

Documentación del cuarteto en doceavos de tono

Documentation du quatuor en douzièmes de ton

Documentation of the twelfth tones quartet

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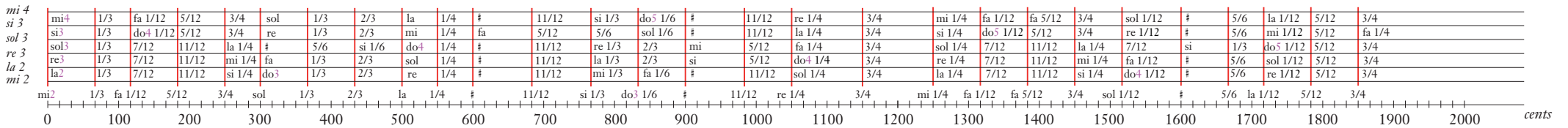
- Entonación del cuarteto de guitarras en doceavos de tono *Intonation du quatuor de guitares en douzièmes de ton* Intonation of the guitar quartet in twelfths of tone
- Posición de los trastes *Position des frettes* Frets position
- Repertorio de notas por guitarra y por cuerda *Répertoire de notes par guitare et par corde* Repertory of notes by guitar and by string
- Repertorio de notas *Répertoire de notes* Notes repertory
- Notación de doceavos de tono *Notation des douzièmes de ton* Twelfth tones notation
- Colección de notas de cada cuerda *Collection de notes de chaque corde* Tone collection of each string
- Repertorio de notas y repartición *Répertoire de notes et répartition* Notes repertory and distribution

Entonación del cuarteto de guitarras en doceavos de tono

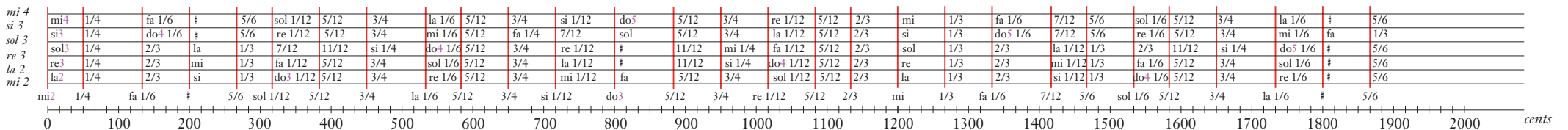
Intonation du quatuor de guitares en douzièmes de ton

