

Circuit: * C:\Users\Acer\SIM\last\srpp-12au7-6dj8-2.asc

Direct Newton iteration for .op point succeeded.

.step m=1

N-Period=1

Fourier components of V(out1)

DC component:0.00172422

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 1.429e+00 | 1.000e+00 | -179.96° | 0.00° |
| 2 | 2.000e+03 | 1.700e-05 | 1.189e-05 | -81.18° | 98.79° |
| 3 | 3.000e+03 | 4.552e-07 | 3.185e-07 | -179.59° | 0.37° |
| 4 | 4.000e+03 | 1.048e-06 | 7.335e-07 | -0.01° | 179.96° |
| 5 | 5.000e+03 | 8.388e-07 | 5.868e-07 | 0.03° | 179.99° |
| 6 | 6.000e+03 | 6.989e-07 | 4.889e-07 | 0.03° | 179.99° |
| 7 | 7.000e+03 | 5.990e-07 | 4.190e-07 | 0.02° | 179.99° |
| 8 | 8.000e+03 | 5.241e-07 | 3.666e-07 | 0.02° | 179.98° |
| 9 | 9.000e+03 | 4.658e-07 | 3.259e-07 | 0.01° | 179.98° |

Total Harmonic Distortion: 0.001196%(0.001103%)

N-Period=1

Fourier components of V(out2)

DC component:0.00134127

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 1.432e+00 | 1.000e+00 | -179.98° | 0.00° |
| 2 | 2.000e+03 | 2.313e-05 | 1.616e-05 | -86.54° | 93.44° |
| 3 | 3.000e+03 | 8.045e-07 | 5.619e-07 | -179.91° | 0.07° |
| 4 | 4.000e+03 | 6.266e-07 | 4.377e-07 | 0.16° | 180.14° |
| 5 | 5.000e+03 | 5.015e-07 | 3.503e-07 | 0.01° | 179.99° |
| 6 | 6.000e+03 | 4.177e-07 | 2.917e-07 | 0.01° | 179.99° |
| 7 | 7.000e+03 | 3.579e-07 | 2.500e-07 | 0.00° | 179.98° |
| 8 | 8.000e+03 | 3.131e-07 | 2.187e-07 | 0.01° | 179.99° |
| 9 | 9.000e+03 | 2.783e-07 | 1.944e-07 | -0.00° | 179.98° |

Total Harmonic Distortion: 0.001618%(0.001549%)

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

.step m=2

N-Period=1

Fourier components of V(out1)

DC component:0.00347947

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 2.859e+00 | 1.000e+00 | -179.96° | 0.00° |
| 2 | 2.000e+03 | 6.739e-05 | 2.357e-05 | -84.66° | 95.30° |
| 3 | 3.000e+03 | 1.201e-05 | 4.201e-06 | -179.85° | 0.11° |
| 4 | 4.000e+03 | 2.116e-06 | 7.400e-07 | -0.27° | 179.70° |
| 5 | 5.000e+03 | 1.695e-06 | 5.927e-07 | 0.04° | 180.00° |
| 6 | 6.000e+03 | 1.410e-06 | 4.933e-07 | 0.03° | 180.00° |
| 7 | 7.000e+03 | 1.209e-06 | 4.228e-07 | 0.03° | 179.99° |
| 8 | 8.000e+03 | 1.058e-06 | 3.699e-07 | 0.03° | 179.99° |
| 9 | 9.000e+03 | 9.399e-07 | 3.288e-07 | 0.02° | 179.99° |

Total Harmonic Distortion: 0.002398%(0.002353%)

N-Period=1

Fourier components of V(out2)

