

SUCCESSIONE NATURALE DEI SUONI (ARMONICI)

n	Nota appr.	f [Hz]	Dc progressivi	Dc ridotti all'ottava	Intervallo	Dc due a due	Frazione	f Ridotta
1	DO4	261.6	0.000	0.000	Unisono	0.000	1/1	261.600
2	DO5	523.2	1200.000	1200.000	Ottava	1200.000	1/1 (2/1)	261.600
3	SOL5	784.8	1901.955	701.955	Quinta	701.955	3/2	392.400
4	DO6	1046.4	2400.000	1200.000	Ottava	498.045	1/1	523.200
5	MI6	1308	2786.314	386.314	Terza M	386.314	5/4	327.000
6	SOL6	1569.6	3101.955	701.955	Quinta	315.641	3/2	392.400
7	SIb6	1831.2	3368.826	968.826	Settima m	266.871	7/4	457.800
8	DO7	2092.8	3600.000	1200.000	Ottava	231.174	1/1	523.200
9	RE7	2354.4	3803.910	203.910	Seconda M	203.910	9/8	294.300
10	MI7	2616	3986.314	386.314	Terza M	182.404	5/4	327.000
11	FA#7	2877.6	4151.318	551.318	Quarta aum.	165.004	11/8	359.700
12	SOL7	3139.2	4301.955	701.955	Quinta	150.637	3/2	392.400
13	LA#7	3400.8	4440.528	840.528	Sesta m	138.573	13/8	425.100
14	SIb7	3662.4	4568.826	968.826	Settima m	128.298	7/4	457.800
15	SI7	3924	4688.269	1088.269	Settima M	119.443	15/8	490.500
16	DO8	4185.6	4800.000	1200.000	Ottava	111.731	1/1	523.200
17	REb8	4447.2	4904.955	104.955	Seconda m	104.955	17/16	277.950
18	RE8	4708.8	5003.910	203.910	Seconda M	98.955	9/8	294.300
19	MIb8	4970.4	5097.513	297.513	Terza m	93.603	19/16	310.650
20	MI8	5232	5186.314	386.314	Terza M	88.801	5/4	327.000
21	FA8	5493.6	5270.781	470.781	Quarta	84.467	21/16	343.350
22	FA#8	5755.2	5351.318	551.318	Quarta aum.	80.537	11/8	359.700
23	SOLb8	6016.8	5428.274	628.274	Quinta dim.	76.956	23/16	376.050
24	SOL8	6278.4	5501.955	701.955	Quinta	73.681	3/2	392.400
25	SOL#8	6540	5572.627	772.627	Quinta aum.	70.672	25/16	408.750
26	LA#8	6801.6	5640.528	840.528	Sesta m	67.900	13/8	425.100
27	LA8	7063.2	5705.865	905.865	Sesta M	65.337	27/16	441.450
28	SIb8	7324.8	5768.826	968.826	Settima m	62.961	7/4	457.800
29	SIb8 +	7586.4	5829.577	1029.577	Settima m +	60.751	29/16	474.150
30	SI8	7848	5888.269	1088.269	Settima M	58.692	15/8	490.500
31	DOb8	8109.6	5945.036	1145.036	Ottava dim.	56.767	31/16	506.850
32	DO9	8371.2	6000.000	1200.000	Ottava	54.964	1/1	523.200
33	DO#9	8632.8	6053.273	53.273	Prima aum.	53.273	33/32	269.775
34	REb9	8894.4	6104.955	104.955	Seconda m	51.682	17/16	277.950
35	RE9 -	9156	6155.140	155.140	Seconda M -	50.184	35/32	286.125
36	RE9	9417.6	6203.910	203.910	Seconda M	48.770	9/8	294.300
37	RE#9	9679.2	6251.344	251.344	Seconda aum.	47.434	37/32	302.475
38	MIb9	9940.8	6297.513	297.513	Terza m	46.169	19/16	310.650
39	MIb9 +	10202.4	6342.483	342.483	Terza m +	44.970	39/32	318.825
40	MI9	10464	6386.314	386.314	Terza M	43.831	5/4	327.000
41	MI#9	10725.6	6429.062	429.062	Terza aum.	42.749	41/32	335.175
42	FA9	10987.2	6470.781	470.781	Quarta	41.719	21/16	343.350
43	FA#9 -	11248.8	6511.518	511.518	Quarta aum. -	40.737	43/32	351.525
44	FA#9	11510.4	6551.318	551.318	Quarta aum.	39.800	11/8	359.700
45	FA#9 +	11772	6590.224	590.224	Quarta aum. +	38.906	45/32	367.875
46	SOLb9	12033.6	6628.274	628.274	Quinta dim.	38.051	23/16	376.050
47	SOLb9 +	12295.2	6665.507	665.507	Quinta dim. +	37.232	47/32	384.225
48	SOL9	12556.8	6701.955	701.955	Quinta	36.448	3/2	392.400
49	SOL#9 -	12818.4	6737.652	737.652	Quinta aum. -	35.697	49/32	400.575
50	SOL#9	13080	6772.627	772.627	Quinta aum.	34.976	25/16	408.750
51	SOL#9 +	13341.6	6806.910	806.910	Quinta aum. +	34.283	51/32	416.925
52	LA#9	13603.2	6840.528	840.528	Sesta m	33.617	13/8	425.100
53	LA#9 +	13864.8	6873.505	873.505	Sesta m +	32.977	53/32	433.275
54	LA9	14126.4	6905.865	905.865	Sesta M	32.360	27/16	441.450
55	LA#9 -	14388	6937.632	937.632	Sesta aum. -	31.767	55/32	449.625
56	SIb9	14649.6	6968.826	968.826	Settima m	31.194	7/4	457.800
57	LA#9 +	14911.2	6999.468	999.468	Sesta aum. +	30.642	57/32	465.975
58	SIb9 +	15172.8	7029.577	1029.577	Settima m +	30.109	29/16	474.150
59	SIb9 ++	15434.4	7059.172	1059.172	Settima m ++	29.594	59/32	482.325
60	SI9	15696	7088.269	1088.269	Settima M	29.097	15/8	490.500
61	SI#9 -	15957.6	7116.885	1116.885	Settima aum. +	28.616	61/32	498.675
62	DOb9	16219.2	7145.036	1145.036	Ottava dim.	28.151	31/16	506.850
63	DOb9 +	16480.8	7172.736	1172.736	Ottava dim. +	27.700	63/32	515.025
64	DO10	16742.4	7200.000	1200.000	Ottava	27.264	1/1	523.200

SUCCESSIONE CROMATICA SUONI NATURALI			
Nota appr.	Ridotti	Dc progressivi	Dc due a due
DO4	261.6	0.000	
DO#4	269.775	53.273	53.273
REb4	277.95	104.955	51.682
RE4	294.3	203.910	98.955
RE#4	302.475	251.344	47.434
MIb4	310.65	297.513	46.169
MI4	327	386.314	88.801
MI#4	335.175	429.062	42.749
FA4	343.35	470.781	41.719
FA#4	359.7	551.318	80.537
SOLb4	376.05	628.274	76.956
SOL4	392.4	701.955	73.681
SOL#4	408.75	772.627	70.672
LAAb4	425.1	840.528	67.900
LA4	441.45	905.865	65.337
SIb4	457.8	968.826	62.961
SI4	490.5	1088.269	119.443
DOb4	506.85	1145.036	56.767
DO5	523.2	1200.000	54.964