Intonation of the guitar quartet in twelfths of tone

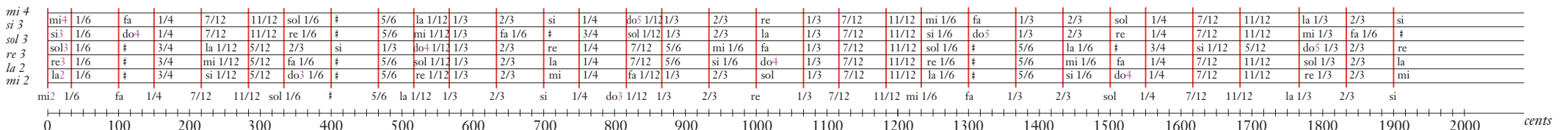
G. 1



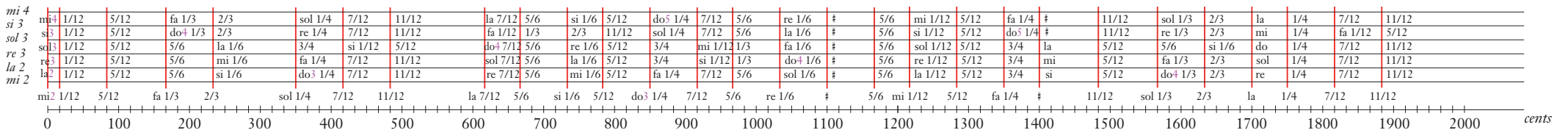
G. 2



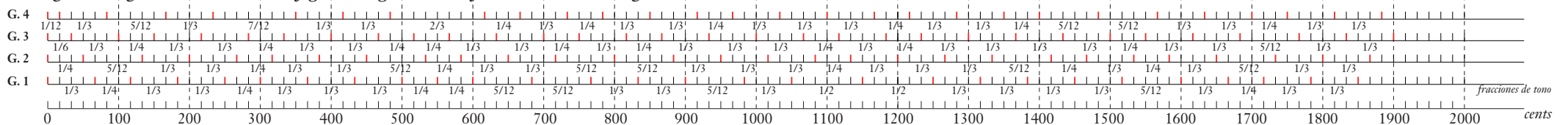
G. 3



G. 4



Configuración general de trastes Configuration générale des frettes General configuration of frets



En rojo, los doceavos de tono utilizados como trastes En rouge les douzièmes de ton utilisés comme frettes In red the twelfths of tone used as frets
 En negro los doceavos de tono En noir les douzièmes de ton In black the twelfths of tone

Posición de los trastes *Position des frettes* Frets position

Longitud al aire Longueur de corde à vide *Open string len_l* 650 mm
 grados por octava degrés par octave *tones per octave* 72

