

# ABAQUE DES ECHELLES DIVISANT L'AMBITUS ELARGI DE L'ETENDUE VOCALE DU CHOEUR A 13

(à la place de l'étendue chorale admise de 10 = 4000,1... cents = 252/25 <=> 3,33 8ves) IDENTIFIANT SES ÉCHELLES ACYCLIQUES NONOCTAVIANTES avec laquelle trop d'intervalles connus apparaissent

par mathius shadow-sky

rang	division	rapport racine	intervalle résultant en valeur linéaire	intervalle résultant en cent	remarques
0:	1	$1\sqrt{13}$	= 13	= 4440,52... cents	intervalle entre le 1er et le 13e harmonique
1:	2	$2\sqrt{13}$	= 3,60555	= 2220,26... cents	moitié
2:	3	$3\sqrt{13}$	= 2,35133	= 1480,17... cents	tier
3:	4	$4\sqrt{13}$	= 1,89883	= 1110,13... cents	quart
4:	5	$5\sqrt{13}$	= 1.67028	= 888,107... cents	div premiere 1/5e
5:	6	$6\sqrt{13}$	= 1.53341	= 740,09... cents	1/6e
6:	7	$7\sqrt{13}$	= 1.44256	= 634,35... cents	div premiere 1/7e
7:	8	$8\sqrt{13}$	= 1.37798	= 555,06... cents	
8:	9	$9\sqrt{13}$	= 1.329775	= 493,41... cents	
9:	10	$10\sqrt{13}$	= 1.29239	= 444,04... cents	
10:	11	$11\sqrt{13}$	= 1.26261	= 403,69... cents	proche OCTAVIANT 1211 cents et 3rce Majeure 400 cents. div premiere
11:	12	$12\sqrt{13}$	= 1.23831	= 370,04... cents	
12:	13	$13\sqrt{13}$	= 1.21811	= 341,57... cents	div premiere
13:	14	$14\sqrt{13}$	= 1.20107	= 317,18... cents	
14:	15	$15\sqrt{13}$	= 1.18649	= 296,03... cents	proche OCTAVIANT 1184,16 cents et 3rce mineure 300 cents. 4,32... tons/octave
15:	16	$16\sqrt{13}$	= 1.17387	= 277,52... cents	
considération de l'échelle à partir de cet intervalle					
16:	17	$17\sqrt{13}$	= 1.16286	= 261,21... cents	div premiere 4,59... tons/octave
17:	18	$18\sqrt{13}$	= 1.15315	= 246,69... cents	4,86... tons/octave
18:	19	$19\sqrt{13}$	= 1.14453	= 233,70... cents	div premiere 5,13... tons/octave
19:	20	$20\sqrt{13}$	= 1.13683	= 222,01... cents	
20:	21	$21\sqrt{13}$	= 1.12991	= 211,44... cents	
21:	22	$22\sqrt{13}$	= 1.12366	= 201,84... cents	proche OCTAVIANT 1211,05 cents et du TON égalisé à 200 cents
22:	23	$23\sqrt{13}$	= 1.11798	= 193,07... cents	div premiere
23:	24	$24\sqrt{13}$	= 1.11279	= 185,01... cents	
24:	25	$25\sqrt{13}$	= 1.10805	= 177,62... cents	
25:	26	$26\sqrt{13}$	= 1.10368	= 170,78... cents	proche OCTAVIANT 1195,52 cents
26:	27	$27\sqrt{13}$	= 1.09966	= 164,46... cents	
27:	28	$28\sqrt{13}$	= 1.09593	= 158,58... cents	
28:	29	$29\sqrt{13}$	= 1.09248	= 153,12... cents	div premiere
29:	30	$30\sqrt{13}$	= 1.08926	= 148,01... cents	
30:	31	$31\sqrt{13}$	= 1.08626	= 143,24... cents	div premiere
31:	32	$32\sqrt{13}$	= 1.08345	= 138,75... cents	
32:	33	$33\sqrt{13}$	= 1.08083	= 134,56... cents	proche OCTAVIANT 1211,05 cents
33:	34	$34\sqrt{13}$	= 1.07836	= 130,60... cents	
34:	35	$35\sqrt{13}$	= 1.07604	= 126,87... cents	
35:	36	$36\sqrt{13}$	= 1.07385	= 123,35... cents	
36:	37	$37\sqrt{13}$	= 1.07178	= 120,01... cents	<b>OCTAVIANTE</b> cyclique décatonique $10\sqrt{2} = 1,07177$ div. premiere
37:	38	$38\sqrt{13}$	= 1.06983	= 116,85... cents	
38:	39	$39\sqrt{13}$	= 1.06798	= 113,86... cents	
39:	40	$40\sqrt{13}$	= 1.06622	= 111,0061... cents	
40:	41	$41\sqrt{13}$	= 1.06456	= 108,30... cents	div premiere
41:	42	$42\sqrt{13}$	= 1.06297	= 105,72... cents	
