

Circuit: * C:\LTC\LTspiceIV\CX301A LW.asc

WARNING: Less than two connections to node N003. This node is used by V4.
Direct Newton iteration for .op point succeeded.

.step level=0.1

N-Period=1

Fourier components of V(out)

DC component:-0.00146307

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	1.930e-01	1.000e+00	-0.02°	0.00°
2	2.000e+03	1.978e-04	1.025e-03	-78.12°	-78.11°
3	3.000e+03	4.214e-05	2.183e-04	10.78°	10.80°
4	4.000e+03	2.251e-05	1.166e-04	31.69°	31.71°
5	5.000e+03	6.842e-06	3.544e-05	164.54°	164.56°
6	6.000e+03	1.438e-05	7.447e-05	-152.06°	-152.05°
7	7.000e+03	1.226e-05	6.349e-05	-160.02°	-160.01°
8	8.000e+03	7.361e-06	3.814e-05	-146.33°	-146.31°
9	9.000e+03	4.272e-06	2.213e-05	15.36°	15.38°

Total Harmonic Distortion: 0.106005%(0.120338%)

N-Period=1

Fourier components of V(2)

DC component:-264.031

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	7.884e-01	1.000e+00	179.78°	0.00°
2	2.000e+03	2.140e-04	2.715e-04	-176.46°	-356.23°
3	3.000e+03	1.907e-04	2.419e-04	-169.35°	-349.13°
4	4.000e+03	1.040e-04	1.319e-04	-152.20°	-331.97°
5	5.000e+03	1.388e-05	1.761e-05	-24.18°	-203.95°
6	6.000e+03	4.873e-05	6.180e-05	32.64°	-147.13°
7	7.000e+03	4.245e-05	5.384e-05	20.22°	-159.56°
8	8.000e+03	2.328e-05	2.953e-05	47.29°	-132.48°
9	9.000e+03	2.422e-05	3.072e-05	-166.42°	-346.19°

Total Harmonic Distortion: 0.039807%(0.069420%)

N-Period=1

Fourier components of V(3)

DC component:-46.0155

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	2.343e+00	1.000e+00	0.06°	0.00°
2	2.000e+03	6.349e-04	2.710e-04	24.56°	24.50°
3	3.000e+03	5.345e-04	2.282e-04	10.69°	10.63°
4	4.000e+03	2.912e-04	1.243e-04	30.08°	30.02°
5	5.000e+03	6.752e-05	2.882e-05	161.03°	160.97°
6	6.000e+03	1.626e-04	6.942e-05	-149.81°	-149.86°
7	7.000e+03	1.381e-04	5.897e-05	-158.00°	-158.06°
8	8.000e+03	8.134e-05	3.472e-05	-141.97°	-142.03°
9	9.000e+03	6.060e-05	2.587e-05	12.92°	12.86°

Total Harmonic Distortion: 0.038985%(0.068986%)

N-Period=1
Fourier components of V(5)
DC component:241.217

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	8.795e+00	1.000e+00	-179.82°	0.00°
2	2.000e+03	9.021e-03	1.026e-03	102.49°	282.31°
3	3.000e+03	1.942e-03	2.208e-04	-169.13°	10.69°
4	4.000e+03	1.038e-03	1.181e-04	-148.92°	30.90°
5	5.000e+03	2.992e-04	3.401e-05	-15.47°	164.35°
6	6.000e+03	6.456e-04	7.341e-05	28.64°	208.46°
7	7.000e+03	5.486e-04	6.238e-05	20.23°	200.05°
8	8.000e+03	3.284e-04	3.734e-05	34.31°	214.13°
9	9.000e+03	2.024e-04	2.301e-05	-165.07°	14.75°
Total Harmonic Distortion: 0.106165%(0.120478%)					

.step level=0.5
N-Period=1
Fourier components of V(out)
DC component:-0.00348386

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	9.650e-01	1.000e+00	-0.02°	0.00°
2	2.000e+03	4.887e-03	5.065e-03	-87.69°	-87.68°
3	3.000e+03	2.815e-04	2.917e-04	7.10°	7.11°
4	4.000e+03	1.149e-04	1.191e-04	30.62°	30.64°
5	5.000e+03	4.593e-05	4.760e-05	172.99°	173.01°
6	6.000e+03	7.746e-05	8.026e-05	-147.69°	-147.67°
7	7.000e+03	6.046e-05	6.265e-05	-162.33°	-162.31°
8	8.000e+03	3.713e-05	3.848e-05	-133.07°	-133.06°
9	9.000e+03	3.583e-05	3.713e-05	17.66°	17.68°
Total Harmonic Distortion: 0.507588%(0.510456%)					