Intertraste más corto (mm) 7,1							Interfrette la plus courte Shorter interfret (mm) 7,6							7,8							6,2						
Guitarra 1 <i>Guitare 1</i> Guitar 1							Guitarra 2 <i>Guitare 2</i> Guitar 2							Guitarra 3 <i>Guitare 3</i> Guitar 3							Guitarra 4 <i>Guitare 4</i> Guitar 4						
<i>l</i>	<i>i</i>	<i>N</i>	<i>T</i>	<i>ε</i>	<i>D</i>	<i>d</i>	<i>l</i>	<i>i</i>	<i>N</i>	<i>T</i>	<i>ε</i>	<i>D</i>	<i>d</i>	<i>l</i>	<i>i</i>	<i>N</i>	<i>T</i>	<i>ε</i>	<i>D</i>	<i>d</i>	<i>l</i>	<i>i</i>	<i>N</i>	<i>T</i>	<i>ε</i>	<i>D</i>	<i>d</i>
						mm	mm							mm	mm							mm	mm				
0	0	mi2 E2	0	0	0,0	0,0	0	0	mi2 E2	0	0	0,0	0,0	0	0	mi2 E2	0	0	0,0	0,0	0	0	mi2 E2	0	0	0,0	0,0
4	1/3	1/3	1	66,667	24,6	24,6	3	1/4	1/4	1	50	18,5	18,5	2	1/6	1/6	1	33,333	12,4	12,4	1	1/12	1/12	1	16,667	6,2	6,2
7	7/12	fa2 1/12 F2	2	116,67	42,4	17,8	8	2/3	fa2 1/6 F2	2	133,33	48,2	29,7	6	1/2	fa2 F2	2	100	36,5	24,1	5	5/12	5/12	2	83,333	30,5	24,3
11	11/12	5/12	3	183,33	65,3	23,0	12	1 t.	1/2	3	200	70,9	22,7	9	3/4	1/4	3	150	53,9	17,5	10	5/6	fa2 1/3 F2	3	166,67	59,7	29,1
15	1/4	3/4	4	250	87,4	22,1	16	1/3	5/6	4	266,67	92,8	21,9	13	1/12	7/12	4	216,67	76,5	22,5	14	1/6	2/3	4	233,33	82,0	22,3
18	1/2	sol2 G2	5	300	103,4	16,0	19	7/12	sol2 1/12 G2	5	316,67	108,7	15,9	17	5/12	11/12	5	283,33	98,1	21,7	21	3/4	sol2 1/4 G2	5	350	119,0	37,0
22	5/6	1/3	6	366,67	124,1	20,6	23	11/12	5/12	6	383,33	129,1	20,4	20	2/3	sol2 1/6 G2	6	333,33	113,8	15,7	25	1/12	7/12	6	416,67	139,0	20,1
26	1/6	2/3	7	433,33	143,9	19,9	27	1/4	3/4	7	450	148,8	19,7	24	2 t.	1/2	7	400	134,1	20,3	29	5/12	11/12	7	483,33	158,3	19,3
30	1/2	la2 A2	8	500	163,1	19,1	32	2/3	la2 1/6 A2	8	533,33	172,3	23,6	28	1/3	5/6	8	466,67	153,6	19,5	37	1/12	la2 7/12 A2	8	616,67	194,8	36,4
33	3/4	1/4	9	550	176,9	13,9	35	11/12	5/12	9	583,33	185,9	13,6	31	7/12	la2 1/12 A2	9	516,67	167,7	14,1	40	1/3	5/6	9	666,67	207,7	13,0
36	3 t.	1/2	10	600	190,4	13,5	39	1/4	3/4	10	650	203,5	17,5	34	5/6	1/3	10	566,67	181,4	13,7	44	2/3	si2 1/6 B2	10	733,33	224,5	16,7
41	5/12	11/12	11	683,33	212,0	21,6	43	7/12	si2 1/12 B2	11	716,67	220,3	16,9	38	1/6	2/3	11	633,33	199,1	17,7	47	11/12	5/12	11	783,33	236,6	12,1
46	5/6	si2 1/3 B2	12	766,67	232,6	20,6	48	4 t.	do3 C3	12	800	240,5	20,2	42	1/2	si2 B2	12	700	216,2	17,0	51	1/4	do3 1/4 C3	12	850	252,2	15,6
50	1/6	do3 1/6 C3	13	833,33	248,3	15,8	53	5/12	5/12	13	883,33	259,8	19,2	45	3/4	1/4	13	750	228,5	12,4	55	7/12	7/12	13	916,67	267,2	15,0