SUCCESSIONE NATURALE RIDOTTA ENTRO L'OTTAVA 4				
Nota appr.	Ridotti	Dc progressivi	Dc due a due	Rapporti
DO4	261.6	0.000		1/1
DO#4	269.775	53.273	53.273	33/32
REb4	277.95	104.955	51.682	17/16
<i>RE4 -</i>	<i>286.125</i>	<i>155.140</i>	50.184	<i>35/32</i>
RE4	294.3	203.910	48.770	9/8
RE#4	302.475	251.344	47.434	37/32
Mlb4	310.65	297.513	46.169	19/16
<i>Mlb4 +</i>	<i>318.825</i>	<i>342.483</i>	44.970	<i>39/32</i>
MI4	327	386.314	43.831	5/4
MI#4	335.175	429.062	42.749	41/32
FA4	343.35	470.781	41.719	21/16
<i>FA#4 -</i>	<i>351.525</i>	<i>511.518</i>	40.737	<i>43/32</i>
FA#4	359.7	551.318	39.800	11/8
<i>FA#4 +</i>	<i>367.875</i>	<i>590.224</i>	38.906	<i>45/32</i>
SOLb4	376.05	628.274	38.051	23/16
<i>SOLb4 +</i>	<i>384.225</i>	<i>665.507</i>	37.232	<i>47/32</i>
SOL4	392.4	701.955	36.448	3/2
<i>SOL#4 -</i>	<i>400.575</i>	<i>737.652</i>	35.697	<i>49/32</i>
SOL#4	408.75	772.627	34.976	25/16
<i>SOL#4 +</i>	<i>416.925</i>	<i>806.910</i>	34.283	<i>51/32</i>
LAB4	425.1	840.528	33.617	13/8
<i>LAB4 +</i>	<i>433.275</i>	<i>873.505</i>	32.977	<i>53/32</i>
LA4	441.45	905.865	32.360	27/16
<i>LA#4 -</i>	<i>449.625</i>	<i>937.632</i>	31.767	<i>55/32</i>
Slb4	457.8	968.826	31.194	7/4
<i>LA#4 +</i>	<i>465.975</i>	<i>999.468</i>	30.642	<i>57/32</i>
<i>Slb4 +</i>	<i>474.15</i>	<i>1029.577</i>	30.109	<i>29/16</i>
<i>Slb4 ++</i>	<i>482.325</i>	<i>1059.172</i>	29.594	<i>59/32</i>
SI4	490.5	1088.269	29.097	15/8
<i>SI#4 -</i>	<i>498.675</i>	<i>1116.885</i>	28.616	<i>61/32</i>
DOb4	506.85	1145.036	28.151	31/16
<i>DOb4 +</i>	<i>515.025</i>	<i>1172.736</i>	27.700	<i>63/32</i>
DO5	523.2	1200.000	27.264	2/1

INTERVALLI NELLA SUCCESSIONE NATURALE DEI SUONI					
Note	Intervalli	f_2/f_1	Rapporti	D cents	D da standard
FA8/MI8	Seconda m	1.05	21/20	84.46719346967760	-27.26409180010020
DO8/SI7	Seconda m	1.066667	16/15	111.73128526977800	0.00000000000000
(SIb8/LA8)	Seconda m	1.037037	28/27	62.96090387296260	-48.77038139681520
RE7/DO7	Seconda M	1.125	9/8	203.91000173077500	0.00000000000000
MI7/RE7	Seconda M	1.111111	10/9	182.40371213406000	-21.50628959671480
SOL8/FA8	Seconda M	1.142857	24/21=8/7	231.17409353087500	27.26409180010010
LA8/SOL8	Seconda M	1.125	27/24=9/8	203.91000173077500	0.00000000000000
SI8/LA8	Seconda M	1.111111	30/27=10/9	182.40371213406000	-21.50628959671480
SOL6/MI6	Terza m	1.2	6/5	315.64128700055300	0.00000000000000
MIb8/DO8	Terza m	1.1875	19/16	297.51301613230300	-18.12827086825020
FA8/RE8	Terza m	1.166667	21/18=7/6	266.87090560373800	-48.77038139681530
DO9/LA8	Terza m	1.185185	32/27	294.13499740383800	-21.50628959671520
MI6/DO6	Terza M	1.25	5/4	386.31371386483500	0.00000000000000
LA8/FA8	Terza M	1.285714	27/21=9/7	435.08409526165000	48.77038139681520
SI7/SOL7	Terza M	1.25	15/12=5/4	386.31371386483500	0.00000000000000
FA8/DO8	Quarta	1.3125	21/16	470.78090733451200	-27.26409180010040
SOL7/RE7	Quarta	1.333333	12/9=4/3	498.04499913461300	0.00000000000000
LA8/MI8	Quarta	1.35	27/20	519.55128873132700	21.50628959671470
DO6/SOL5	Quarta	1.333333	4/3	498.04499913461200	0.00000000000000
SOL5/DO5	Quinta	1.5	3/2	701.95500086538700	0.00000000000000
LA8/RE8	Quinta	1.5	27/18=3/2	701.95500086538700	0.00000000000000
SI7/MI7	Quinta	1.5	15/10=3/2	701.95500086538800	0.00000000000000
DO9/FA8	Quinta	1.52381	32/21	729.21909266548800	27.26409180010010
DO7/MI6	Sesta m	1.6	8/5	813.68628613516500	0.00000000000000
(LAb8/DO8)	Sesta m	1.625	26/16=13/8	840.52766176931100	26.84137563414540
LA8/DO8	Sesta M	1.6875	27/16	905.86500259616200	21.50628959671490
SI7/RE7	Sesta M	1.666667	15/9=5/3	884.35871299944700	0.00000000000000
DO8/RE7	Settima m	1.777778	16/9	996.08999826922500	0.00000000000000
SIb6/DO6	Settima m	1.75	7/4	968.82590646912500	-27.26409180010030
SI7/DO7	Settima M	1.875	15/8	1088.26871473022000	0.00000000000000
SI8/FA8	Quarta aum.	1.428571	30/21	617.48780739571000	

SCALA PITAGORICA CROMATICA						
Note	f _p	f _p /f _{p1}	C-C ₁	f _{i+1} /f _i	C _{i+1} -C _i	Rapporti
DO4	261.600	1.000	0.000			1/1
REb4	275.595	1.053	90.225	1.053	90.225	2 ³ *2 ⁵ /3 ⁵
DO#4	279.355	1.068	113.685	1.014	23.460	3 ⁷ /2 ¹¹
RE4	294.300	1.125	203.910	1.053	90.225	3²/2³
Mib4	310.044	1.185	294.135	1.053	90.225	2 ² *2 ³ /3 ³
RE#4	314.274	1.201	317.595	1.014	23.460	3 ⁹ /2 ¹⁴
FAb4	326.631	1.249	384.360	1.039	66.765	2 ⁵ *2 ⁸ /3 ⁸
MI4	331.088	1.266	407.820	1.014	23.460	3⁴/2⁶
FA4	348.800	1.333	498.045	1.053	90.225	2*2/3
MI#4	353.559	1.352	521.505	1.014	23.460	3 ¹¹ /2 ¹⁷
SOLb4	367.460	1.405	588.270	1.039	66.765	2 ⁴ *2 ⁶ /3 ⁶
FA#4	372.473	1.424	611.730	1.014	23.460	3 ⁶ /2 ⁹
SOL4	392.400	1.500	701.955	1.053	90.225	3/2
LAB4	413.393	1.580	792.180	1.053	90.225	2 ³ *2 ⁴ /3 ⁴
SOL#4	419.033	1.602	815.640	1.014	23.460	3 ⁸ /2 ¹²
LA4	441.450	1.688	905.865	1.053	90.225	3³/2⁴
Slb4	465.067	1.778	996.090	1.053	90.225	2²*2²/3²
LA#4	471.412	1.802	1019.550	1.014	23.460	3 ¹⁰ /2 ¹⁵
DOb5	489.947	1.873	1086.315	1.039	66.765	2 ⁵ *2 ⁷ /3 ⁷
SI4	496.631	1.898	1109.775	1.014	23.460	3⁵/2⁷
SI#4	530.338	2.027	1223.460	1.068	113.685	3 ¹² /2 ¹⁸
DO5	523.200	2.000	1200.000	0.987	-23.460	2/1

