

VECTOR SUM AND DIFFERENCE, IN DB, FOR EQUAL AMPLITUDE SIGNALS AT ANGLES BETWEEN 0 AND 180 DEGREES

SUM	0	1	2	3	4	5	6	7	8	9		
0	6.02	6.02	6.02	6.02	6.02	6.01	6.01	6.00	6.00	5.99	5.99	170
10	5.99	5.98	5.97	5.96	5.96	5.95	5.94	5.92	5.91	5.90	5.89	160
20	5.89	5.87	5.86	5.84	5.83	5.81	5.80	5.78	5.76	5.74	5.72	150
30	5.72	5.70	5.68	5.66	5.63	5.61	5.58	5.56	5.53	5.51	5.48	140
40	5.48	5.45	5.42	5.39	5.36	5.33	5.30	5.27	5.24	5.20	5.17	130
50	5.17	5.13	5.09	5.06	5.02	4.98	4.94	4.90	4.86	4.81	4.77	120
60	4.77	4.73	4.68	4.64	4.59	4.54	4.49	4.44	4.39	4.34	4.29	110
70	4.29	4.23	4.18	4.12	4.07	4.01	3.95	3.89	3.83	3.77	3.71	100
80	3.71	3.64	3.58	3.51	3.44	3.37	3.30	3.23	3.16	3.09	3.01	90
90	3.01	2.93	2.86	2.78	2.70	2.61	2.53	2.45	2.36	2.27	2.18	80
100	2.18	2.09	2.00	1.90	1.81	1.71	1.61	1.51	1.40	1.30	1.19	70
110	1.19	1.08	.972	.858	.743	.625	.505	.382	.257	.130	.000	60
120	.000	-.133	-.268	-.406	-.547	-.691	-.838	-.989	-1.14	-1.30	-1.46	50
130	-1.46	-1.62	-1.79	-1.97	-2.14	-2.32	-2.51	-2.70	-2.89	-3.09	-3.30	40
140	-3.30	-3.51	-3.73	-3.95	-4.18	-4.42	-4.66	-4.91	-5.17	-5.44	-5.72	30
150	-5.72	-6.01	-6.31	-6.62	-6.94	-7.27	-7.62	-7.99	-8.37	-8.77	-9.19	20
160	-9.19	-9.63	-10.1	-10.6	-11.1	-11.7	-12.3	-12.9	-13.6	-14.3	-15.2	10
170	-15.2	-16.1	-17.1	-18.3	-19.6	-21.2	-23.1	-25.6	-29.1	-35.2	-INF	0
		9	8	7	6	5	4	3	2	1	0	DIFF