54	1/2	1/2	14	900	263,5	15,2	57	3/4	3/4	14	950	274,5	14,7	49	1/12	do3 1/12 C3	14	816,67	244,4	15,9	58	5/6	5/6	14	966,67	278,1	10,9
59	11/12	11/12	15	983,33	281,7	18,2	61	1/12	re3 1/12 D3	15	1016,7	288,7	14,2	52	1/3	1/3	15	866,67	256,0	11,5	62	1/6	re3 1/6 D3	15	1033,3	292,2	14,0
63	1/4	re3 1/4 D3	16	1050	295,6	13,9	65	5/12	5/12	16	1083,3	302,3	13,6	56	2/3	2/3	16	933,33	270,9	14,9	66	1/2	1/2	16	1100	305,7	13,5
69	3/4	3/4	17	1150	315,5	19,9	68	2/3	2/3	17	1133,3	312,2	9,9	60	5 t.	re3 D3	17	1000	285,2	14,3	70	5/6	5/6	17	1166,7	318,7	13,0
75	1/4	mi3 1/4 E3	18	1250	334,3	18,8	72	6 t./1 Oct	mi3 E3	18	1200	325,0	12,8	64	1/3	1/3	18	1066,7	299,0	13,8	73	1/12	mi3 1/12 E3	18	1216,7	328,1	9,4
79	7/12	fa3 1/12 F3	19	1316,7	346,2	11,9	76	1/3	1/3	19	1266,7	337,3	12,3	67	7/12	7/12	19	1116,7	309,0	10,0	77	5/12	5/12	19	1283,3	340,3	12,2
83	11/12	5/12	20	1383,3	357,7	11,5	81	3/4	fa3 1/4 F3	20	1350	352,0	14,7	71	11/12	11/12	20	1183,3	321,9	12,9	81	3/4	fa3 1/4 F3	20	1350	352,0	11,7
87	1/4	3/4	21	1450	368,7	11,0	85	1/12	7/12	21	1416,7	363,2	11,3	74	1/6	mi3 1/6 E3	21	1233,3	331,2	9,3	84	1 t.	1/2	21	1400	360,5	8,5
91	7/12	sol3 1/12 G3	22	1516,7	379,3	10,6	88	1/3	5/6	22	1466,7	371,4	8,2	78	1/2	fa3 F3	22	1300	343,2	12,0	89	5/12	11/12	22	1483,3	374,1	13,6
96	2 t.	1/2	23	1600	392,0	12,7	92	2/3	sol3 1/6 G3	23	1533,3	381,9	10,5	82	5/6	1/3	23	1366,7	354,8	11,6	94	5/6	sol3 1/3 G3	23	1566,7	387,0	13,0
100	1/3	5/6	24	1666,7	401,8	9,7	95	11/12	5/12	24	1583,3	389,6	7,6	86	1/6	2/3	24	1433,3	366,0	11,2	98	1/6	2/3	24	1633,3	397,0	9,9
103	7/12	la3 1/12 A3	25	1716,7	408,9	7,1	99	1/4	3/4	25	1650	399,4	9,8	90	1/2	sol3 G3	25	1500	376,7	10,7	102	1/2	la3 A3	25	1700	406,5	9,6
107	11/12	5/12	26	1783,3	418,0	9,1	104	2/3	la3 1/6 A3	26	1733,3	411,2	11,8	93	3/4	1/4	26	1550	384,5	7,8	105	3/4	1/4	26	1750	413,5	6,9
111	1/4	3/4	27	1850	426,7	8,8	108	3 t.	1/2	27	1800	420,2	9,0	97	1/12	7/12	27	1616,7	394,5	10,0	109	1/12	7/12	27	1816,7	422,4	8,9
total		28					112	1/3	5/6	28	1866,7	428,9	8,7	101	5/12	11/12	28	1683,3	404,2	9,7	113	5/12	11/12	28	1883,3	431,0	8,6
							total		29					106	5/6	la3 1/3 A3	29	1766,7	415,7	11,6	total		29				
														110	1/6	2/3	30	1833,3	424,6	8,9							
														114	1/2	si3 B3	31	1900	433,1	8,5							
														total		32											

