

$$V_o(t) = \frac{1 - e^{-\zeta 2\pi f t} \sin[(\sqrt{1-\zeta^2} 2\pi f t) + \cos^{-1} \zeta]}{\sqrt{1-\zeta^2}}$$

L = 1.00E-04 Damping (ζ) = 1.06600
 C = 2.20E-05 Quality (Q) = 0.469
 f = 3.39E+03 T = 2.95E-04
 R = 1
 I = 6500 mA

		$\cos^{-1} \zeta$ (radians)	$2\pi f t$	$\sqrt{1-\zeta^2}$	$2\pi f t * \sqrt{1-\zeta^2}$	sin	$e^{-\zeta 2\pi f t}$
t =	0	#NUM!	0.00E+00	#NUM!	#NUM!	#NUM!	1
t =	2.00E-05	#NUM!	4.26E-01	#NUM!	#NUM!	#NUM!	0.634736
t =	4.00E-05	#NUM!	8.53E-01	#NUM!	#NUM!	#NUM!	0.40289
t =	5.00E-05	#NUM!	1.07E+00	#NUM!	#NUM!	#NUM!	0.320984
t =	6.00E-05	#NUM!	1.28E+00	#NUM!	#NUM!	#NUM!	0.255729
t =	7.00E-05	#NUM!	1.49E+00	#NUM!	#NUM!	#NUM!	0.20374
t =	8.00E-05	#NUM!	1.71E+00	#NUM!	#NUM!	#NUM!	0.162321
t =	9.00E-05	#NUM!	1.92E+00	#NUM!	#NUM!	#NUM!	0.129321
t =	1.00E-04	#NUM!	2.13E+00	#NUM!	#NUM!	#NUM!	0.103031
t =	1.10E-04	#NUM!	2.35E+00	#NUM!	#NUM!	#NUM!	0.082085
t =	1.20E-04	#NUM!	2.56E+00	#NUM!	#NUM!	#NUM!	0.065397
t =	1.30E-04	#NUM!	2.77E+00	#NUM!	#NUM!	#NUM!	0.052102
t =	1.40E-04	#NUM!	2.98E+00	#NUM!	#NUM!	#NUM!	0.04151
t =	1.50E-04	#NUM!	3.20E+00	#NUM!	#NUM!	#NUM!	0.033071
t =	1.60E-04	#NUM!	3.41E+00	#NUM!	#NUM!	#NUM!	0.026348
t =	1.70E-04	#NUM!	3.62E+00	#NUM!	#NUM!	#NUM!	0.020992
t =	1.80E-04	#NUM!	3.84E+00	#NUM!	#NUM!	#NUM!	0.016724
t =	1.90E-04	#NUM!	4.05E+00	#NUM!	#NUM!	#NUM!	0.013324
t =	2.00E-04	#NUM!	4.26E+00	#NUM!	#NUM!	#NUM!	0.010615
t =	2.10E-04	#NUM!	4.48E+00	#NUM!	#NUM!	#NUM!	0.008457
t =	2.20E-04	#NUM!	4.69E+00	#NUM!	#NUM!	#NUM!	0.006738
t =	2.30E-04	#NUM!	4.90E+00	#NUM!	#NUM!	#NUM!	0.005368
t =	2.40E-04	#NUM!	5.12E+00	#NUM!	#NUM!	#NUM!	0.004277
t =	2.50E-04	#NUM!	5.33E+00	#NUM!	#NUM!	#NUM!	0.003407
t =	2.60E-04	#NUM!	5.54E+00	#NUM!	#NUM!	#NUM!	0.002715
t =	2.70E-04	#NUM!	5.76E+00	#NUM!	#NUM!	#NUM!	0.002163
t =	2.80E-04	#NUM!	5.97E+00	#NUM!	#NUM!	#NUM!	0.001723
t =	2.90E-04	#NUM!	6.18E+00	#NUM!	#NUM!	#NUM!	0.001373
t =	3.00E-04	#NUM!	6.40E+00	#NUM!	#NUM!	#NUM!	0.001094
t =	3.10E-04	#NUM!	6.61E+00	#NUM!	#NUM!	#NUM!	0.000871
t =	3.20E-04	#NUM!	6.82E+00	#NUM!	#NUM!	#NUM!	0.000694
t =	3.30E-04	#NUM!	7.04E+00	#NUM!	#NUM!	#NUM!	0.000553
t =	3.40E-04	#NUM!	7.25E+00	#NUM!	#NUM!	#NUM!	0.000441
t =	3.50E-04	#NUM!	7.46E+00	#NUM!	#NUM!	#NUM!	0.000351
t =	3.60E-04	#NUM!	7.68E+00	#NUM!	#NUM!	#NUM!	0.00028
t =	3.70E-04	#NUM!	7.89E+00	#NUM!	#NUM!	#NUM!	0.000223
t =	3.80E-04	#NUM!	8.10E+00	#NUM!	#NUM!	#NUM!	0.000178
t =	3.90E-04	#NUM!	8.31E+00	#NUM!	#NUM!	#NUM!	0.000141