N-Period=1
Fourier components of V(2)
DC component:-264.026

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	3.942e+00	1.000e+00	179.78°	0.00°
2	2.000e+03	1.251e-03	3.173e-04	-177.59°	-357.37°
3	3.000e+03	1.034e-03	2.623e-04	-169.96°	-349.73°
4	4.000e+03	5.451e-04	1.383e-04	-148.64°	-328.41°
5	5.000e+03	1.396e-04	3.541e-05	-9.31°	-189.09°
6	6.000e+03	2.805e-04	7.116e-05	36.15°	-143.63°
7	7.000e+03	2.144e-04	5.438e-05	23.59°	-156.19°
8	8.000e+03	1.319e-04	3.347e-05	56.47°	-123.31°
9	9.000e+03	1.708e-04	4.334e-05	-166.60°	-346.38°
Total Harmonic Distortion: 0.044816%(0.070135%)					

N-Period=1
Fourier components of V(3)
DC component:-46.0819

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	1.171e+01	1.000e+00	0.06°	0.00°
2	2.000e+03	6.713e-03	5.731e-04	58.14°	58.08°
3	3.000e+03	2.948e-03	2.517e-04	10.78°	10.72°
4	4.000e+03	1.504e-03	1.284e-04	34.06°	34.00°
5	5.000e+03	5.137e-04	4.386e-05	172.48°	172.42°
6	6.000e+03	9.074e-04	7.747e-05	-146.67°	-146.73°
7	7.000e+03	7.100e-04	6.061e-05	-159.45°	-159.51°
8	8.000e+03	4.268e-04	3.644e-05	-130.20°	-130.26°
9	9.000e+03	4.574e-04	3.905e-05	15.13°	15.07°

Total Harmonic Distortion: 0.065021%(0.084507%)

N-Period=1
Fourier components of V(5)
DC component:241.293

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	4.397e+01	1.000e+00	-179.82°	0.00°
2	2.000e+03	2.227e-01	5.065e-03	92.75°	272.57°
3	3.000e+03	1.289e-02	2.931e-04	-172.68°	7.14°
4	4.000e+03	5.270e-03	1.199e-04	-149.69°	30.13°
5	5.000e+03	2.059e-03	4.682e-05	-7.02°	172.80°
6	6.000e+03	3.514e-03	7.991e-05	32.85°	212.67°
7	7.000e+03	2.726e-03	6.200e-05	17.69°	197.51°
8	8.000e+03	1.683e-03	3.828e-05	47.48°	227.30°
9	9.000e+03	1.651e-03	3.755e-05	-162.21°	17.61°

Total Harmonic Distortion: 0.507678%(0.510544%)

.step level=1
N-Period=1
Fourier components of V(out)
DC component:0.00245192

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	1.929e+00	1.000e+00	-0.02°	0.00°
2	2.000e+03	1.922e-02	9.962e-03	-88.90°	-88.89°
3	3.000e+03	9.893e-04	5.129e-04	3.87°	3.89°
4	4.000e+03	1.992e-04	1.033e-04	-10.90°	-10.88°
5	5.000e+03	7.927e-05	4.110e-05	170.06°	170.08°
6	6.000e+03	1.766e-04	9.158e-05	-158.26°	-158.24°
7	7.000e+03	1.336e-04	6.924e-05	-149.35°	-149.34°
8	8.000e+03	4.077e-05	2.114e-05	-145.28°	-145.26°
9	9.000e+03	5.598e-05	2.902e-05	44.38°	44.40°

Total Harmonic Distortion: 0.997666%(0.998989%)

N-Period=1
Fourier components of V(2)
DC component:-264.019

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	7.884e+00	1.000e+00	179.77°	0.00°
2	2.000e+03	2.962e-03	3.757e-04	-179.51°	-359.28°
3	3.000e+03	2.076e-03	2.633e-04	-165.24°	-345.02°
4	4.000e+03	9.732e-04	1.234e-04	-155.68°	-335.45°