Leyenda *Légende* Legend

- l* Intervalo absoluto en doceavos de tono *Intervalle absolu en douzièmes de ton* Absolute interval in twelfth tones
 - i* Intervalo relativo dentro del tono *Intervalle relatif au sein des tons* Relative interval inside each full tone
 - N* Nota (cuerda 6) *Note (corde 6)* Note (string #6)
 - T* Traste *Frette* Fret
 - ε* Intervalo absoluto en cents *Intervalle absolu en cents* Absolute interval in cents
 - D* Distancia a la selleta *Distance au sillet de chevalet* Distance to the saddle [mm]
 - d* Distancia intertraste *Distance interfrette* Interfret distance [mm]
- Abreviaturas* *Abbréviations* *Abbreviations*
- t. Tono temperado *Ton tempéré* Tempered tone

		Guitarra 1 Guitare 1 Guitar 1							Guitarra 2 Guitare 2 Guitar 2							Guitarra 3 Guitare 3 Guitar 3							Guitarra 4 Guitare 4 Guitar 4										
Cuerdas	Cordes	String	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1	
<i>I</i>	<i>i</i>	<i>N</i>	<i>mi2</i>	<i>la2</i>	<i>re3</i>	<i>sol3</i>	<i>si3</i>	<i>mi4</i>	<i>Notas</i>	<i>mi2</i>	<i>la2</i>	<i>re3</i>	<i>sol3</i>	<i>si3</i>	<i>mi4</i>	<i>notas</i>	<i>mi2</i>	<i>la2</i>	<i>re3</i>	<i>sol3</i>	<i>si3</i>	<i>mi4</i>	<i>notas</i>	<i>mi2</i>	<i>la2</i>	<i>re3</i>	<i>sol3</i>	<i>si3</i>	<i>mi4</i>				
49	1/12								1/12		do3 1/12				do3 1/12	C3	do3 1/12																
50	1/6	1/6	do3 1/6													1/6		do3 1/6															
51	1/4																						do3 1/4	C3	do3 1/4	do3 1/4							
52	1/3	1/3		1/3												1/3	1/3																
53	5/12								5/12	5/12	5/12																						
54	1/2	1/2	1/2													1/2		1/2															
55	7/12																							7/12	7/12	7/12							
56	2/3	2/3	2/3													2/3	2/3																
57	3/4								3/4	3/4	3/4																						
58	5/6															5/6		5/6						5/6	5/6								
59	11/12	11/12	11/12																														
60	5 t.	re3 D3		re3	re3				re3 D3			re3			re3 D3	re3		re3					re3 D3			11/12				re3			
61	1/12								1/12	re3 1/12					1/12	re3 1/12							1/12							1/12			
62	1/6								1/6		re3 1/6				1/6			1/6					1/6	re3 1/6									
63	1/4	1/4	re3 1/4	1/4					1/4			1/4																					
64	1/3	1/3			1/3											1/3	1/3	1/3															
65	5/12								5/12	5/12	5/12													5/12						5/12			
66	1/2	1/2		1/2												1/2			1/2					1/2	1/2								
67	7/12	7/12			7/12											7/12	7/12						7/12			re3 7/12							
68	2/3								2/3	2/3		2/3			2/3		2/3																
69	3/4	3/4	3/4						3/4		3/4				3/4			3/4															
70	5/6																							5/6	5/6	5/6	5/6						
71	11/12	11/12		11/12	11/12											11/12	11/12																
72	6 t./1 Oct.								mi3	mi3		mi3			mi3		mi3																
73	1/12								1/12		mi3 1/12				1/12		mi3 1/12						mi3 1/12	mi3 1/12									
74	1/6														1/6	mi3 1/6							1/6			mi3 1/6	mi3 1/6						
75	1/4	mi3 1/4 E3	mi3 1/4		mi3 1/4																												
76	1/3	1/3		mi3 1/3												1/3	1/3		1/3														
77	5/12																							5/12	5/12	5/12							
78	1/2	fa3 F3			fa3				fa3 F3		fa3				fa3 F3	fa3		fa3								5/12							
79	7/12	1/12	fa3 1/12						1/12		fa3 1/12				1/12		fa3 1/12																
80	2/3	1/6		fa3 1/6											1/6		fa3 1/6																
81	3/4								1/4	fa3 1/4														fa3 1/4	F3	fa3 1/4	fa3 1/4	fa3 1/4					
82	5/6	1/3			1/3											1/3	1/3	1/3															
83	11/12	5/12	5/12						5/12		5/12	5/12																					
84	1 t.	1/2		1/2												1/2			1/2					1/2	1/2								
85	1/12								7/12	7/12														7/12			7/12	7/12					
86	1/6	2/3			2/3											2/3	2/3	2/3															
87	1/4	3/4	3/4						3/4		3/4	3/4			3/4																		
88	1/3								5/6	5/6																							
89	5/12			11/12																				5/6		5/6							
90	1/2	sol3 G3			sol3	sol3			sol3 G3				sol3		sol3 G3	sol3	sol3		sol3					11/12		11/12					sol3		
91	7/12	1/12	sol3 1/12						1/12		sol3 1/12				1/12		sol3 1/12														1/12		
92	2/3								1/6	sol3 1/6	sol3 1/6				1/6				1/6							sol3 1/6							
93	3/4	1/4		sol3 1/4	1/4				1/4						1/4	1/4																	
94	5/6	1/3				1/3																		1/3	sol3 1/3								
95	11/12								5/12	5/12	5/12	5/12												5/12							5/12		
96	2 t.	1/2	1/2		1/2											1/2																	
97	1/12	7/12				7/12																		7/12					sol3 7/12				
98	1/6								2/3		2/3		2/3		2/3			2/3						2/3	2/3								
99	1/4	3/4		3/4					3/4	3/4		3/4			3/4																		
100	1/3	5/6	5/6																														
101	5/12	11/12			11/12	11/12										11/12	11/12																
102	1/2								la3 A3		la3		la3			la3 A3			la3					la3 A3	la3								