SCALA CROMATICA ZARLINIANA

Note	f	Rapporti	DC	$C_{i+1}-C_i$	Rapporti
DO4	261.6	1/1	0.00000000000000		
DO#4	272.5	25/24	70.67242686428230	70.67242686	25/24
REb4	282.528	27/25	133.23757486649300	62.565148	648/625
RE4	294.3	9/8	203.91000173077500	70.67242686	25/24
RE#4	306.5625	75/64	274.58242859505700	70.67242686	25/24
Mib4	313.92	6/5	315.64128700055300	41.05885841	128/125
MI4	327	5/4	386.31371386483500	70.67242686	25/24
FAb4	334.848	32/25	427.37257227033000	41.05885841	128/125
MI#4	340.625	125/96	456.98614072911700	29.61356846	125/64
FA4	348.8	4/3	498.04499913461200	41.05885841	128/125
FA#4	363.3333333	25/18	568.71742599889500	70.67242686	25/24
SOLb4	376.704	36/25	631.28257400110500	62.565148	648/625
SOL4	392.4	3/2	701.95500086538700	70.67242686	25/24
SOL#4	408.75	25/16	772.62742772967000	70.67242686	25/24
LA#4	418.56	8/5	813.68628613516500	41.05885841	128/125
LA4	436	5/3	884.35871299944700	70.67242686	25/24
LA#4	454.1666667	125/72	955.03113986373000	70.67242686	25/24
SIb4	470.88	9/5	1017.59628786594000	62.565148	648/625
SI4	490.5	15/8	1088.26871473022000	70.67242686	25/24
DOb4	502.272	48/25	1129.32757313572000	41.05885841	128/125
SI#4	510.9375	125/64	1158.94114159450000	29.61356846	125/64
DO5	523.2	2/1	1200.00000000000000	41.05885841	128/125

SCALA ZARLINIANA O DEI RAPPORTI SEMPLICI					
Note	Intervallo	Denominazione	f_2/f_1	Rapporti	D cents
MI4-FA4	Seconda m	Seconda m diatonica piccola	1.066666667	16/15	111.73128526977800
SI4-DO5	Seconda m	Seconda m diatonica piccola	1.066666667	16/15	111.73128526977800
Do4-RE4	Seconda M	Tono Grande (TG)	1.125	9/8	203.91000173077500
RE4-MI4	Seconda M	Tono Piccolo (TP)	1.111111111	10/9	182.40371213406000
FA4-SOL4	Seconda M	Tono Grande (TG)	1.125	9/8	203.91000173077500
SOL4-LA4	Seconda M	Tono Piccolo (TP)	1.111111111	10/9	182.40371213406000
LA4-SI4	Seconda M	Tono Grande (TG)	1.125	9/8	203.91000173077500
RE4-FA4	Terza m	Seconda m + TP	1.185185185	32/27	294.13499740383800
MI4-SOL4	Terza m	Seconda m + TG	1.2	6/5	315.64128700055300
LA4-DO4	Terza m	Seconda m + TG	1.2	6/5	315.64128700055300
DO4-MI4	Terza M	TG + TP	1.25	5/4	386.31371386483500
FA4-LA4	Terza M	TG + TP	1.25	5/4	386.31371386483500
SOL4-SI4	Terza M	TG + TP	1.25	5/4	386.31371386483500
DO4-FA4	Quarta	Seconda m + TG + TP	1.333333333	4/3	498.04499913461200
RE4-SOL4	Quarta	Seconda m + TG + TP	1.333333333	4/3	498.04499913461300
MI4-LA4	Quarta	Seconda m + TG + TP	1.333333333	4/3	498.04499913461200
(FA4-SI4)	(Quarta aum.)	TG + TG + TP	1.40625	45/32	590.22371559561000
SOL4-DO5	Quarta	Seconda m + TG + TP	1.333333333	4/3	498.04499913461200
DO4-SOL4	Quinta	2xTG + TP + Seconda m	1.5	3/2	701.95500086538700
RE4-LA4	Quinta	TG + 2xTP + Seconda m	1.481481481	40/27	680.44871126867200
MI4-SI4	Quinta	2xTG + TP + Seconda m	1.5	3/2	701.95500086538800
FA4-DO4	Quinta	2xTG + TP + Seconda m	1.5	3/2	701.95500086538700
MI4-DO5	Sesta m	2xTG + TP + 2xSeconda m	1.6	8/5	813.68628613516500
DO4-LA4	Sesta M	2xTG + 2xTP + Seconda m	1.666666667	5/3	884.35871299944700
RE4-SI4	Sesta M	2xTG + 2xTP + Seconda m	1.666666667	5/3	884.35871299944700
RE4-DO5	Settima m	2xTG + 2xTP + 2xSeconda m	1.777777778	16/9	996.08999826922500
DO4-SI4	Settima M	3xTG + 2xTP + Seconda m	1.875	15/8	1088.26871473022000
DO4-DO5	Ottava	3xTG + 2xTP + 2xSeconda m	2	2/1	1200.00000000000000

INTERVALLI ZARLINIANI PICCOLI		
DO-DO#	70.67242686428230	ACZ
DO-REb	133.23757486649300	Seconda mdg
DO#-REb	62.56514800221030	CMAX
DO#-RE	133.23757486649200	Seconda mdg
REb-RE	70.67242686428230	ACZ
RE-RE#	70.67242686428200	ACZ
RE-MIb	111.73128526977800	Seconda mdp
RE#-MIb	41.05885840549560	CD
RE#-MI	111.73128526977800	Seconda mdp
MIb-MI	70.67242686428200	ACZ
MI-FA	111.73128526977800	Seconda mdp
MI-MI#	70.67242686428230	ACZ
MI-FAb	41.05885840549560	CD
MI#-FAb	29.61356845878680	C30
MI#-FA	41.05885840549520	CD
FAb-FA	70.67242686428230	ACZ
FA-FA#	70.67242686428230	ACZ
FA-SOLb	133.23757486649300	Seconda mdg
FA#-SOLb	62.56514800221030	CMAX
FA#-SOL	133.23757486649300	Seconda mdg
SOLb-SOL	70.67242686428230	ACZ
SOL-SOL#	70.67242686428230	ACZ
SOL-LAb	111.73128526977800	Seconda mdp
SOL#-LAb	41.05885840549560	CD
SOL#-LA	111.73128526977700	Seconda mdp
LAb-LA	70.67242686428200	ACZ
LA-LA#	70.67242686428230	ACZ
LA-SIb	133.23757486649300	Seconda mdg
LA#-SIb	62.56514800220990	CMAX
LA#-SI	133.23757486649200	Seconda mdg
SIb-SI	70.67242686428230	ACZ
SI-DO	111.73128526977800	Seconda mdp
SI-DOb	41.05885840549560	CD
SI#-DOb	29.61356845878680	C30
SI#-DO	41.05885840549560	CD
SIb-SI	70.67242686428230	ACZ