t =	4.00E-04	#NUM!	8.53E+00	#NUM!	#NUM!	#NUM!	0.000113
t =	4.10E-04	#NUM!	8.74E+00	#NUM!	#NUM!	#NUM!	8.98E-05
t =	4.20E-04	#NUM!	8.95E+00	#NUM!	#NUM!	#NUM!	7.15E-05
t =	4.30E-04	#NUM!	9.17E+00	#NUM!	#NUM!	#NUM!	5.7E-05
t =	4.40E-04	#NUM!	9.38E+00	#NUM!	#NUM!	#NUM!	4.54E-05
t =	4.50E-04	#NUM!	9.59E+00	#NUM!	#NUM!	#NUM!	3.62E-05
t =	4.60E-04	#NUM!	9.81E+00	#NUM!	#NUM!	#NUM!	2.88E-05
t =	4.70E-04	#NUM!	1.00E+01	#NUM!	#NUM!	#NUM!	2.3E-05

L = 1.00E-04 Damping (ζ) = 0.21320
 C = 2.20E-05 Quality (Q) = 2.345
 f = 3.39E+03 T = 2.95E-04
 R = 5
 I = 1300 mA
 K = 2.36E+00

$e^{-\zeta 2\pi f t} (\sin + \cos^{-1} \zeta) / \sqrt{1 - \zeta^2}$ $V_o(t) =$				$\cos^{-1} \zeta$ (radians)	$2\pi f t$
#NUM!	#NUM!	t =	0	1.355946494	0.00E+00
#NUM!	#NUM!	t =	2.00E-05	1.355946494	4.26E-01
#NUM!	#NUM!	t =	4.00E-05	1.355946494	8.53E-01
#NUM!	#NUM!	t =	6.00E-05	1.355946494	1.28E+00
#NUM!	#NUM!	t =	8.00E-05	1.355946494	1.71E+00
#NUM!	#NUM!	t =	1.00E-04	1.355946494	2.13E+00
#NUM!	#NUM!	t =	1.20E-04	1.355946494	2.56E+00
#NUM!	#NUM!	t =	1.40E-04	1.355946494	2.98E+00
#NUM!	#NUM!	t =	1.60E-04	1.355946494	3.41E+00
#NUM!	#NUM!	t =	1.80E-04	1.355946494	3.84E+00
#NUM!	#NUM!	t =	2.00E-04	1.355946494	4.26E+00
#NUM!	#NUM!	t =	2.20E-04	1.355946494	4.69E+00
#NUM!	#NUM!	t =	2.40E-04	1.355946494	5.12E+00
#NUM!	#NUM!	t =	2.60E-04	1.355946494	5.54E+00
#NUM!	#NUM!	t =	2.80E-04	1.355946494	5.97E+00
#NUM!	#NUM!	t =	3.00E-04	1.355946494	6.40E+00
#NUM!	#NUM!	t =	3.20E-04	1.355946494	6.82E+00
#NUM!	#NUM!	t =	3.40E-04	1.355946494	7.25E+00
#NUM!	#NUM!	t =	3.60E-04	1.355946494	7.68E+00
#NUM!	#NUM!	t =	3.80E-04	1.355946494	8.10E+00
#NUM!	#NUM!	t =	4.00E-04	1.355946494	8.53E+00
#NUM!	#NUM!	t =	4.20E-04	1.355946494	8.95E+00
#NUM!	#NUM!	t =	4.40E-04	1.355946494	9.38E+00
#NUM!	#NUM!	t =	4.60E-04	1.355946494	9.81E+00
#NUM!	#NUM!	t =	4.80E-04	1.355946494	1.02E+01
#NUM!	#NUM!	t =	5.00E-04	1.355946494	1.07E+01
#NUM!	#NUM!	t =	5.20E-04	1.355946494	1.11E+01
#NUM!	#NUM!	t =	5.40E-04	1.355946494	1.15E+01
#NUM!	#NUM!	t =	5.60E-04	1.355946494	1.19E+01
#NUM!	#NUM!	t =	5.80E-04	1.355946494	1.24E+01
#NUM!	#NUM!	t =	6.00E-04	1.355946494	1.28E+01
#NUM!	#NUM!	t =	6.20E-04	1.355946494	1.32E+01
#NUM!	#NUM!	t =	6.40E-04	1.355946494	1.36E+01
#NUM!	#NUM!	t =	6.60E-04	1.355946494	1.41E+01
#NUM!	#NUM!	t =	6.80E-04	1.355946494	1.45E+01
#NUM!	#NUM!	t =	7.00E-04	1.355946494	1.49E+01
#NUM!	#NUM!	t =	7.20E-04	1.355946494	1.54E+01
#NUM!	#NUM!	t =	7.40E-04	1.355946494	1.58E+01