5	5.000e+03	1.368e-04	1.735e-05	-25.64°	-205.41°
6	6.000e+03	6.715e-04	8.517e-05	25.01°	-154.76°
7	7.000e+03	5.220e-04	6.621e-05	36.88°	-142.89°
8	8.000e+03	1.182e-04	1.499e-05	51.31°	-128.47°
9	9.000e+03	2.541e-04	3.223e-05	-145.52°	-325.29°

Total Harmonic Distortion: 0.048881%(0.070894%)

N-Period=1
Fourier components of V(3)
DC component:-46.1739

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	2.342e+01	1.000e+00	0.06°	0.00°
2	2.000e+03	2.377e-02	1.015e-03	68.73°	68.67°
3	3.000e+03	6.231e-03	2.660e-04	14.90°	14.84°
4	4.000e+03	2.647e-03	1.130e-04	28.01°	27.95°
5	5.000e+03	6.138e-04	2.621e-05	164.31°	164.25°
6	6.000e+03	2.170e-03	9.266e-05	-156.93°	-156.98°
7	7.000e+03	1.684e-03	7.191e-05	-146.48°	-146.53°
8	8.000e+03	4.636e-04	1.979e-05	-144.03°	-144.09°
9	9.000e+03	6.474e-04	2.764e-05	41.72°	41.66°

Total Harmonic Distortion: 0.106254%(0.118017%)

N-Period=1
Fourier components of V(5)
DC component:241.001

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	8.788e+01	1.000e+00	-179.82°	0.00°
2	2.000e+03	8.756e-01	9.963e-03	91.52°	271.34°
3	3.000e+03	4.509e-02	5.131e-04	-175.70°	4.13°
4	4.000e+03	9.148e-03	1.041e-04	169.07°	348.89°
5	5.000e+03	3.612e-03	4.109e-05	-9.35°	170.47°
6	6.000e+03	8.074e-03	9.187e-05	21.91°	201.73°
7	7.000e+03	6.090e-03	6.929e-05	30.50°	210.32°
8	8.000e+03	1.875e-03	2.133e-05	34.63°	214.45°
9	9.000e+03	2.557e-03	2.910e-05	-135.10°	44.72°

Total Harmonic Distortion: 0.997774%(0.999097%)

.step level=1.5
N-Period=1
Fourier components of V(out)
DC component:0.0170597

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	2.890e+00	1.000e+00	-0.02°	0.00°
2	2.000e+03	4.203e-02	1.454e-02	-89.45°	-89.44°
3	3.000e+03	2.906e-03	1.006e-03	0.94°	0.95°
4	4.000e+03	5.308e-04	1.837e-04	-58.58°	-58.56°
5	5.000e+03	3.945e-04	1.365e-04	179.41°	179.42°
6	6.000e+03	1.646e-04	5.697e-05	177.14°	177.16°
7	7.000e+03	1.112e-04	3.846e-05	-99.56°	-99.55°
8	8.000e+03	1.874e-04	6.484e-05	-117.25°	-117.23°
9	9.000e+03	1.090e-04	3.770e-05	50.30°	50.32°

Total Harmonic Distortion: 1.458152%(1.458664%)

N-Period=1

Fourier components of V(2)

DC component:-264.015

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	1.183e+01	1.000e+00	179.77°	0.00°
2	2.000e+03	5.701e-03	4.819e-04	144.74°	-35.03°
3	3.000e+03	1.337e-03	1.130e-04	-131.58°	-311.35°
4	4.000e+03	2.489e-03	2.104e-04	-119.27°	-299.04°
5	5.000e+03	3.761e-05	3.179e-06	21.97°	-157.80°
6	6.000e+03	7.369e-04	6.229e-05	35.51°	-144.26°
7	7.000e+03	5.587e-04	4.723e-05	71.71°	-108.06°
8	8.000e+03	6.525e-04	5.516e-05	66.35°	-113.43°
9	9.000e+03	4.720e-04	3.990e-05	-139.76°	-319.53°

Total Harmonic Distortion: 0.054773%(0.067731%)

N-Period=1

Fourier components of V(3)