INTERVALLI ORDINATI DELLA SCALA CROMATICA PITAGORICA				
Note	Intervalli	f_2/f_1	Rapporti	D cents
REb4-DO#4	Comma Pitagorico	1.01364326477051	$3^{12}/2^{19}$	23.46001038464860
FAb4-MI4	Comma Pitagorico	1.01364326477050	$3^{12}/2^{19}$	23.46001038464900
FA4-MI#4	Comma Pitagorico	1.01364326477050	$3^{12}/2^{19}$	23.46001038464900
SOLb4-FA#4	Comma Pitagorico	1.01364326477051	$3^{12}/2^{19}$	23.46001038464940
LAAb4-SOL#4	Comma Pitagorico	1.01364326477050	$3^{12}/2^{19}$	23.46001038464900
SIb4-LA#4	Comma Pitagorico	1.01364326477051	$3^{12}/2^{19}$	23.46001038464940
DO5-SI#4	Comma Pitagorico	1.01364326477050	$3^{12}/2^{19}$	23.46001038464900
MI4-FA4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306270
SI4-DO5	Limma	1.05349794238683	$2^8/3^5$	90.22499567306300
DO4-REb4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306300
DO#4-RE4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306270
MI#4-FA#4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306300
Mlb4-FAb4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306300
FA4-SOLb4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306270
FA#4-SOL	Limma	1.05349794238683	$2^8/3^5$	90.22499567306270
SOL4-LAb4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306300
SOL#4-LA4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306300
LA4-SIb4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306270
LA#4-SI4	Limma	1.05349794238683	$2^8/3^5$	90.22499567306270
SIb4-DOb5	Limma	1.05349794238683	$2^8/3^5$	90.22499567306300
DO4-DO#4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
REb4-RE4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
FAb4-FA4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
MI4-MI#4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
Mlb4-MI4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
FA4-FA#4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
SOLb4-SOL4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
SOL4-SOL#4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
LAAb4-LA4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
LA4-LA#4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
SIb4-SI4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
DOb5-DO5	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
SI4-SI#4	Apotome	1.06787109375000	$3^7/2^{11}$	113.68500605771200
FAb4-MI#4	Apotome+CP	1.08244034182280	$3^{19}/2^{30}$	137.14501644236100
DOb5-SI#4	Apotome+CP	1.08244034182280	$3^{19}/2^{30}$	137.14501644236100
REb4-RE#4	2xApotome	1.14034867286682	$3^{14}/2^{22}$	227.37001211542400
Mlb4-MI#4	2xApotome	1.14034867286682	$3^{14}/2^{22}$	227.37001211542400
SOLb4-SOL#4	2xApotome	1.14034867286682	$3^{14}/2^{22}$	227.37001211542400
LAAb4-LA#4	2xApotome	1.14034867286682	$3^{14}/2^{22}$	227.37001211542400
SIb4-SI#4	2xApotome	1.14034867286682	$3^{14}/2^{22}$	227.37001211542400
DO4-RE4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
RE4-MI4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
FA4-SOL4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
SOL4-LA4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
LA4-SI4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
DO#4-RE#4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
REb4-MIb4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077400
RE#4-MI#4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
FA#4-SOL#4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
FAb4-SOLb4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077400
SOL#4-LA#4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
SOLb4-LAb4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
LA#4-SI#4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
LAAb4-SIb4	Seconda M	1.12500000000000	$3^2/2^3$	203.91000173077500
DO4-MIb4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
DO#4-MI4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
RE4-FA4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
RE#4-FA#4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
REb4-FAb4	Terza m	1.18518518518518	$2^5/3^3$	294.13499740383700
Mlb4-SOLb4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
MI4-SOL4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
MI#4-SOL#4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
FA4-LAb4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
FA#4-LA4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
SOL4-SIb4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
SOL#4-SI4	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
LA4-DO5	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800
LAAb4-DOb5	Terza m	1.18518518518519	$2^5/3^3$	294.13499740383800

INTERVALLI ORDINATI DELLA SCALA CROMATICA PITAGORICA				
Note	Intervalli	f_2/f_1	Rapporti	D cents
DO4-MI4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
DO#4-MI#4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
RE4-FA#4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
REb4-FA4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346154900
MIb4-SOL4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
MI4-SOL#4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
FA4-LA4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
FAb4-LAb4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
FA#4-LA#4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
SOL4-SI4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
SOLb4-SIb4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
SOL#4-SI#4	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
LAB4-DO5	Terza M	1.26562500000000	$3^4/2^6$	407.82000346155000
DO4-FA4	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
DO#4-FA#4	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
RE4-SOL4	Quarta	1.33333333333333	$2^2/3$	498.04499913461300
REb4-SOLb4	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
RE#4-SOL#4	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
MI4-LA4	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
MIb4-LAb4	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
MI#4-LA#4	Quarta	1.33333333333333	$2^2/3$	498.04499913461300
FA4-SIb4	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
FA#4-SI4	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
SOL4-DO5	Quarta	1.33333333333333	$2^2/3$	498.04499913461200
SOLb4-DOb5	Quarta	1.33333333333333	$2^2/3$	498.04499913461300
DO4-SOL4	Quinta	1.50000000000000	$3/2$	701.95500086538700
DO#4-SOL#4	Quinta	1.50000000000000	$3/2$	701.95500086538700
RE4-LA4	Quinta	1.50000000000000	$3/2$	701.95500086538700
REb4-LAb4	Quinta	1.50000000000000	$3/2$	701.95500086538700
RE#4-LA#4	Quinta	1.50000000000000	$3/2$	701.95500086538700
MI4-SI4	Quinta	1.50000000000000	$3/2$	701.95500086538700
MIb4-SIb4	Quinta	1.50000000000000	$3/2$	701.95500086538700
MI#4-SI#4	Quinta	1.50000000000000	$3/2$	701.95500086538800
FA4-DO5	Quinta	1.50000000000000	$3/2$	701.95500086538700
FAb4-DOb5	Quinta	1.50000000000000	$3/2$	701.95500086538700
DO4-LAb4	Sesta m	1.58024691358025	$2^7/3^4$	792.17999653845000
DO#4-LA4	Sesta m	1.58024691358025	$2^7/3^4$	792.17999653845000
RE4-SIb4	Sesta m	1.58024691358025	$2^7/3^4$	792.17999653845000
RE#4-SI4	Sesta m	1.58024691358025	$2^7/3^4$	792.17999653845000
MI4-DO5	Sesta m	1.58024691358025	$2^7/3^4$	792.17999653845000
MIb4-DOb5	Sesta m	1.58024691358025	$2^7/3^4$	792.17999653845000
DO4-LA4	Sesta M	1.68750000000000	$3^3/2^4$	905.86500259616200
DO#4-LA#4	Sesta M	1.68750000000000	$3^3/2^4$	905.86500259616200
RE4-SI4	Sesta M	1.68750000000000	$3^3/2^4$	905.86500259616200
REb4-SIb4	Sesta M	1.68750000000000	$3^3/2^4$	905.86500259616200
RE#4-SI#4	Sesta M	1.68750000000000	$3^3/2^4$	905.86500259616200
MIb4-DO4	Sesta M	1.68750000000000	$3^3/2^4$	905.86500259616200
DO4-SIb4	Settima m	1.77777777777778	$2^4/3^2$	996.08999826922500
DO#4-SI4	Settima m	1.77777777777778	$2^4/3^2$	996.08999826922500
RE4-DO5	Settima m	1.77777777777778	$2^4/3^2$	996.08999826922500
DO4-SI4	Settima M	1.89843750000000	$3^5/2^7$	1109.77500432694000
DO#4-SI#4	Settima M	1.89843750000000	$3^5/2^7$	1109.77500432694000