		Guitarra 1 <i>Guitare 1</i> Guitar 1						Guitarra 2 <i>Guitare 2</i> Guitar 2						Guitarra 3 <i>Guitare 3</i> Guitar 3						Guitarra 4 <i>Guitare 4</i> Guitar 4											
Cuerdas	<i>Cordes</i>	String	6	5	4	3	2	1	Notas	6	5	4	3	2	1	notas	6	5	4	3	2	1	notas	6	5	4	3	2	1		
<i>I</i>	<i>i</i>	<i>N</i>	<i>mi2</i>	<i>la2</i>	<i>re3</i>	<i>sol3</i>	<i>si3</i>	<i>mi4</i>		<i>mi2</i>	<i>la2</i>	<i>re3</i>	<i>sol3</i>	<i>si3</i>	<i>mi4</i>		<i>mi2</i>	<i>la2</i>	<i>re3</i>	<i>sol3</i>	<i>si3</i>	<i>mi4</i>		<i>mi2</i>	<i>la2</i>	<i>re3</i>	<i>sol3</i>	<i>si3</i>	<i>mi4</i>		
211	7/12																														
212	2/3								2/3					2/3																	
213	3/4	3/4						3/4	3/4					3/4																	
214	5/6	5/6						5/6																							
215	11/12																														
216	6 t./3 oct.								mi5 E5					mi5																	
217	1/12	mi5 1/12 E5					mi5 1/12																								
218	1/6								1/6					mi5 1/6																	
219	1/4	1/4						mi5 1/4																							
220	1/3								1/3																						
221	5/12	5/12					5/12																								
222	1/2								fa5 F5					fa5																	
223	7/12	fa5 1/12 F5					fa5 1/12																								
224	2/3																														
225	3/4	1/4					fa5 1/4		1/4					fa5 1/4																	
226	5/6								1/3																						
227	11/12	5/12					5/12																								
228	1 t.																														
229	1/12								7/12					7/12																	
230	1/6																														
231	1/4	3/4						3/4																							
232	1/3								5/6					5/6																	
233	5/12																														
234	1/2																														
235	7/12	sol5 1/12 G5					sol5 1/12																								
236	2/3								sol5 1/6 G5					sol5 1/6																	
237	3/4																														
238	5/6																														
239	11/12								5/12					5/12																	
240	2 t.	1/2					1/2																								
241	1/12																														
242	1/6																														
243	1/4								3/4					3/4																	
244	1/3	5/6					5/6																								
245	5/12																														
246	1/2																														
247	7/12	la5 1/12 A5					la5 1/12																								
248	2/3								la5 1/6 A5					la5 1/6																	
249	3/4																														
250	5/6																														
251	11/12	5/12					5/12																								
252	3 t.								1/2					1/2																	
253	1/12																														
254	1/6																														
255	1/4	3/4						3/4																							
256	1/3								5/6					5/6																	
257	5/12																														
258	1/2																														

Leyenda *Légende* Legend

- I* Intervalo absoluto en doceavos de tono *Intervalle absolu en douzièmes de ton* Absolute interval in twelfth tones
- i* Intervalo relativo dentro del tono *Intervalle relatif au sein des tons* Relative interval inside each full tone
- N* Nota *Note* Note

Repertorio de notas Répertoire de notes Notes repertory

Cantidad de guitarras que poseen la nota **4 = rojo rouge red**
 Quantité de guitares qui possèdent la note **3 = naranja orange orange**
 Number of guitars which have the note **2 = azul bleu blue**
1 = negro noir black

subrayado souligné underlined: en más de una cuerda *sur plus d'une corde* in more than one string