42:	43	$43\sqrt{13}$	= 1.06146	= 103,26... cents	div premiere
43:	44	$44\sqrt{13}$	= 1.06003	= 100,92... cents	proche OCTAVIANT et du 1/2 ton égalisé = 1,05946 = 100 cents
44:	45	$45\sqrt{13}$	= 1.05865	= 98,67... cents	proche OCTAVIANT et du 1/2 ton égalisé = 1,05946 = 100 cents
45:	46	$46\sqrt{13}$	= 1.05734	= 96,52... cents	
46:	47	$47\sqrt{13}$	= 1.05609	= 94,47... cents	div premiere
47:	48	$48\sqrt{13}$	= 1.05489	= 92,51... cents	
48:	49	$49\sqrt{13}$	= 1.05374	= 90,62... cents	
49:	50	$50\sqrt{13}$	= 1.05264	= 88,81... cents	
50:	51	$51\sqrt{13}$	= 1.05158	= 87,07... cents	
51:	52	$52\sqrt{13}$	= 1.05056	= 85,39... cents	
52:	53	$53\sqrt{13}$	= 1.04959	= 83,79... cents	div premiere
53:	54	$54\sqrt{13}$	= 1.04865	= 82,23... cents	
54:	55	$55\sqrt{13}$	= 1.04774	= 80,73... cents	
55:	56	$56\sqrt{13}$	= 1.04687	= 79,29... cents	
56:	57	$57\sqrt{13}$	= 1.04603	= 77,90... cents	
57:	58	$58\sqrt{13}$	= 1.04522	= 76,56... cents	
58:	59	$59\sqrt{13}$	= 1.04443	= 75,25... cents	div premiere
59:	60	$60\sqrt{13}$	= 1.04368	= 74,01... cents	
60:	61	$61\sqrt{13}$	= 1.04294	= 72,78... cents	div premiere
61:	62	$62\sqrt{13}$	= 1.04224	= 71,62... cents	
62:	63	$63\sqrt{13}$	= 1.04155	= 70,47... cents	
63:	64	$64\sqrt{13}$	= 1.04089	= 69,38... cents	
64:	65	$65\sqrt{13}$	= 1.04025	= 68,31... cents	
65:	66	$66\sqrt{13}$	= 1.03963	= 67,28... cents	
66:	67	$67\sqrt{13}$	= 1.03903	= 66,28... cents	div premiere
67:	68	$68\sqrt{13}$	= 1.03844	= 65,30... cents	
68:	69	$69\sqrt{13}$	= 1.03787	= 64,35... cents	
69:	70	$70\sqrt{13}$	= 1.03732	= 63,43... cents	
70:	71	$71\sqrt{13}$	= 1.03679	= 62,54... cents	div premiere
71:	72	$72\sqrt{13}$	= 1.03627	= 61,67... cents	
72:	73	$73\sqrt{13}$	= 1.03576	= 60,82... cents	div premiere
73:	74	$74\sqrt{13}$	= 1.03527	= 60,00... cents	<b>OCTAVIANTE</b> cyclique $20\sqrt{2} = 1,03526$
74:	75	$75\sqrt{13}$	= 1.03479	= 59,20... cents	
75:	76	$76\sqrt{13}$	= 1.03433	= 58,43... cents	
76:	77	$77\sqrt{13}$	= 1.03387	= 57,66... cents	
77:	78	$78\sqrt{13}$	= 1.03343	= 56,92... cents	
78:	79	$79\sqrt{13}$	= 1.033	= 56,20... cents	div premiere
79:	80	$80\sqrt{13}$	= 1.03258	= 55,50... cents	
80:	81	$81\sqrt{13}$	= 1.03217	= 54,81... cents	
81:	82	$82\sqrt{13}$	= 1.03177	= 54,14... cents	
82:	83	$83\sqrt{13}$	= 1.03139	= 53,50... cents	div premiere
83:	84	$84\sqrt{13}$	= 1.03101	= 52,86... cents	
84:	85	$85\sqrt{13}$	= 1.03064	= 52,24... cents	
85:	86	$86\sqrt{13}$	= 1.03027	= 51,62... cents	
86:	87	$87\sqrt{13}$	= 1.02992	= 51,03... cents	
87:	88	$88\sqrt{13}$	= 1.02958	= 50,46... cents	proche OCTAVIANT et du 1/4 de ton égalisé = 1,0293 = 50 cents
88:	89	$89\sqrt{13}$	= 1.02924	= 49,89... cents	proche OCTAVIANT et du 1/4 de ton égalisé = 1,0293 = 50 cents, div. 1ere
89:	90	$90\sqrt{13}$	= 1.02891	= 49,34... cents	
90:	91	$91\sqrt{13}$	= 1.02859	= 48,80... cents	
91:	92	$92\sqrt{13}$	= 1.02827	= 48,26... cents	
92:	93	$93\sqrt{13}$	= 1.02796	= 47,74... cents	
93:	94	$94\sqrt{13}$	= 1.02766	= 47,23... cents	
94:	95	$95\sqrt{13}$	= 1.02737	= 46,74... cents	
95:	96	$96\sqrt{13}$	= 1.02708	= 46,25... cents	
96:	97	$97\sqrt{13}$	= 1.0268	= 45,78... cents	div premiere