INTERVALLI ORDINATI DELLA SCALA CROMATICA ZARLINIANA				
Note	Intervalli	f_2/f_1	Rapporti	D cents
FAb4-MI#4	C30	1.01725260416667	125/64	29.61356845878680
DOb5-SI#4	C30	1.01725260416667	125/64	29.61356845878680
MI4-FAb4	CD	1.02400000000000	128/125	41.05885840549560
MI#4-FA4	CD	1.02400000000000	128/125	41.05885840549520
SOL#4-LAb4	CD	1.02400000000000	128/125	41.05885840549560
SI#4-DO5	CD	1.02400000000000	128/125	41.05885840549560
DO#4-Reb4	CMAX	1.03680000000000	648/625	62.56514800221030
FA#4-SOLb4	CMAX	1.03680000000000	648/625	62.56514800221030
SIb4-LA#4	CMAX	1.03680000000000	648/625	62.56514800220990
DO4-DO#4	ACZ	1.04166666666667	25/24	70.67242686428230
REb4-RE4	ACZ	1.04166666666667	25/24	70.67242686428230
FAb4-FA4	ACZ	1.04166666666667	25/24	70.67242686428230
MI4-MI#4	ACZ	1.04166666666667	25/24	70.67242686428230
Mib4-MI4	ACZ	1.04166666666667	25/24	70.67242686428200
FA4-FA#4	ACZ	1.04166666666667	25/24	70.67242686428230
SOLb4-SOL4	ACZ	1.04166666666667	25/24	70.67242686428230
SOL4-SOL#4	ACZ	1.04166666666667	25/24	70.67242686428230
LAB4-LA4	ACZ	1.04166666666667	25/24	70.67242686428200
LA4-LA#4	ACZ	1.04166666666667	25/24	70.67242686428230
SIb4-SI4	ACZ	1.04166666666667	25/24	70.67242686428230
DOb5-DO5	ACZ	1.04166666666667	25/24	70.67242686428230
SI4-SI#4	ACZ	1.04166666666667	25/24	70.67242686428230
MI4-FA4	Seconda mdp	1.06666666666667	16/15	111.73128526977800
SI4-DO5	Seconda mdp	1.06666666666667	16/15	111.73128526977800
SOL4-LAb4	Seconda mdp	1.06666666666667	16/15	111.73128526977800
SOL#4-LA4	Seconda mdp	1.06666666666667	16/15	111.73128526977700
MI#4-FA#4	Seconda mdp	1.06666666666667	16/15	111.73128526977800
Mib4-FAb4	Seconda mdp	1.06666666666667	16/15	111.73128526977800
SIb4-DOb5	Seconda mdp	1.06666666666667	16/15	111.73128526977800
DO4-REb4	Seconda mdg	1.08000000000000	81/75	133.23757486649300
DO#4-RE4	Seconda mdg	1.08000000000000	81/75	133.23757486649200
FA4-SOLb4	Seconda mdg	1.08000000000000	81/75	133.23757486649300
FA#4-SOL	Seconda mdg	1.08000000000000	81/75	133.23757486649300
LA4-SIb4	Seconda mdg	1.08000000000000	81/75	133.23757486649300
LA#4-SI4	Seconda mdg	1.08000000000000	81/75	133.23757486649200
REb4-RE#4	2xACZ	1.08506944444444	625/576	141.34485372856400
Mib4-MI#4	2xACZ	1.08506944444444	625/576	141.34485372856500
SOLb4-SOL#4	2xACZ	1.08506944444444	625/576	141.34485372856500
LAB4-LA#4	2xACZ	1.08506944444444	625/576	141.34485372856400
SIb4-SI#4	2xACZ	1.08506944444444	625/576	141.34485372856500
RE4-MI4	TP	1.11111111111111	10/9	182.40371213406000
SOL4-LA4	TP	1.11111111111111	10/9	182.40371213406000
REb4-Mib4	TP	1.11111111111111	10/9	182.40371213406000
RE#4-MI#4	TP	1.11111111111111	10/9	182.40371213406000
SOL#4-LA#4	TP	1.11111111111111	10/9	182.40371213406000
SOLb4-LAb4	TP	1.11111111111111	10/9	182.40371213406000
DO4-RE4	TG	1.12500000000000	9/8	203.91000173077500
FA4-SOL4	TG	1.12500000000000	9/8	203.91000173077500
LA4-SI4	TG	1.12500000000000	9/8	203.91000173077500
DO#4-RE#4	TG	1.12500000000000	9/8	203.91000173077400
FA#4-SOL#4	TG	1.12500000000000	9/8	203.91000173077500
FAb4-SOLb4	TG	1.12500000000000	9/8	203.91000173077500
LA#4-SI#4	TG	1.12500000000000	9/8	203.91000173077500
LAB4-SIb4	TG	1.12500000000000	9/8	203.91000173077400
RE4-FA4	Terza mp	1.18518518518519	32/27	294.13499740383800
RE#4-FA#4	Terza mp	1.18518518518519	32/27	294.13499740383800
REb4-FAb4	Terza mp	1.18518518518519	32/27	294.13499740383800
DO4-Mib4	Terza m	1.20000000000000	6/5	315.64128700055300
DO#4-MI4	Terza m	1.20000000000000	6/5	315.64128700055200
Mib4-SOLb4	Terza m	1.20000000000000	6/5	315.64128700055300
MI4-SOL4	Terza m	1.20000000000000	6/5	315.64128700055300
MI#4-SOL#4	Terza m	1.20000000000000	6/5	315.64128700055300
FA4-LAb4	Terza m	1.20000000000000	6/5	315.64128700055300
FA#4-LA4	Terza m	1.20000000000000	6/5	315.64128700055300
SOL4-SIb4	Terza m	1.20000000000000	6/5	315.64128700055300
SOL#4-SI4	Terza m	1.20000000000000	6/5	315.64128700055300
LA4-DO5	Terza m	1.20000000000000	6/5	315.64128700055300
LAB4-DOb5	Terza m	1.20000000000000	6/5	315.64128700055300