#NUM!	#NUM!	t =	7.60E-04	1.355946494	1.62E+01
#NUM!	#NUM!	t =	7.80E-04	1.355946494	1.66E+01
#NUM!	#NUM!	t =	8.00E-04	1.355946494	1.71E+01
#NUM!	#NUM!	t =	8.20E-04	1.355946494	1.75E+01
#NUM!	#NUM!	t =	8.40E-04	1.355946494	1.79E+01
#NUM!	#NUM!	t =	8.60E-04	1.355946494	1.83E+01
#NUM!	#NUM!	t =	8.80E-04	1.355946494	1.88E+01
#NUM!	#NUM!	t =	9.00E-04	1.355946494	1.92E+01
		t =	9.20E-04	1.355946494	1.96E+01
		t =	9.40E-04	1.355946494	2.00E+01
		t =	9.60E-04	1.570501619	2.05E+01
		t =	9.80E-04	1.355946494	2.09E+01
		t =	1.00E-03	1.355946494	2.13E+01

$\sqrt{1-\zeta^2}$	$2\pi ft * \sqrt{1-\zeta^2}$	\sin	$e^{-\zeta 2\pi ft}$	$e^{-\zeta 2\pi ft} (\sin + \cos^{-1} \zeta) / \sqrt{1-\zeta^2}$
0.977008	0.00E+00	0.977008	1	1
0.977008	4.17E-01	0.979718	0.913100716	0.915632885
0.977008	8.33E-01	0.814839	0.833752918	0.695361453
0.977008	1.25E+00	0.510574	0.761300387	0.397847697
0.977008	1.67E+00	0.118973	0.695143928	0.084649252
0.977008	2.08E+00	-0.29298	0.634736419	-0.190341739
0.977008	2.50E+00	-0.65482	0.579578279	-0.388448814
0.977008	2.92E+00	-0.90464	0.529213342	-0.490014701
0.977008	3.33E+00	-0.99972	0.483225081	-0.494458207
0.977008	3.75E+00	-0.92379	0.441233168	-0.417198044
0.977008	4.17E+00	-0.68983	0.402890322	-0.284468156
0.977008	4.58E+00	-0.33788	0.367879441	-0.12722405
0.977008	5.00E+00	0.071873	0.335910981	0.024710956
0.977008	5.42E+00	0.469331	0.306720558	0.147340921
0.977008	5.83E+00	0.786506	0.280066761	0.225457705
0.977008	6.25E+00	0.969143	0.25572916	0.253670281
0.977008	6.67E+00	0.986	0.233506479	0.235655414
0.977008	7.08E+00	0.834194	0.213214933	0.182048122
0.977008	7.50E+00	0.539692	0.194686708	0.107543457
0.977008	7.92E+00	0.152872	0.177768573	0.027815296