DC component:0.00272803

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 2.863e+00 | 1.000e+00 | -179.98° | 0.00° |
| 2 | 2.000e+03 | 9.243e-05 | 3.228e-05 | -88.07° | 91.91° |
| 3 | 3.000e+03 | 1.143e-05 | 3.994e-06 | -179.93° | 0.05° |
| 4 | 4.000e+03 | 1.275e-06 | 4.452e-07 | 1.10° | 181.08° |
| 5 | 5.000e+03 | 1.023e-06 | 3.574e-07 | 0.03° | 180.01° |
| 6 | 6.000e+03 | 8.494e-07 | 2.967e-07 | 0.02° | 180.00° |
| 7 | 7.000e+03 | 7.280e-07 | 2.542e-07 | 0.01° | 180.00° |
| 8 | 8.000e+03 | 6.369e-07 | 2.224e-07 | 0.01° | 180.00° |
| 9 | 9.000e+03 | 5.660e-07 | 1.977e-07 | 0.01° | 179.99° |

Total Harmonic Distortion: 0.003254%(0.003220%)

.step m=5

N-Period=1

Fourier components of V(out1)

DC component:0.00894022

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 7.147e+00 | 1.000e+00 | -179.96° | 0.00° |
| 2 | 2.000e+03 | 4.176e-04 | 5.843e-05 | -86.76° | 93.21° |
| 3 | 3.000e+03 | 2.252e-04 | 3.152e-05 | -179.87° | 0.10° |
| 4 | 4.000e+03 | 5.445e-06 | 7.619e-07 | -4.77° | 175.19° |
| 5 | 5.000e+03 | 4.529e-06 | 6.337e-07 | 0.08° | 180.05° |
| 6 | 6.000e+03 | 3.624e-06 | 5.071e-07 | 0.08° | 180.04° |
| 7 | 7.000e+03 | 3.106e-06 | 4.346e-07 | 0.05° | 180.02° |
| 8 | 8.000e+03 | 2.717e-06 | 3.802e-07 | 0.05° | 180.01° |
| 9 | 9.000e+03 | 2.415e-06 | 3.380e-07 | 0.04° | 180.01° |

Total Harmonic Distortion: 0.006640%(0.006624%)

N-Period=1

Fourier components of V(out2)

DC component:0.00716257

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 7.158e+00 | 1.000e+00 | -179.98° | 0.00° |
| 2 | 2.000e+03 | 5.799e-04 | 8.102e-05 | -88.99° | 90.99° |
| 3 | 3.000e+03 | 2.023e-04 | 2.827e-05 | -179.94° | 0.04° |
| 4 | 4.000e+03 | 3.469e-06 | 4.846e-07 | 15.77° | 195.75° |
| 5 | 5.000e+03 | 3.055e-06 | 4.269e-07 | 0.05° | 180.03° |
| 6 | 6.000e+03 | 2.231e-06 | 3.116e-07 | -0.04° | 179.95° |
| 7 | 7.000e+03 | 1.911e-06 | 2.669e-07 | 0.03° | 180.01° |
| 8 | 8.000e+03 | 1.672e-06 | 2.336e-07 | 0.03° | 180.01° |
| 9 | 9.000e+03 | 1.486e-06 | 2.076e-07 | 0.02° | 180.00° |

Total Harmonic Distortion: 0.008581%(0.008569%)

.step m=10

N-Period=1

Fourier components of V(out1)

DC component:0.0186702

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 1.429e+01 | 1.000e+00 | -179.96° | 0.00° |
| 2 | 2.000e+03 | 1.640e-03 | 1.148e-04 | -87.42° | 92.55° |
| 3 | 3.000e+03 | 1.866e-03 | 1.306e-04 | -179.87° | 0.10° |
| 4 | 4.000e+03 | 1.357e-05 | 9.494e-07 | -34.54° | 145.43° |
| 5 | 5.000e+03 | 1.497e-05 | 1.048e-06 | 0.16° | 180.12° |
| 6 | 6.000e+03 | 7.570e-06 | 5.298e-07 | 0.62° | 180.59° |
| 7 | 7.000e+03 | 6.460e-06 | 4.521e-07 | 0.10° | 180.06° |
| 8 | 8.000e+03 | 5.675e-06 | 3.972e-07 | 0.08° | 180.05° |
| 9 | 9.000e+03 | 5.044e-06 | 3.530e-07 | 0.08° | 180.04° |

Total Harmonic Distortion: 0.017388%(0.017382%)

N-Period=1

Fourier components of V(out2)