DC component:-46.2707

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	3.515e+01	1.000e+00	0.06°	0.00°
2	2.000e+03	4.198e-02	1.194e-03	70.79°	70.73°
3	3.000e+03	4.652e-03	1.324e-04	39.94°	39.88°
4	4.000e+03	7.320e-03	2.083e-04	64.61°	64.55°
5	5.000e+03	5.052e-04	1.438e-05	-176.04°	-176.10°
6	6.000e+03	2.457e-03	6.991e-05	-148.54°	-148.60°
7	7.000e+03	1.761e-03	5.011e-05	-116.78°	-116.84°
8	8.000e+03	2.047e-03	5.826e-05	-119.80°	-119.85°
9	9.000e+03	1.255e-03	3.570e-05	46.19°	46.13°

Total Harmonic Distortion: 0.122472%(0.128848%)

N-Period=1

Fourier components of V(5)

DC component:240.312

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	1.317e+02	1.000e+00	-179.82°	0.00°
2	2.000e+03	1.915e+00	1.455e-02	90.96°	270.78°
3	3.000e+03	1.323e-01	1.005e-03	-178.42°	1.40°
4	4.000e+03	2.445e-02	1.857e-04	122.31°	302.14°
5	5.000e+03	1.809e-02	1.374e-04	0.39°	180.21°
6	6.000e+03	7.714e-03	5.858e-05	-2.35°	177.47°
7	7.000e+03	5.010e-03	3.805e-05	79.20°	259.02°
8	8.000e+03	8.591e-03	6.524e-05	62.41°	242.23°
9	9.000e+03	4.923e-03	3.739e-05	-128.86°	50.96°

Total Harmonic Distortion: 1.458271%(1.458783%)

.step level=2

N-Period=1

Fourier components of V(out)

DC component:0.0346469

Harmonic	Frequency	Fourier	Normalized	Phase	Normalized
----------	-----------	---------	------------	-------	------------

Number	[Hz]	Component	Component	[degree]	Phase [deg]
1	1.000e+03	3.836e+00	1.000e+00	-0.02°	0.00°
2	2.000e+03	6.393e-02	1.666e-02	-89.72°	-89.71°
3	3.000e+03	1.333e-02	3.475e-03	0.14°	0.16°
4	4.000e+03	6.181e-03	1.611e-03	-86.82°	-86.80°
5	5.000e+03	3.689e-03	9.615e-04	177.70°	177.72°
6	6.000e+03	1.745e-03	4.550e-04	95.27°	95.28°
7	7.000e+03	8.630e-04	2.250e-04	-17.61°	-17.59°
8	8.000e+03	5.087e-04	1.326e-04	-100.09°	-100.07°
9	9.000e+03	6.216e-05	1.620e-05	-162.09°	-162.07°

Total Harmonic Distortion: 1.713383%(1.714377%)

N-Period=1
Fourier components of V(2)
DC component:-264.012

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	1.578e+01	1.000e+00	179.77°	0.00°
2	2.000e+03	9.426e-03	5.975e-04	132.84°	-46.94°
3	3.000e+03	2.058e-03	1.305e-04	-99.66°	-279.43°
4	4.000e+03	2.708e-03	1.717e-04	-124.11°	-303.88°
5	5.000e+03	8.311e-04	5.268e-05	-38.19°	-217.96°
6	6.000e+03	6.576e-04	4.168e-05	-28.82°	-208.60°
7	7.000e+03	1.195e-03	7.576e-05	98.54°	-81.24°
8	8.000e+03	5.547e-04	3.516e-05	66.63°	-113.14°
9	9.000e+03	4.956e-04	3.141e-05	163.65°	-16.12°

Total Harmonic Distortion: 0.064491%(0.087930%)

N-Period=1
Fourier components of V(3)
DC component:-46.375

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	4.686e+01	1.000e+00	0.06°	0.00°
2	2.000e+03	6.938e-02	1.480e-03	73.92°	73.86°
3	3.000e+03	7.242e-03	1.545e-04	57.55°	57.49°
4	4.000e+03	8.146e-03	1.738e-04	60.94°	60.88°
5	5.000e+03	2.910e-03	6.209e-05	150.41°	150.35°
6	6.000e+03	2.429e-03	5.184e-05	157.21°	157.15°
7	7.000e+03	3.475e-03	7.415e-05	-87.78°	-87.83°
8	8.000e+03	1.774e-03	3.785e-05	-122.18°	-122.24°
9	9.000e+03	1.196e-03	2.552e-05	-22.12°	-22.17°