0.977008	8.33E+00	-0.2601	0.162320611	-0.043212901
0.977008	8.75E+00	-0.62858	0.148215066	-0.09535698
0.977008	9.17E+00	-0.88953	0.135335283	-0.123218051
0.977008	9.58E+00	-0.99833	0.123574744	-0.126270988
0.977008	1.00E+01	-0.93635	0.112836187	-0.108140168
0.977008	1.04E+01	-0.7142	0.103030803	-0.075316156
0.977008	1.08E+01	-0.36988	0.0940775	-0.035616413
0.977008	1.12E+01	0.037707	0.085902233	0.003315365
0.977008	1.17E+01	0.438846	0.078437391	0.035231975
0.977008	1.21E+01	0.764917	0.071621237	0.05607349
0.977008	1.25E+01	0.960142	0.065397403	0.064268422
0.977008	1.29E+01	0.991127	0.059714416	0.060577353
0.977008	1.33E+01	0.852572	0.054525276	0.047580687
0.977008	1.37E+01	0.568178	0.049787068	0.028953591
0.977008	1.42E+01	0.186592	0.045460608	0.008682195
0.977008	1.46E+01	-0.22691	0.041510114	-0.009640804
0.977008	1.50E+01	-0.6016	0.037902914	-0.023339027
0.977008	1.54E+01	-0.87338	0.034609178	-0.030938316

0.977008	1.58E+01	-0.99576	0.031601665	-0.032208258
0.977008	1.62E+01	-0.94781	0.028855503	-0.027993142
0.977008	1.67E+01	-0.73773	0.026347981	-0.019895046
0.977008	1.71E+01	-0.40145	0.02405836	-0.009885525
0.977008	1.75E+01	0.003498	0.021967706	7.8646E-05
0.977008	1.79E+01	0.407848	0.020058728	0.008373424
0.977008	1.83E+01	0.742432	0.018315639	0.013918116
0.977008	1.87E+01	0.950017	0.016724023	0.016261999
0.977008	1.92E+01	0.995094	0.015270717	0.015553402
0.977008	1.96E+01	0.869952	0.013943703	0.012415818
0.977008	2.00E+01	0.411367	0.012732005	0.005360776
0.977008	2.04E+01	0.220094	0.011625603	0.002618933
0.977008	2.08E+01	-0.19346	0.010615346	-0.002101971

L = 1.00E-04 Damping (ζ) = 0.10660
 C = 2.20E-05 Quality (Q) = 4.690
 f = 3.39E+03 T = 2.95E-04
 R = 10
 I = 650 mA
 K = 4.72E+00