INTERVALLI ORDINATI DELLA SCALA CROMATICA ZARLINIANA				
Note	Intervalli	f_2/f_1	Rapporti	D cents
RE4-FA#4	Terza MP	1.23456790123457	100/81	364.80742426812000
REb4-FA4	Terza MP	1.23456790123457	100/81	364.80742426812000
DO4-MI4	Terza M	1.25000000000000	5/4	386.31371386483500
DO#4-MI#4	Terza M	1.25000000000000	5/4	386.31371386483500
MIb4-SOL4	Terza M	1.25000000000000	5/4	386.31371386483500
MI4-SOL#4	Terza M	1.25000000000000	5/4	386.31371386483500
FA4-LA4	Terza M	1.25000000000000	5/4	386.31371386483500
FAb4-LAb4	Terza M	1.25000000000000	5/4	386.31371386483500
FA#4-LA#4	Terza M	1.25000000000000	5/4	386.31371386483500
SOL4-SI4	Terza M	1.25000000000000	5/4	386.31371386483500
SOLb4-SIb4	Terza M	1.25000000000000	5/4	386.31371386483500
SOL#4-SI#4	Terza M	1.25000000000000	5/4	386.31371386483500
LAB4-DO5	Terza M	1.25000000000000	5/4	386.31371386483500
DO4-FA4	Quarta	1.33333333333333	4/3	498.04499913461200
DO#4-FA#4	Quarta	1.33333333333333	4/3	498.04499913461200
RE4-SOL4	Quarta	1.33333333333333	4/3	498.04499913461300
REb4-SOLb4	Quarta	1.33333333333333	4/3	498.04499913461200
RE#4-SOL#4	Quarta	1.33333333333333	4/3	498.04499913461300
MI4-LA4	Quarta	1.33333333333333	4/3	498.04499913461200
MIb4-LAb4	Quarta	1.33333333333333	4/3	498.04499913461300
MI#4-LA#4	Quarta	1.33333333333333	4/3	498.04499913461200
SOL4-DO5	Quarta	1.33333333333333	4/3	498.04499913461200
SOLb4-DOb5	Quarta	1.33333333333333	4/3	498.04499913461300
FA4-SIb4	Quarta G	1.35000000000000	27/20	519.55128873132700
FA#4-SI4	Quarta G	1.35000000000000	27/20	519.55128873132700
RE4-LA4	Quinta P	1.48148148148148	40/27	680.44871126867200
REb4-LAb4	Quinta P	1.48148148148148	40/27	680.44871126867300
RE#4-LA#4	Quinta P	1.48148148148148	40/27	680.44871126867300
DO4-SOL4	Quinta	1.50000000000000	3/2	701.95500086538700
DO#4-SOL#4	Quinta	1.50000000000000	3/2	701.95500086538700
MI4-SI4	Quinta	1.50000000000000	3/2	701.95500086538800
MIb4-SIb4	Quinta	1.50000000000000	3/2	701.95500086538700
MI#4-SI#4	Quinta	1.50000000000000	3/2	701.95500086538700
FA4-DO5	Quinta	1.50000000000000	3/2	701.95500086538700
FAb4-DOb5	Quinta	1.50000000000000	3/2	701.95500086538700
DO4-LAb4	Sesta m	1.60000000000000	8/5	813.68628613516500
DO#4-LA4	Sesta m	1.60000000000000	8/5	813.68628613516500
RE4-SIb4	Sesta m	1.60000000000000	8/5	813.68628613516500
RE#4-SI4	Sesta m	1.60000000000000	8/5	813.68628613516500
MI4-DO5	Sesta m	1.60000000000000	8/5	813.68628613516500
MIb4-DOb5	Sesta m	1.60000000000000	8/5	813.68628613516500
DO4-LA4	Sesta M	1.66666666666667	5/3	884.35871299944700
DO#4-LA#4	Sesta M	1.66666666666667	5/3	884.35871299944700
RE4-SI4	Sesta M	1.66666666666667	5/3	884.35871299944700
REb4-SIb4	Sesta M	1.66666666666667	5/3	884.35871299944700
RE#4-SI#4	Sesta M	1.66666666666667	5/3	884.35871299944800
MIb4-DO4	Sesta M	1.66666666666667	5/3	884.35871299944700
RE4-DO5	Settima mp	1.77777777777778	16/9	996.08999826922500
DO4-SIb4	Settima m	1.80000000000000	9/5	1017.59628786594000
DO#4-SI4	Settima m	1.80000000000000	9/5	1017.59628786594000
DO4-SI4	Settima M	1.87500000000000	15/8	1088.26871473022000
DO#4-SI#4	Settima M	1.87500000000000	15/8	1088.26871473022000

COMMI NOTEVOLI

Denominazione	D cent	Rapporti	Costruzione	Abbreviazione
Tono Grande	203.91000173077500	9/8		TG
Tono Piccolo	182.40371213406000	10/9		TP
2 ^a minore diatonica grande	133.23757486649300	81/75	2 ^a mdp + CS	2 ^a mdg
Apotome	113.68500605771200	2187/2048		
2 ^a minore diatonica piccola	111.73128526977800	16/15		2 ^a mdp
<i>2^a minore diatonica diminuita</i>	<i>92.17871646099710</i>	<i>135/128</i>	<i>TG - 2^a mdp</i>	<i>2^a mdd</i>
Limma	90.22499567306300	256/243	TP - 2 ^a mdd; 2 ^a mdp - CS	
Alterazione cromatica zarliniana	70.67242686428230	25/24	TG - 2 ^a mdg; TP - 2 ^a mdp	ACZ
<i>Comma maximo</i>	<i>62.56514800221030</i>	<i>648/625</i>	<i>TG - 2xACZ</i>	<i>CMAX</i>
	<i>48.77038139680480</i>		<i>CE+CS</i>	
Comma diesis	41.05885840549560	128/125	TP - 2xACZ	CD
<i>Comma trenta</i>	<i>29.61356845878670</i>	<i>125/64</i>	<i>ACZ - CD</i>	<i>C30</i>
<i>Comma epitónico</i>	<i>27.26409180009000</i>	<i>64/63</i>		<i>CE</i>
Comma pitagorico (ditonico)	23.46001038464900	531441/524288	Apotome -Limma	CP
Comma sintonico	21.50628959671480	81/80	TG - TP; CMAX - CD	CS
	<i>17.59884802084660</i>		<i>CD - CP</i>	
<i>Diaschisma</i>	<i>19.55256880878070</i>	<i>2048/2025</i>	<i>Limma -ACZ</i>	<i>DS</i>
<i>Comma otto (Commino)</i>	<i>8.10727886207201</i>	<i>15625/15552</i>	<i>ACZ-CMAX</i>	<i>C8</i>
<i>Comma minimo</i>	<i>5.75780220337523</i>	<i>5120/5103</i>	<i>CE-CS</i>	<i>CMIN</i>
Schisma	1.95372078793425	32805/32768	CP-CS	

CONFRONTO FRA ARMONICI, PITAGORA E ZARLINO						
Nota appr.	Armonici	Temperato	Pitagora	T-A	P-A	T-P
DO4	0.00	0.00	0.00	0.00	0.00	0.00
REb4	104.96	99.19	90.22	-5.77	-14.73	8.96
DO#4	53.27	101.14	113.69	47.87	60.41	-12.55
RE4	203.91	200.33	203.91	-3.58	0.00	-3.58
Mlb4	297.51	299.51	294.13	2.00	-3.38	5.38
RE#4	251.34	301.47	317.60	50.12	66.25	-16.13
MI4	386.31	400.65	407.82	14.34	21.51	-7.17
FA4	470.78	499.84	498.04	29.06	27.26	1.79
MI#4	429.06	505.38	521.51	76.31	92.44	-16.13
SOLb4	628.27	599.02	588.27	-29.25	-40.00	10.75
FA#4	551.32	600.98	611.73	49.66	60.41	-10.75
SOL4	701.96	700.16	701.96	-1.79	0.00	-1.79
LAB4	840.53	799.35	792.18	-41.18	-48.35	7.17
SOL#4	772.63	801.30	815.64	28.68	43.01	-14.34
LA4	905.87	900.49	905.87	-5.38	0.00	-5.38
Slb4	968.83	999.67	996.09	30.85	27.26	3.58
DOb4	1145.04	1097.07	1086.31	-47.97	-58.72	10.75
SI4	1088.27	1100.81	1109.78	12.55	21.51	-8.96
DO5	1200.00	1200.00	1200.00	0.00	0.00	0.00