Total Harmonic Distortion: 0.150334%(0.161791%)

N-Period=1
Fourier components of V(5)
DC component:239.487

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	1.748e+02	1.000e+00	-179.82°	0.00°
2	2.000e+03	2.913e+00	1.667e-02	90.68°	270.50°
3	3.000e+03	6.071e-01	3.474e-03	-179.20°	0.62°
4	4.000e+03	2.819e-01	1.613e-03	94.04°	273.86°
5	5.000e+03	1.682e-01	9.623e-04	-1.26°	178.56°
6	6.000e+03	7.966e-02	4.557e-04	-83.31°	96.51°

7	7.000e+03	3.886e-02	2.223e-04	163.74°	343.56°
8	8.000e+03	2.317e-02	1.326e-04	80.74°	260.56°
9	9.000e+03	3.068e-03	1.755e-05	20.81°	200.63°

Total Harmonic Distortion: 1.713486%(1.714480%)

.step level=3
N-Period=1
Fourier components of V(out)
DC component:-0.116617

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	5.316e+00	1.000e+00	-0.00°	0.00°
2	2.000e+03	1.834e-01	3.450e-02	89.57°	89.58°
3	3.000e+03	2.524e-01	4.747e-02	-0.31°	-0.31°
4	4.000e+03	1.274e-01	2.396e-02	-90.47°	-90.46°
5	5.000e+03	4.057e-02	7.632e-03	179.98°	179.98°
6	6.000e+03	1.113e-02	2.094e-03	-90.78°	-90.78°
7	7.000e+03	2.660e-02	5.004e-03	179.53°	179.54°
8	8.000e+03	2.135e-02	4.016e-03	88.05°	88.06°
9	9.000e+03	6.600e-03	1.241e-03	0.31°	0.31°

Total Harmonic Distortion: 6.420704%(6.428889%)

N-Period=1
Fourier components of V(2)
DC component:-264.001

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	2.367e+01	1.000e+00	179.77°	0.00°
2	2.000e+03	1.590e-02	6.719e-04	155.63°	-24.14°
3	3.000e+03	4.208e-03	1.778e-04	-141.78°	-321.55°
4	4.000e+03	3.928e-03	1.660e-04	4.71°	-175.07°
5	5.000e+03	3.202e-03	1.353e-04	3.57°	-176.20°
6	6.000e+03	1.560e-03	6.590e-05	99.71°	-80.06°
7	7.000e+03	9.264e-04	3.914e-05	172.51°	-7.26°
8	8.000e+03	3.084e-03	1.303e-04	-139.41°	-319.18°
9	9.000e+03	7.662e-04	3.238e-05	-28.93°	-208.71°

Total Harmonic Distortion: 0.074347%(0.082816%)

N-Period=1
Fourier components of V(3)
DC component:-48.4284

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	6.704e+01	1.000e+00	0.06°	0.00°
2	2.000e+03	2.819e+00	4.204e-02	89.12°	89.06°
3	3.000e+03	1.852e+00	2.763e-02	0.55°	0.49°
4	4.000e+03	9.843e-01	1.468e-02	-90.11°	-90.18°
5	5.000e+03	3.105e-01	4.632e-03	-179.46°	-179.52°
6	6.000e+03	1.230e-01	1.835e-03	-87.89°	-87.95°
7	7.000e+03	2.643e-01	3.943e-03	-178.91°	-178.97°
8	8.000e+03	2.237e-01	3.337e-03	88.97°	88.91°
9	9.000e+03	7.594e-02	1.133e-03	1.78°	1.72°

Total Harmonic Distortion: 5.290740%(5.298949%)

N-Period=1

Fourier components of V(5)
DC component:246.376

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	2.422e+02	1.000e+00	-179.81°	0.00°
2	2.000e+03	8.356e+00	3.450e-02	-90.01°	89.80°
3	3.000e+03	1.150e+01	4.748e-02	-179.66°	0.15°
4	4.000e+03	5.803e+00	2.396e-02	90.42°	270.23°
5	5.000e+03	1.848e+00	7.629e-03	1.06°	180.87°
6	6.000e+03	5.076e-01	2.096e-03	90.58°	270.39°
7	7.000e+03	1.212e+00	5.003e-03	1.08°	180.89°
8	8.000e+03	9.727e-01	4.016e-03	-90.26°	89.55°
9	9.000e+03	3.017e-01	1.246e-03	-177.68°	2.13°