$V_o(t) =$			$\cos^{-1}\zeta$ (radians)	$2\pi ft$	$\sqrt{1-\zeta^2}$
0	t =	0	1.463993035	0.00E+00	0.9943019
0.084367115	t =	2.00E-05	1.463993035	4.26E-01	0.9943019
0.304638547	t =	4.00E-05	1.463993035	8.53E-01	0.9943019
0.602152303	t =	6.00E-05	1.463993035	1.28E+00	0.9943019
0.915350748	t =	8.00E-05	1.463993035	1.71E+00	0.9943019
1.190341739	t =	1.00E-04	1.463993035	2.13E+00	0.9943019
1.388448814	t =	1.20E-04	1.463993035	2.56E+00	0.9943019
1.490014701	t =	1.40E-04	1.463993035	2.98E+00	0.9943019
1.494458207	t =	1.60E-04	1.463993035	3.41E+00	0.9943019
1.417198044	t =	1.80E-04	1.463993035	3.84E+00	0.9943019
1.284468156	t =	2.00E-04	1.463993035	4.26E+00	0.9943019
1.12722405	t =	2.20E-04	1.463993035	4.69E+00	0.9943019
0.975289044	t =	2.40E-04	1.463993035	5.12E+00	0.9943019
0.852659079	t =	2.60E-04	1.463993035	5.54E+00	0.9943019
0.774542295	t =	2.80E-04	1.463993035	5.97E+00	0.9943019
0.746329719	t =	3.00E-04	1.463993035	6.40E+00	0.9943019
0.764344586	t =	3.20E-04	1.463993035	6.82E+00	0.9943019
0.817951878	t =	3.40E-04	1.463993035	7.25E+00	0.9943019
0.892456543	t =	3.60E-04	1.463993035	7.68E+00	0.9943019
0.972184704	t =	3.80E-04	1.463993035	8.10E+00	0.9943019
1.043212901	t =	4.00E-04	1.463993035	8.53E+00	0.9943019
1.09535698	t =	4.20E-04	1.463993035	8.95E+00	0.9943019
1.123218051	t =	4.40E-04	1.463993035	9.38E+00	0.9943019
1.126270988	t =	4.60E-04	1.463993035	9.81E+00	0.9943019
1.108140168	t =	4.80E-04	1.463993035	1.02E+01	0.9943019
1.075316156	t =	5.00E-04	1.463993035	1.07E+01	0.9943019
1.035616413	t =	5.20E-04	1.463993035	1.11E+01	0.9943019
0.996684635	t =	5.40E-04	1.463993035	1.15E+01	0.9943019
0.964768025	t =	5.60E-04	1.463993035	1.19E+01	0.9943019
0.94392651	t =	5.80E-04	1.463993035	1.24E+01	0.9943019
0.935731578	t =	6.00E-04	1.463993035	1.28E+01	0.9943019
0.939422647	t =	6.20E-04	1.463993035	1.32E+01	0.9943019
0.952419313	t =	6.40E-04	1.463993035	1.36E+01	0.9943019
0.971046409	t =	6.60E-04	1.463993035	1.41E+01	0.9943019
0.991317805	t =	6.80E-04	1.463993035	1.45E+01	0.9943019
1.009640804	t =	7.00E-04	1.463993035	1.49E+01	0.9943019
1.023339027	t =	7.20E-04	1.463993035	1.54E+01	0.9943019
1.030938316	t =	7.40E-04	1.463993035	1.58E+01	0.9943019

1.032208258	t =	7.60E-04	1.463993035	1.62E+01	0.9943019
1.027993142	t =	7.80E-04	1.463993035	1.66E+01	0.9943019
1.019895046	t =	8.00E-04	1.463993035	1.71E+01	0.9943019
1.009885525	t =	8.20E-04	1.463993035	1.75E+01	0.9943019
0.999921354	t =	8.40E-04	1.463993035	1.79E+01	0.9943019
0.991626576	t =	8.60E-04	1.463993035	1.83E+01	0.9943019
0.986081884	t =	8.80E-04	1.463993035	1.88E+01	0.9943019
0.983738001	t =	9.00E-04	1.463993035	1.92E+01	0.9943019
0.984446598	t =	9.20E-04	1.463993035	1.96E+01	0.9943019
0.987584182	t =	9.40E-04	1.463993035	2.00E+01	0.9943019
0.994639224	t =	9.60E-04	1.463993035	2.05E+01	0.9943019
0.997381067	t =	9.80E-04	1.463993035	2.09E+01	0.9943019
1.002101971	t =	1.00E-03	1.463993035	2.13E+01	0.9943019

