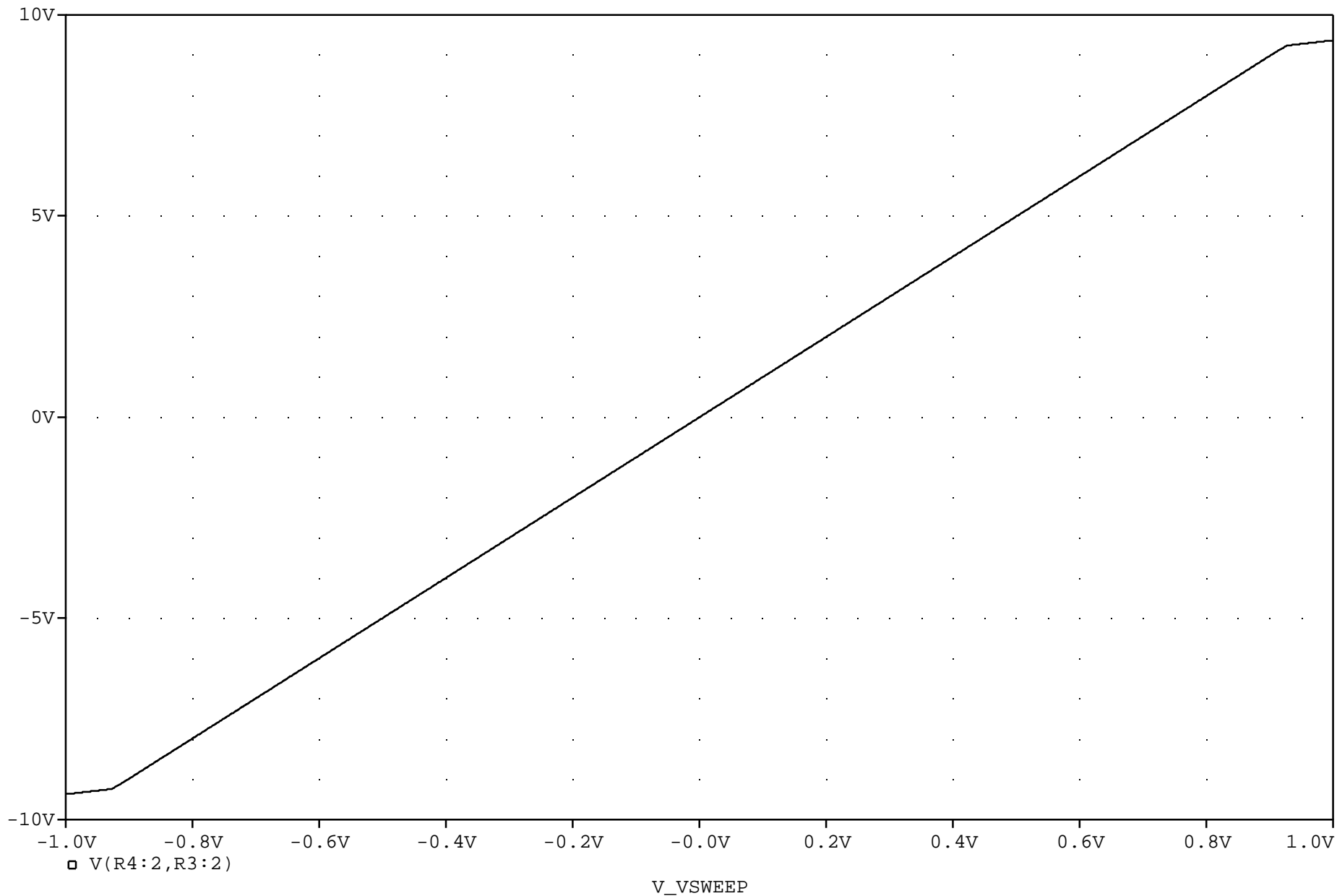
		ANALOG INNOVATIONS, Inc. 824 E. CATHEDRAL ROCK DRIVE PHOENIX, AZ 85048-6300 (480) 460-2350 FAX: (480) 460-2142	
Title: Differential Pair Using TL431s			
Size A	FileName: ...TL431DiffPair.sch		REV A
June 23, 2004, 12:01 PM		Sheet 1 of 1	