CONFRONTO FRA SCALA PITAGORICA CROMATICA E SUCCESSIONE DEI SUONI NATURALI

Note	f _p	f _p /f _{p1}	C-C ₁	f _{i+1} /f _i	C _{i+1} -C _i	Rapporti	f _N	Rapporti	C-C ₁	f _p /f _N	C _P -C _N	Nota	f _N	Rapporti	C-C ₁	f _p /f _N	C _P -C _N
DO4	261.600	1.000	0.000			1/1	261.6	1/1	0	1	0	DO4	261.6	1/1	0	1	0
REb4	275.595	1.053	90.225	1.053	90.225	2 ³ *2 ⁵ /3 ⁵	277.95	17/16	104.95541	0.991527	-14.73041	REb4	269.775	17/16	53.27294	1.021574	36.95205
DO#4	279.355	1.068	113.685	1.014	23.460	3 ⁷ /2 ¹¹	269.775	33/32	53.272943	1.035511	60.41206	DO#4	277.95	33/32	104.9554	1.005055	8.729597
RE4	294.300	1.125	203.910	1.053	90.225	3 ² /2 ³	294.3	9/8	203.91	1	0	RE4	294.3	9/8	203.91	1	0
Mib4	310.044	1.185	294.135	1.053	90.225	2 ² *2 ³ /3 ³	310.65	19/16	297.51302	0.998051	-3.378019	Mib4	302.475	19/16	251.344	1.025025	42.79096
RE#4	314.274	1.201	317.595	1.014	23.460	3 ⁹ /2 ¹⁴	302.475	37/32	251.34404	1.03901	66.25097	RE#4	310.65	37/32	297.513	1.011667	20.08199
FAb4	326.631	1.249	384.360	1.039	66.765	2 ⁵ *2 ⁸ /3 ⁸						FAb4					
MI4	331.088	1.266	407.820	1.014	23.460	3 ⁴ /2 ⁶	327	5/4	386.31371	1.0125	21.50629	MI4	327	5/4	386.3137	1.0125	21.50629
FA4	348.800	1.333	498.045	1.053	90.225	2*2/3	343.35	21/16	470.78091	1.015873	27.26409	FA4	343.35	21/16	470.7809	1.015873	27.26409
MI#4	353.559	1.352	521.505	1.014	23.460	3 ¹¹ /2 ¹⁷						MI#4					
SOLb4	367.460	1.405	588.270	1.039	66.765	2 ⁴ *2 ⁶ /3 ⁶	376.05	23/16	628.27435	0.977158	-40.00435	SOLb4	359.7	23/16	551.3179	1.021574	36.95205
FA#4	372.473	1.424	611.730	1.014	23.460	3 ⁶ /2 ⁹	359.7	11/8	551.31794	1.035511	60.41206	FA#4	376.05	11/8	628.2743	0.990489	-16.54434
SOL4	392.400	1.500	701.955	1.053	90.225	3/2	392.4	3/2	701.955	1	0	SOL4	392.4	3/2	701.955	1	0
LAB4	413.393	1.580	792.180	1.053	90.225	2 ³ *2 ⁴ /3 ⁴	425.1	13/8	840.52766	0.97246	-48.34767	LAB4	408.75	13/8	772.6274	1.011358	19.55257
SOL#4	419.033	1.602	815.640	1.014	23.460	3 ⁸ /2 ¹²	408.75	25/16	772.62743	1.025156	43.01258	SOL#4	425.1	25/16	840.5277	0.985727	-24.88765
LA4	441.450	1.688	905.865	1.053	90.225	3 ³ /2 ⁴	441.45	27/16	905.865	1	0	LA4	441.45	27/16	905.865	1	0
Sib4	465.067	1.778	996.090	1.053	90.225	2 ² *2 ² /3 ²	457.8	7/4	968.82591	1.015873	27.26409	Sib4	457.8	7/4	968.8259	1.015873	27.26409
LA#4	471.412	1.802	1019.550	1.014	23.460	3 ¹⁰ /2 ¹⁵						LA#4					
DOb5	489.947	1.873	1086.315	1.039	66.765	2 ⁵ *2 ⁷ /3 ⁷	506.85	31/16	1145.0356	0.96665	-58.72058	DOb5	506.85	31/16	1145.036	0.96665	-58.72058
SI4	496.631	1.898	1109.775	1.014	23.460	3 ⁵ /2 ⁷	490.5	15/8	1088.2687	1.0125	21.50629	SI4	490.5	15/8	1088.269	1.0125	21.50629
SI#4	530.338	2.027	1223.460	1.068	113.685	3 ¹² /2 ¹⁸						SI#4					
DO5	523.200	2.000	1200.000	0.987	-23.460	2/1	523.2	2/1	1200	1	0	DO5	523.2	2/1	1200	1	0