$2\pi ft * \sqrt{1-\zeta^2}$	\sin	$e^{-\zeta 2\pi ft}$	$e^{-\zeta 2\pi ft} (\sin + \cos^{-1} \zeta) / \sqrt{1-\zeta^2}$	$V_o(t) =$
0.00E+00	0.994302	1	1	0
4.24E-01	0.950122	0.955563036	0.91310468	0.08689532
8.48E-01	0.737699	0.913100716	0.67745385	0.32254615
1.27E+00	0.394648	0.872525293	0.346313328	0.653686672
1.70E+00	-0.01829	0.833752918	-0.015333764	1.015333764
2.12E+00	-0.42798	0.79670347	-0.342929125	1.342929125
2.54E+00	-0.76189	0.761300387	-0.583353554	1.583353554
2.97E+00	-0.96089	0.727470509	-0.703025923	1.703025923
3.39E+00	-0.98974	0.695143928	-0.6919538	1.6919538
3.82E+00	-0.84333	0.664253843	-0.563394131	1.563394131
4.24E+00	-0.54758	0.634736419	-0.34956354	1.34956354
4.66E+00	-0.15488	0.60653066	-0.094475855	1.094475855
5.09E+00	0.265256	0.579578279	0.154617413	0.845382587
5.51E+00	0.638418	0.55382358	0.355597011	0.644402989
5.94E+00	0.898532	0.529213342	0.478239988	0.521760012
6.36E+00	0.999538	0.505696707	0.508359528	0.491640472
6.78E+00	0.92355	0.483225081	0.448839944	0.551160056
7.21E+00	0.684024	0.461752026	0.317659463	0.682340537
7.63E+00	0.323374	0.441233168	0.143501042	0.856498958
8.06E+00	-0.09454	0.421626105	-0.040087864	1.040087864
8.48E+00	-0.49571	0.402890322	-0.200860724	1.200860724
8.90E+00	-0.8091	0.384987099	-0.313278893	1.313278893
9.33E+00	-0.97922	0.367879441	-0.362300446	1.362300446
9.75E+00	-0.97595	0.351531996	-0.345042918	1.345042918
1.02E+01	-0.79986	0.335910981	-0.270220085	1.270220085
1.06E+01	-0.48213	0.320984117	-0.155642617	1.155642617
1.10E+01	-0.07903	0.306720558	-0.024378709	1.024378709
1.14E+01	0.338065	0.293090827	0.099651645	0.900348355
1.19E+01	0.695296	0.280066761	0.195845329	0.804154671
1.23E+01	0.929407	0.267621444	0.250154749	0.749845251
1.27E+01	0.998943	0.25572916	0.256922849	0.743077151
1.31E+01	0.89159	0.244365333	0.219122361	0.780877639
1.36E+01	0.626359	0.233506479	0.147097009	0.852902991
1.40E+01	0.250214	0.22313016	0.056150318	0.943849682
1.44E+01	-0.17024	0.213214933	-0.036505067	1.036505067
1.48E+01	-0.56054	0.203740309	-0.114859773	1.114859773
1.53E+01	-0.85159	0.194686708	-0.16674364	1.16674364
1.57E+01	-0.99184	0.186035422	-0.185575406	1.185575406

1.61E+01	-0.95646	0.177768573	-0.171003624	1.171003624
1.65E+01	-0.75172	0.169869077	-0.128425459	1.128425459
1.70E+01	-0.41386	0.162320611	-0.06756324	1.06756324
1.74E+01	-0.00272	0.155107576	-0.000424326	1.000424326
1.78E+01	0.408903	0.148215066	0.060952901	0.939047099
1.82E+01	0.748119	0.141628839	0.106562481	0.893437519
1.87E+01	0.954862	0.135335283	0.129967093	0.870032907
1.91E+01	0.992522	0.129321394	0.129089896	0.870910104
1.95E+01	0.854431	0.123574744	0.106191122	0.893808878
1.99E+01	0.56504	0.118083458	0.067104277	0.932895723
2.04E+01	0.175595	0.112836187	0.019927039	0.980072961
2.08E+01	-0.24494	0.10782209	-0.026561672	1.026561672
2.12E+01	-0.62211	0.103030803	-0.06446368	1.06446368

L = 1.00E-04 Damping (ζ) = 0.01066
 C = 2.20E-05 Quality (Q) = 46.904
 f = 3.39E+03 T = 2.95E-04
 R = 100
 I = 65 mA
 K = 3.68E+01