DC component:0.0154926

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 1.431e+01 | 1.000e+00 | -179.98° | 0.00° |
| 2 | 2.000e+03 | 2.361e-03 | 1.650e-04 | -89.30° | 90.68° |
| 3 | 3.000e+03 | 1.691e-03 | 1.182e-04 | -179.94° | 0.04° |
| 4 | 4.000e+03 | 1.734e-05 | 1.212e-06 | 65.84° | 245.83° |
| 5 | 5.000e+03 | 1.859e-05 | 1.299e-06 | 0.08° | 180.07° |
| 6 | 6.000e+03 | 4.831e-06 | 3.375e-07 | -2.21° | 177.77° |
| 7 | 7.000e+03 | 3.997e-06 | 2.793e-07 | 0.05° | 180.03° |
| 8 | 8.000e+03 | 3.617e-06 | 2.528e-07 | 0.09° | 180.07° |
| 9 | 9.000e+03 | 3.217e-06 | 2.248e-07 | 0.04° | 180.02° |

Total Harmonic Distortion: 0.020296%(0.020291%)

.step m=20

N-Period=1

Fourier components of V(out1)

DC component:0.0401786

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 2.854e+01 | 1.000e+00 | -179.96° | 0.00° |
| 2 | 2.000e+03 | 6.088e-03 | 2.133e-04 | -87.58° | 92.39° |
| 3 | 3.000e+03 | 1.577e-02 | 5.524e-04 | -179.87° | 0.10° |
| 4 | 4.000e+03 | 1.479e-04 | 5.180e-06 | -81.70° | 98.27° |
| 5 | 5.000e+03 | 2.276e-04 | 7.975e-06 | 0.18° | 180.15° |
| 6 | 6.000e+03 | 1.719e-05 | 6.022e-07 | 17.81° | 197.77° |
| 7 | 7.000e+03 | 9.951e-06 | 3.486e-07 | 0.18° | 180.14° |
| 8 | 8.000e+03 | 1.221e-05 | 4.279e-07 | -0.60° | 179.36° |
| 9 | 9.000e+03 | 1.095e-05 | 3.836e-07 | 0.15° | 180.11° |

Total Harmonic Distortion: 0.059227%(0.059225%)

N-Period=1

Fourier components of V(out2)

DC component:0.0361871

| Harmonic Number | Frequency [Hz] | Fourier Component | Normalized Component | Phase [degree] | Normalized Phase [deg] |
|-----------------|----------------|-------------------|----------------------|----------------|------------------------|
| 1 | 1.000e+03 | 2.859e+01 | 1.000e+00 | -179.98° | 0.00° |
| 2 | 2.000e+03 | 1.030e-02 | 3.604e-04 | -89.47° | 90.51° |
| 3 | 3.000e+03 | 1.539e-02 | 5.384e-04 | -179.94° | 0.04° |

| | | | | | |
|---|-----------|-----------|-----------|----------|---------|
| 4 | 4.000e+03 | 3.220e-04 | 1.126e-05 | 87.49° | 267.47° |
| 5 | 5.000e+03 | 5.400e-04 | 1.889e-05 | 0.09° | 180.07° |
| 6 | 6.000e+03 | 2.143e-05 | 7.497e-07 | -57.67° | 122.32° |
| 7 | 7.000e+03 | 1.615e-05 | 5.649e-07 | -179.87° | 0.11° |
| 8 | 8.000e+03 | 8.528e-06 | 2.983e-07 | 8.36° | 188.34° |
| 9 | 9.000e+03 | 9.006e-06 | 3.150e-07 | 0.09° | 180.07° |

Total Harmonic Distortion: 0.064827%(0.064826%)

Date: Thu May 19 19:56:25 2016
Total elapsed time: 2.563 seconds.

tnom = 27
temp = 27
method = Gear
totiter = 9881
traniter = 9872
tranpoints = 4937
accept = 4937
rejected = 0
matrix size = 26
fillins = 0
solver = Normal
Matrix Compiler1: 1.41 KB object code size 1.7/1.5/[1.2]
Matrix Compiler2: off [1.4]/1.7/2.0