TL431DiffPair...Linear DC Sweep

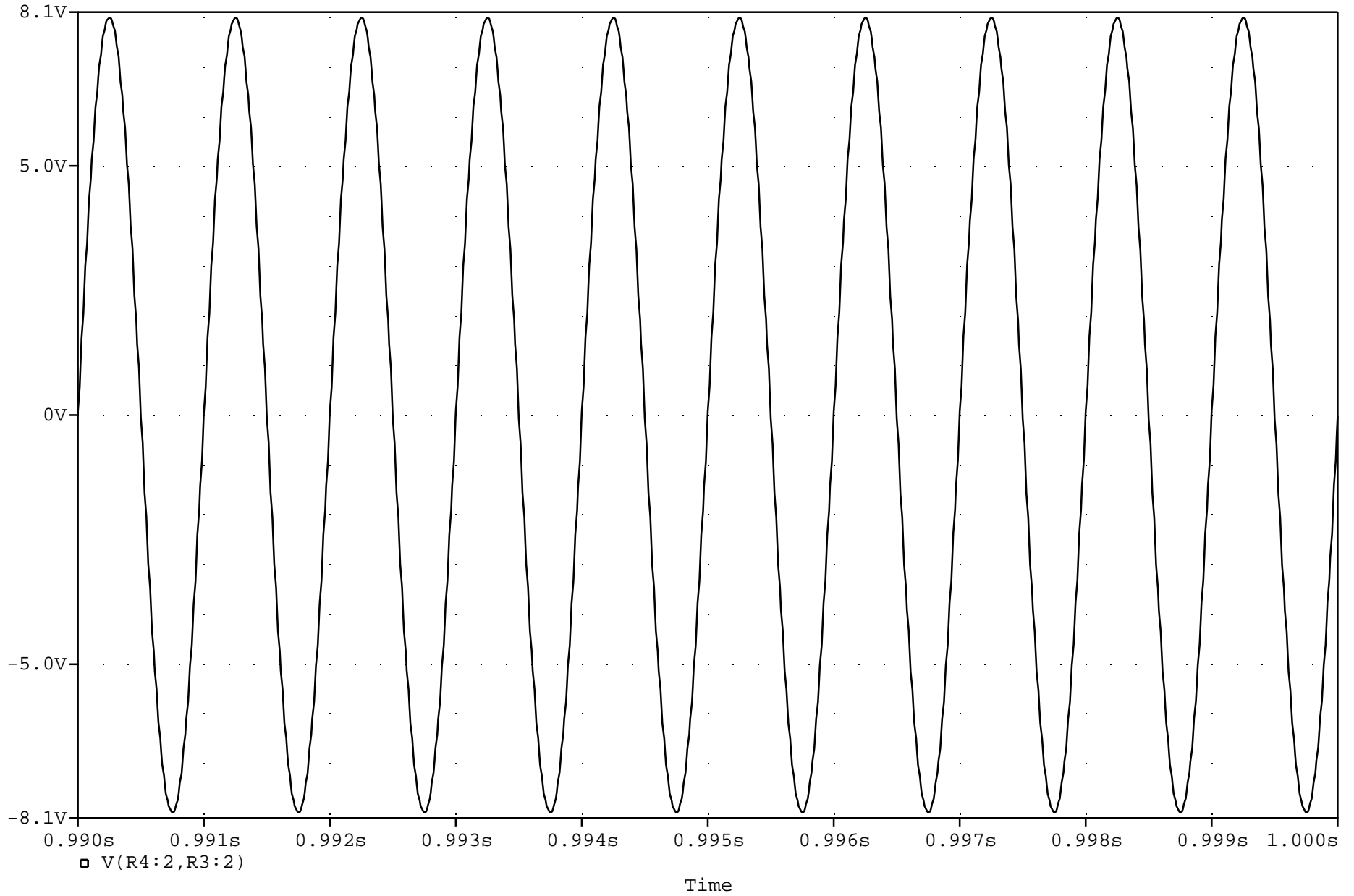


Analog Innovations, Inc.
824 E. Cathedral Rock Drive
Phoenix, AZ 85048-6300
(480)460-2350

Temperature(s): 27.0

June 23, 2004

TL431DiffPair...Transient Analysis, 1KHz Sinusoid



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Temperature(s): 27.0

June 23, 2004

FOURIER COMPONENTS OF TRANSIENT RESPONSE V(N_7,N_4)

HARMONIC NO	FREQUENCY (HZ)	FOURIER COMPONENT	NORMALIZED COMPONENT	PHASE (DEG)	NORMALIZED PHASE (DEG)
1	1.000E+03	7.985E+00	1.000E+00	-1.728E-01	0.000E+00
2	2.000E+03	5.223E-04	6.541E-05	1.041E+02	1.045E+02
3	3.000E+03	1.618E-04	2.026E-05	8.576E+01	8.628E+01
4	4.000E+03	1.701E-04	2.131E-05	1.303E+02	1.310E+02
5	5.000E+03	2.471E-05	3.095E-06	7.241E+01	7.328E+01
6	6.000E+03	7.044E-05	8.821E-06	1.565E+02	1.575E+02
7	7.000E+03	2.983E-04	3.736E-05	7.878E+01	7.999E+01
8	8.000E+03	2.803E-04	3.510E-05	2.628E+01	2.766E+01
9	9.000E+03	1.804E-04	2.259E-05	3.711E+01	3.866E+01
10	1.000E+04	1.091E-04	1.367E-05	1.110E+02	1.127E+02

TOTAL HARMONIC DISTORTION = 9.249344E-03 PERCENT