		$\cos^{-1}\zeta$ (radians)	$2\pi ft$	$\sqrt{1-\zeta^2}$	$ft * \sqrt{1-\zeta^2}$
t =	0	1.560136089	0.00E+00	0.999943	0.00E+00
t =	2.00E-05	1.560136089	4.26E-01	0.999943	4.26E-01
t =	4.00E-05	1.560136089	8.53E-01	0.999943	8.53E-01
t =	6.00E-05	1.560136089	1.28E+00	0.999943	1.28E+00
t =	8.00E-05	1.560136089	1.71E+00	0.999943	1.71E+00
t =	1.00E-04	1.560136089	2.13E+00	0.999943	2.13E+00
t =	1.20E-04	1.560136089	2.56E+00	0.999943	2.56E+00
t =	1.40E-04	1.560136089	2.98E+00	0.999943	2.98E+00
t =	1.60E-04	1.560136089	3.41E+00	0.999943	3.41E+00
t =	1.80E-04	1.560136089	3.84E+00	0.999943	3.84E+00
t =	2.00E-04	1.560136089	4.26E+00	0.999943	4.26E+00
t =	2.20E-04	1.560136089	4.69E+00	0.999943	4.69E+00
t =	2.40E-04	1.560136089	5.12E+00	0.999943	5.12E+00
t =	2.60E-04	1.560136089	5.54E+00	0.999943	5.54E+00
t =	2.80E-04	1.560136089	5.97E+00	0.999943	5.97E+00
t =	3.00E-04	1.560136089	6.40E+00	0.999943	6.40E+00
t =	3.20E-04	1.560136089	6.82E+00	0.999943	6.82E+00
t =	3.40E-04	1.560136089	7.25E+00	0.999943	7.25E+00
t =	3.60E-04	1.560136089	7.68E+00	0.999943	7.67E+00
t =	3.80E-04	1.560136089	8.10E+00	0.999943	8.10E+00
t =	4.00E-04	1.560136089	8.53E+00	0.999943	8.53E+00
t =	4.20E-04	1.560136089	8.95E+00	0.999943	8.95E+00
t =	4.40E-04	1.560136089	9.38E+00	0.999943	9.38E+00
t =	4.60E-04	1.560136089	9.81E+00	0.999943	9.81E+00
t =	4.80E-04	1.560136089	1.02E+01	0.999943	1.02E+01
t =	5.00E-04	1.560136089	1.07E+01	0.999943	1.07E+01
t =	5.20E-04	1.560136089	1.11E+01	0.999943	1.11E+01
t =	5.40E-04	1.560136089	1.15E+01	0.999943	1.15E+01
t =	5.60E-04	1.560136089	1.19E+01	0.999943	1.19E+01
t =	5.80E-04	1.560136089	1.24E+01	0.999943	1.24E+01
t =	6.00E-04	1.560136089	1.28E+01	0.999943	1.28E+01
t =	6.20E-04	1.560136089	1.32E+01	0.999943	1.32E+01
t =	6.40E-04	1.560136089	1.36E+01	0.999943	1.36E+01
t =	6.60E-04	1.560136089	1.41E+01	0.999943	1.41E+01
t =	6.80E-04	1.560136089	1.45E+01	0.999943	1.45E+01
t =	7.00E-04	1.560136089	1.49E+01	0.999943	1.49E+01
t =	7.20E-04	1.560136089	1.54E+01	0.999943	1.53E+01
t =	7.40E-04	1.560136089	1.58E+01	0.999943	1.58E+01

t =	7.60E-04	1.560136089	1.62E+01	0.999943	1.62E+01
t =	7.80E-04	1.560136089	1.66E+01	0.999943	1.66E+01
t =	8.00E-04	1.560136089	1.71E+01	0.999943	1.71E+01
t =	8.20E-04	1.560136089	1.75E+01	0.999943	1.75E+01
t =	8.40E-04	1.560136089	1.79E+01	0.999943	1.79E+01
t =	8.60E-04	1.560136089	1.83E+01	0.999943	1.83E+01
t =	8.80E-04	1.560136089	1.88E+01	0.999943	1.88E+01
t =	9.00E-04	1.560136089	1.92E+01	0.999943	1.92E+01
t =	9.20E-04	1.560136089	1.96E+01	0.999943	1.96E+01
t =	9.40E-04	1.560136089	2.00E+01	0.999943	2.00E+01
t =	9.60E-04	1.560136089	2.05E+01	0.999943	2.05E+01
t =	9.80E-04	1.560136089	2.09E+01	0.999943	2.09E+01
t =	1.00E-03	1.560136089	2.13E+01	0.999943	2.13E+01