CONFRONTO FRA LE ACCORDATURE PITAGORICA, ZARLINIANA E NATURALE

Note Pitagora	Intervalli P	Note Zarlino	Intervalli Z	Armonici	Intervalli N	f ₂ /f ₁	f ₃ /f ₁	f ₄ /f ₁	RP	RZ	RN	Cts P	Cts Z	CtsN	C _P -C _Z	Nome	C _P -C _N	Nome	C _Z -C _N	Nome	
M4-Fa4	Limma	M4-Fa4	Seconda mdp	M8-Fa8	Seconda m	1.053	1.067	1.050	2 ³ /3 ³	16/15	21/20	90.22	111.73	84.47	-21.51	CS	5.76	CMIN	0.00	27.26	CE
Si4-Do5	Limma	Si4-Do5	Seconda mdp	Si7-Do8	Seconda m	1.053	1.067	1.067	2 ³ /3 ³	16/15	16/15	90.22	111.73	111.73	-21.51	CS		CS	0.00		
DO4-DO#4	Apotome	DO4-DO#4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
DO4-REb4	Limma	DO4-REb4	Seconda mdg			1.053	1.080		2 ³ /3 ³	81/75		90.22	133.24		-43.01	2xCS					
DO#4-RE4	Limma	DO#4-RE4	Seconda mdg			1.053	1.080		2 ³ /3 ³	81/75		90.22	133.24		-43.01	2xCS					
REb4-RE4	Apotome	REb4-RE4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
REb4-DO#4	CP	DO#4-REb4	CMAX			1.014	1.037		3 ⁷ /2 ¹⁹	648/625		23.46	62.57		-39.11	CD-CP+CS					
REb4-RE#4	2xApotome	REb4-RE#4	2xACZ			1.140	1.085		3 ² /2 ¹¹	625/576		227.37	141.34		86.03						
FAb4-Fa4	Apotome	FAb4-Fa4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
FAb4-Mi4	CP	Mi4-FAb4	CD			1.014	1.024		3 ⁷ /2 ¹⁹	128/125		23.46	41.06		-17.60	CD-CP					
Fa4-Mi#4	CP	Mi#4-Fa4	CD			1.014	1.024		3 ⁷ /2 ¹⁹	128/125		23.46	41.06		-17.60	CD-CP					
FAb4-Mi#4	Apotome+CP	FAb4-Mi#4	C30			1.082	1.017		3 ¹⁹ /2 ⁵¹	125/64		137.15	29.61		107.53						
Mi4-Mi#4	Apotome	Mi4-Mi#4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
Mib4-Mi4	Apotome	Mib4-Mi4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
Mib4-Mi#4	2xApotome	Mib4-Mi#4	2xACZ			1.140	1.085		3 ² /2 ¹¹	625/576		227.37	141.34		86.03						
Fa4-Fa#4	Apotome	Fa4-Fa#4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
Fa4-SOLb4	Limma	Fa4-SOLb4	Seconda mdg			1.053	1.080		2 ³ /3 ³	81/75		90.22	133.24		-43.01	2xCS					
Fa#4-SOL	Limma	Fa#4-SOL	Seconda mdg			1.053	1.080		2 ³ /3 ³	81/75		90.22	133.24		-43.01	2xCS					
SOLb4-SOL4	Apotome	SOLb4-SOL4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
SOLb4-Fa#4	CP	Fa#4-SOLb4	CMAX			1.014	1.037		3 ⁷ /2 ¹⁹	648/625		23.46	62.57		-39.11	CD-CP+CS					
SOLb4-SOL#4	2xApotome	SOLb4-SOL#4	2xACZ			1.140	1.085		3 ² /2 ¹¹	625/576		227.37	141.34		86.03						
SOL4-SOL#4	Apotome	SOL4-SOL#4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
SOL4-LAb4	Limma	SOL4-LAb4	Seconda mdp			1.053	1.067		2 ³ /3 ³	16/15		90.22	111.73		-21.51	CS					
LAB4-LA4	Apotome	LAB4-LA4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
SOL#4-LA4	Limma	SOL#4-LA4	Seconda mdp			1.053	1.067		2 ³ /3 ³	16/15		90.22	111.73		-21.51	CS					
LAB4-SOL#4	CP	SOL#4-LAb4	CD			1.014	1.024		3 ⁷ /2 ¹⁹	128/125		23.46	41.06		-17.60	CD-CP					
LAB4-LA#4	2xApotome	LAB4-LA#4	2xACZ			1.140	1.085		3 ² /2 ¹¹	625/576		227.37	141.34		86.03						
LA4-LA#4	Apotome	LA4-LA#4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
LA4-Sib4	Limma	LA4-Sib4	Seconda mdg	(La8-Sib8)	Seconda m	1.053	1.080	1.037	2 ³ /3 ³	81/75	28/27	90.22	133.24	62.96	-43.01	2xCS		27.26	CE	70.28	
LA#4-Si4	Limma	LA#4-Si4	Seconda mdg			1.053	1.080		2 ³ /3 ³	81/75		90.22	133.24		-43.01	2xCS					
Sib4-Si4	Apotome	Sib4-Si4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
Sib4-LA#4	CP	Sib4-LA#4	CMAX			1.014	1.037		3 ⁷ /2 ¹⁹	648/625		23.46	62.57		-39.11	CD-CP+CS					
Sib4-Si#4	2xApotome	Sib4-Si#4	2xACZ			1.140	1.085		3 ² /2 ¹¹	625/576		227.37	141.34		86.03						
DOb5-DO5	Apotome	DOb5-DO5	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
DO5-Si#4	CP	Si#4-DO5	CD			1.014	1.024		3 ⁷ /2 ¹⁹	128/125		23.46	41.06		-17.60	CD-CP					
DOb5-Si#4	Apotome+CP	DOb5-Si#4	C30			1.082	1.017		3 ¹⁹ /2 ⁵¹	125/64		137.15	29.61		107.53						
Si4-Si#4	Apotome	Si4-Si#4	ACZ			1.068	1.042		3 ² /2 ¹¹	25/24		113.69	70.67		43.01	2xCS					
DO4-RE4	Seconda M	DO4-RE4	TG	DO7-RE7	Seconda M	1.125	1.125	1.125	3 ² /2 ¹¹	9/8	9/8	203.91	203.91	203.91	0.00		0.00		0.00		
RE4-Mi4	Seconda M	RE4-Mi4	TP	RE7-Mi7	Seconda M	1.125	1.111	1.111	3 ⁷ /2 ¹⁹	10/9	10/9	203.91	182.40	182.40	-21.51	CS	21.51	CS	0.00		
Fa4-SOL4	Seconda M	Fa4-SOL4	TG	Fa8-SOL8	Seconda M	1.125	1.125	1.143	3 ² /2 ¹¹	9/8	8/7	203.91	203.91	231.17	0.00		-27.26	CE	-27.26	CE	
SOL4-LA4	Seconda M	SOL4-LA4	TP	SOL8-LA8	Seconda M	1.125	1.111	1.125	3 ⁷ /2 ¹⁹	10/9	9/8	203.91	182.40	203.91	-21.51	CS	0.00	-21.51	CS		
LA4-Si4	Seconda M	LA4-Si4	TG	LA8-Si8	Seconda M	1.125	1.125	1.141	3 ² /2 ¹¹	9/8	10/9	203.91	203.91	182.40	0.00		21.51	CS	21.51	CS	
DO#4-RE#4	Seconda M	DO#4-RE#4	TG			1.125	1.125		3 ² /2 ¹¹	9/8		203.91	203.91		0.00						
REb4-Mib4	Seconda M	REb4-Mib4	TP			1.125	1.111		3 ⁷ /2 ¹⁹	10/9		203.91	182.40		21.51	CS					
RE#4-Mi#4	Seconda M	RE#4-Mi#4	TP			1.125	1.111		3 ⁷ /2 ¹⁹	10/9		203.91	182.40		21.51	CS					
Mi#4-FA#4	Limma	Mi#4-FA#4	Seconda mdp			1.053	1.067		2 ³ /3 ³	16/15		90.22	111.73		-21.51	CS					
Mib4-FAb4	Limma	Mib4-FAb4	Seconda mdp			1.053	1.067		2 ³ /3 ³	16/15		90.22	111.73		-21.51	CS					
FA#4-SOL#4	Seconda M	FA#4-SOL#4	TG			1.125	1.125		3 ² /2 ¹¹	9/8		203.91	203.91		0.00						
FAb4-SOLb4	Seconda M	FAb4-SOLb4	TP			1.125	1.125		3 ² /2 ¹¹	9/8		203.91	203.91		0.00						
SOL#4-LA#4	Seconda M	SOL#4-LA#4	TP			1.125	1.111		3 ⁷ /2 ¹⁹	10/9		203.91	182.40		21.51	CS					
SOLb4-LAb4	Seconda M	SOLb4-LAb4	TP			1.125	1.111		3 ⁷ /2 ¹⁹	10/9		203.91	182.40		21.51	CS					
LA#4-Si#4	Seconda M	LA#4-Si#4	TG			1.125	1.125		3 ² /2 ¹¹	9/8		203.91	203.91		0.00						
LAB4-SiB4	Seconda M	LAB4-SiB4	TG			1.125	1.125		3 ² /2 ¹¹	9/8		203.91	203.91		0.00						
Sib4-DOb5	Limma	Sib4-DOb5	Seconda mdp			1.053	1.067		2 ³ /3 ³	16/15		90.22	111.73		-21.51	CS					
DO4-Mib4	Terza m	DO4-Mib4	Terza m	DO8-Mib8	Terza m	1.185	1.200	1.188	2 ³ /3 ³	6/5	19/16	294.13	315.64	297.51	-21.51	CS	-3.38		18.13		
DO#4-Mi#4	Terza m	DO#4-Mi#4	Terza m			1.185	1.200		2 ³ /3 ³	6/5		294.13	315.64		-21.51	CS					
RE4-FA4	Terza m	RE4-FA4	Terza mp	RE8-FA8	Terza m	1.185	1.188	1.167	3 ² /2 ¹¹	32/27	7/6	294.13	294.13	266.87	0.00		27.26	CE	27.26	CE	
RE#4-FA#4	Terza m	RE#4-FA#4	Terza mp			1.185	1.188		2 ³ /3 ³	32/27		294.13	294.13		0.00						
REb4-FAb4	Terza m	REb4-FAb4	Terza mp			1.185	1.188		2 ³ /3 ³	32/27		294.13	294.13		0.00						
Mib4-SOLb4	Terza m	Mib4-SOLb4	Terza m			1.185	1.200		2 ³ /3 ³	6/5		294.13	315.64		-21.51						