Total Harmonic Distortion: 6.421496%(6.429708%)

.step level=5

N-Period=1

Fourier components of V(out)

DC component:-0.640667

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	7.026e+00	1.000e+00	-0.01°	0.00°
2	2.000e+03	6.895e-01	9.813e-02	89.89°	89.90°
3	3.000e+03	9.191e-01	1.308e-01	-0.33°	-0.32°
4	4.000e+03	3.544e-02	5.044e-03	86.95°	86.96°
5	5.000e+03	8.177e-02	1.164e-02	-0.76°	-0.75°
6	6.000e+03	1.234e-01	1.757e-02	-90.54°	-90.53°
7	7.000e+03	2.707e-02	3.853e-03	-179.14°	-179.13°
8	8.000e+03	8.054e-02	1.146e-02	-90.88°	-90.87°
9	9.000e+03	1.341e-02	1.908e-03	179.78°	179.79°

Total Harmonic Distortion: 16.540659%(16.552400%)

N-Period=1

Fourier components of V(2)

DC component:-264.854

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	3.778e+01	1.000e+00	179.76°	0.00°
2	2.000e+03	1.431e+00	3.788e-02	91.70°	-88.06°
3	3.000e+03	1.074e+00	2.842e-02	-179.53°	-359.29°
4	4.000e+03	6.814e-01	1.804e-02	-89.36°	-269.12°
5	5.000e+03	3.279e-01	8.680e-03	0.50°	-179.26°
6	6.000e+03	6.411e-02	1.697e-03	85.37°	-94.38°
7	7.000e+03	9.319e-02	2.467e-03	2.54°	-177.22°
8	8.000e+03	1.407e-01	3.724e-03	90.43°	-89.33°
9	9.000e+03	1.121e-01	2.967e-03	-178.83°	-358.59°

Total Harmonic Distortion: 5.172099%(5.180687%)

N-Period=1

Fourier components of V(3)

DC component:-53.1906

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	9.741e+01	1.000e+00	0.05°	0.00°

2	2.000e+03	6.087e+00	6.249e-02	88.65°	88.60°
3	3.000e+03	7.753e+00	7.959e-02	0.34°	0.29°
4	4.000e+03	1.514e+00	1.554e-02	90.56°	90.51°
5	5.000e+03	1.176e-02	1.207e-04	31.41°	31.36°
6	6.000e+03	9.038e-01	9.279e-03	-89.85°	-89.90°
7	7.000e+03	1.893e-01	1.943e-03	-177.34°	-177.39°
8	8.000e+03	8.750e-01	8.983e-03	-88.77°	-88.82°
9	9.000e+03	9.568e-02	9.822e-04	1.20°	1.15°

Total Harmonic Distortion: 10.320881%(10.333814%)

N-Period=1

Fourier components of V(5)

DC component:270.317

Harmonic Number	Frequency [Hz]	Fourier Component	Normalized Component	Phase [degree]	Normalized Phase [deg]
1	1.000e+03	3.202e+02	1.000e+00	-179.82°	0.00°
2	2.000e+03	3.142e+01	9.813e-02	-89.71°	90.11°
3	3.000e+03	4.189e+01	1.308e-01	-179.68°	0.14°
4	4.000e+03	1.615e+00	5.043e-03	-92.42°	87.40°
5	5.000e+03	3.732e+00	1.166e-02	-179.66°	0.15°
6	6.000e+03	5.626e+00	1.757e-02	90.81°	270.63°
7	7.000e+03	1.230e+00	3.841e-03	2.42°	182.23°
8	8.000e+03	3.671e+00	1.147e-02	90.93°	270.74°
9	9.000e+03	6.086e-01	1.901e-03	1.83°	181.65°

Total Harmonic Distortion: 16.542421%(16.554180%)

Date: Wed Nov 02 17:07:16 2016

Total elapsed time: 0.891 seconds.

tnom = 27

temp = 27

method = modified trap

totiter = 2506

traniter = 2479

tranpoints = 1164

accept = 1121

rejected = 43

matrix size = 75

fillins = 59

solver = Normal

Matrix Compiler1: 7.33 KB object code size 3.8/3.4/[1.9]

Matrix Compiler2: off [2.2]/2.9/10.8