sin	$e^{-\zeta 2\pi f t}$	$n + \cos^{-1} \zeta$	$/s(V_o(t) =$		
0.999943	1	1	0	t =	0
0.914827	0.995465	0.91073	0.08927	t =	5.00E-05
0.665902	0.99095	0.659913	0.340087	t =	1.00E-04
0.297741	0.986456	0.293725	0.706275	t =	1.50E-04
-0.12373	0.981982	-0.12151	1.121512	t =	2.00E-04
-0.52305	0.977529	-0.51133	1.511329	t =	2.50E-04
-0.82871	0.973096	-0.80646	1.806464	t =	3.00E-04
-0.98599	0.968683	-0.95516	1.955162	t =	3.50E-04
-0.96671	0.96429	-0.93224	1.932238	t =	4.00E-04
-0.77433	0.959916	-0.74333	1.743334	t =	4.50E-04
-0.4433	0.955563	-0.42363	1.423625	t =	5.00E-04
-0.03289	0.951229	-0.03129	1.031292	t =	5.50E-04
0.383402	0.946915	0.36307	0.63693	t =	6.00E-04
0.731047	0.942621	0.689139	0.310861	t =	6.50E-04
0.94779	0.938346	0.889405	0.110595	t =	7.00E-04
0.994822	0.934091	0.929306	0.070694	t =	7.50E-04
0.863721	0.929854	0.80318	0.19682	t =	8.00E-04
0.577962	0.925637	0.535014	0.464986	t =	8.50E-04
0.188714	0.921439	0.173898	0.826102	t =	9.00E-04
-0.23433	0.917261	-0.21495	1.21495	t =	9.50E-04
-0.61541	0.913101	-0.56196	1.561961	t =	1.00E-03
-0.88629	0.90896	-0.80565	1.805651	t =	1.05E-03
-0.99848	0.904837	-0.90351	1.903514	t =	1.10E-03
-0.93188	0.900734	-0.83942	1.839423	t =	1.15E-03
-0.69842	0.896649	-0.62627	1.626269	t =	1.20E-03
-0.33989	0.892582	-0.3034	1.303401	t =	1.25E-03
0.079489	0.888534	0.070633	0.929367	t =	1.30E-03
0.484639	0.884505	0.42869	0.57131	t =	1.35E-03
0.803009	0.880494	0.707084	0.292916	t =	1.40E-03
0.977593	0.8765	0.856909	0.143091	t =	1.45E-03
0.977129	0.872525	0.852618	0.147382	t =	1.50E-03
0.8017	0.868568	0.696371	0.303629	t =	1.55E-03
0.482719	0.864629	0.417397	0.582603	t =	1.60E-03
0.077302	0.860708	0.066538	0.933462	t =	1.65E-03
-0.34196	0.856805	-0.29301	1.293006	t =	1.70E-03
-0.69998	0.852919	-0.59706	1.597063	t =	1.75E-03
-0.93267	0.849051	-0.79193	1.791931	t =	1.80E-03
-0.99836	0.8452	-0.84386	1.843859	t =	1.85E-03

-0.88528	0.841367	-0.74488	1.744884
-0.61368	0.837551	-0.51401	1.514015
-0.23219	0.833753	-0.1936	1.193603
0.190867	0.829972	0.158423	0.841577
0.579751	0.826208	0.479022	0.520978
0.864824	0.822461	0.711324	0.288676
0.995042	0.818731	0.814718	0.185282
0.947088	0.815018	0.771937	0.228063
0.729548	0.811321	0.591932	0.408068
0.381376	0.807642	0.308032	0.691968
-0.03509	0.803979	-0.02821	1.02821
-0.44527	0.800333	-0.35638	1.356381
-0.77572	0.796703	-0.61805	1.61805

t =	1.90E-03
t =	1.95E-03
t =	2.00E-03
t =	2.05E-03
t =	2.10E-03
t =	2.15E-03
t =	2.20E-03
t =	2.25E-03
t =	2.30E-03
t =	2.35E-03
t =	2.40E-03
t =	2.45E-03
t =	2.50E-03