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TABLE III:
Formant values

	f1	f2	f3	f4	f5
soprano "a"					
freq (Hz)	800	1150	2900	3900	4950
amp (dB)	0	-6	-32	-20	-50
bw (Hz)	80	90	120	130	140
soprano "e"					
freq (Hz)	350	2000	2800	3600	4950
amp (dB)	0	-20	-15	-40	-56
bw (Hz)	60	100	120	150	200
soprano "i"					
freq (Hz)	270	2140	2950	3900	4950
amp (dB)	0	-12	-26	-26	-44
bw (Hz)	60	90	100	120	120
soprano "o"					
freq (Hz)	450	800	2830	3800	4950
amp (dB)	0	-11	-22	-22	-50
bw (Hz)	70	80	100	130	135
soprano "u"					
freq (Hz)	325	700	2700	3800	4950
amp (dB)	0	-16	-35	-40	-60
bw (Hz)	50	60	170	180	200
alto "a"					
freq (Hz)	800	1150	2800	3500	4950
amp (dB)	0	-4	-20	-36	-60
bw (Hz)	80	90	120	130	140
tenor "a"					
freq (Hz)	650	1080	2650	2900	3250
amp (dB)	0	-6	-7	-8	-22
bw (Hz)	80	90	120	130	140
tenor "e"					
freq (Hz)	400	1700	2600	3200	3580
amp (dB)	0	-14	-12	-14	-20
bw (Hz)	70	80	100	120	120
tenor "i"					
freq (Hz)	290	1870	2800	3250	3540
amp (dB)	0	-15	-18	-20	-30
bw (Hz)	40	90	100	120	120
tenor "o"					
freq (Hz)	400	800	2600	2800	3000
amp (dB)	0	-10	-12	-12	-26
bw (Hz)	40	80	100	120	120
tenor "u"					
freq (Hz)	350	600	2700	2900	3300
amp (dB)	0	-20	-17	-14	-26
bw (Hz)	40	60	100	120	120
bass "a"					
freq (Hz)	600	1040	2250	2450	2750
amp (dB)	0	-7	-9	-9	-20
bw (Hz)	60	70	110	120	130

alto "e"					
freq (Hz)	400	1600	2700	3300	4950
amp (dB)	0	-24	-30	-35	-60
bw (Hz)	60	80	120	150	200
alto "i"					
freq (Hz)	350	1700	2700	3700	4950
amp (dB)	0	-20	-30	-36	-60
bw (Hz)	50	100	120	150	200
alto "o"					
freq (Hz)	450	800	2830	3500	4950
amp (dB)	0	-9	-16	-28	-55
bw (Hz)	70	80	100	130	135
alto "u"					
freq (Hz)	325	700	2530	3500	4950
amp (dB)	0	-12	-30	-40	-64
bw (Hz)	50	60	170	180	200
countertenor "a"					
freq (Hz)	660	1120	2750	3000	3350
amp (dB)	0	-6	-23	-24	-38
bw (Hz)	80	90	120	130	140
countertenor "e"					
freq (Hz)	440	1800	2700	3000	3300
amp (dB)	0	-14	-18	-20	-20
bw (Hz)	70	80	100	120	120
countertenor "i"					
freq (Hz)	270	1850	2900	3350	3590
amp (dB)	0	-24	-24	-36	-36
bw (Hz)	40	90	100	120	120
countertenor "o"					

bass "e"					
freq (Hz)	400	1620	2400	2800	3100
amp (dB)	0	-12	-9	-12	-18
bw (Hz)	40	80	100	120	120
bass "i"					
freq (Hz)	250	1750	2600	3050	3340
amp (dB)	0	-30	-16	-22	-28
bw (Hz)	60	90	100	120	120
bass "o"					
freq (Hz)	400	750	2400	2600	2900
amp (dB)	0	-11	-21	-20	-40
bw (Hz)	40	80	100	120	120
bass "u"					
freq (Hz)	350	600	2400	2675	2950
amp (dB)	0	-20	-32	-28	-36
bw (Hz)	40	80	100	120	120

freq (Hz)	430	820	2700	3000	3300
amp (dB)	0	-10	-26	-22	-34
bw (Hz)	40	80	100	120	120
countertenor "u"					
freq (Hz)	370	630	2750	3000	3400
amp (dB)	0	-20	-23	-30	-34
bw (Hz)	40	60	100	120	120

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