343e-03	6.146e-04	-90.09°
5	5.000e+03	9.755e-04	1.381e-04	0.02°
6	6.000e+03	1.618e-04	2.290e-05	91.74°
7	7.000e+03	2.901e-05	4.105e-06	-179.92°
8	8.000e+03	5.413e-06	7.661e-07	-132.36°
9	9.000e+03	2.874e-06	4.067e-07	-179.63°

Total Harmonic Distortion: 1.222838%(1.222838%)

.step res=600  
N-Period=1  
Fourier components of V(out1)  
DC component:-0.178212

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	1.360e+01	1.000e+00	-179.93°

2	2.000e+03	2.062e-01	1.516e-02	90.09°
3	3.000e+03	6.432e-02	4.728e-03	-179.98°
4	4.000e+03	6.873e-03	5.052e-04	-90.94°
5	5.000e+03	1.111e-03	8.163e-05	0.01°
6	6.000e+03	2.045e-04	1.503e-05	112.05°
7	7.000e+03	9.444e-05	6.943e-06	-179.97°
8	8.000e+03	5.766e-05	4.239e-06	-176.04°
9	9.000e+03	5.070e-05	3.727e-06	-179.97°

Total Harmonic Distortion: 1.588478%(1.588479%)

N-Period=1

Fourier components of V(out2)

DC component:-0.154254

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]
1	1.000e+03	1.168e+01	1.000e+00	-180.00°
2	2.000e+03	1.625e-01	1.390e-02	90.00°
3	3.000e+03	5.710e-02	4.887e-03	-180.00°
4	4.000e+03	5.903e-03	5.052e-04	-90.13°
5	5.000e+03	1.025e-03	8.773e-05	0.00°
6	6.000e+03	1.640e-04	1.404e-05	93.13°
7	7.000e+03	3.236e-05	2.769e-06	-179.94°
8	8.000e+03	7.530e-06	6.444e-07	-152.90°
9	9.000e+03	5.591e-06	4.785e-07	-179.76°

Total Harmonic Distortion: 1.474591%(1.474591%)

Date: Wed May 11 13:42:56 2016

Total elapsed time: 2.509 seconds.

tnom = 27

temp = 27

method = Gear

totiter = 9916

traniter = 9910

tranpoints = 4952

accept = 4952

rejected = 0

matrix size = 30

fillins = 6

solver = Normal

Matrix Compiler1: 1.57 KB object code size 1.7/1.5/[1.2]

Matrix Compiler2: off [1.5]/1.8/1.9