		G. 1	G. 2	G. 3	G. 4	<i>I</i>	<i>i</i>	N	N	N	N
		<i>134</i>	<i>135</i>	<i>140</i>	<i>123</i>			<i>134</i>	<i>135</i>	<i>140</i>	<i>123</i>
0	0	mi2 E2	mi2 E2	mi2 E2	mi2 E2						
1	1/12				1/12	38	1/6		2/3	2/3	
2	1/6			1/6		39	1/4		3/4	3/4	
3	1/4		1/4			40	1/3				5/6
4	1/3	1/3				41	5/12	11/12			
5	5/12				5/12	42	1/2		si2 B2	si2 B2	
6	1/2			fa2 F2		43	7/12		1/12	1/12	
7	7/12	fa2 1/12 F2				44	2/3				si2 1/6 B2
8	2/3		fa2 1/6 F2			45	3/4	si2 1/4 B2		1/4	
9	3/4			1/4		46	5/6	1/3	1/3		
10	5/6				fa2 1/3 F2	47	11/12			5/12	5/12
11	11/12	5/12				48	4 t.	do3 C3	do3 C3		
12	1 t.		1/2			49	1/12		1/12	do3 1/12 C3	
13	1/12			7/12		50	1/6	1/6		1/6	
14	1/6				2/3	51	1/4				do3 1/4 C3
15	1/4	3/4				52	1/3	1/3		1/3	
16	1/3		5/6			53	5/12		5/12		
17	5/12			11/12		54	1/2	1/2		1/2	
18	1/2	sol2 G2				55	7/12				7/12
19	7/12		sol2 1/12 G2			56	2/3	2/3		2/3	
20	2/3			sol2 1/6 G2		57	3/4		3/4		
21	3/4				sol2 1/4 G2	58	5/6			5/6	5/6
22	5/6	1/3				59	11/12	11/12		5/6	5/6
23	11/12		5/12			60	5 t.	re3 D3	re3 D3	re3 D3	re3 D3
24	2 t.			1/2		61	1/12		1/12	1/12	1/12
25	1/12				7/12	62	1/6		1/6	1/6	1/6
26	1/6	2/3				63	1/4	1/4	1/4		
27	1/4		3/4			64	1/3	1/3		1/3	
28	1/3			5/6		65	5/12		5/12		5/12
29	5/12				11/12	66	1/2	1/2		1/2	1/2
30	1/2	la2 A2	la2 A2	la2 A2	la2 A2	67	7/12	7/12		7/12	7/12
31	7/12			1/12	1/12	68	2/3		2/3	2/3	
32	2/3		1/6	1/6		69	3/4	3/4	3/4	3/4	
33	3/4	1/4	1/4			70	5/6				5/6
34	5/6	1/3		1/3		71	11/12	11/12		11/12	
35	11/12		5/12		5/12	72	6 t./1 Oct.		mi3 E3	mi3 E3	
36	3 t.	1/2		1/2		73	1/12		1/12	1/12	mi3 1/12 E3
37	1/12	7/12			7/12	74	1/6		1/6	1/6	1/6
						75	1/4	mi3 1/4 E3		1/4	
						76	1/3	1/3	1/3		
						77	5/12			5/12	5/12
						78	1/2	fa3 F3	fa3 F3	fa3 F3	
						79	7/12	1/12	1/12	1/12	
						80	2/3	1/6		1/6	
						81	3/4		1/4		fa3 1/4 F3
						82	5/6	1/3		1/3	
						83	11/12	5/12	5/12		

<i>I</i>	<i>i</i>	G. 1 N 134	G. 2 N 135	G. 3 N 140	G. 4 N 123
84	1 t.	1/2		1/2	1/2
85	1/12		7/12		7/12
86	1/6	2/3		2/3	
87	1/4	3/4	3/4		
88	1/3		5/6	5/6	5/6
89	5/12	11/12			11/12
90	1/2	sol3 G3	sol3 G3	sol3 G3	sol3 G3
91	7/12	1/12	1/12	1/12	1/12
92	2/3		1/6	1/6	1/6
93	3/4	1/4	1/4	1/4	
94	5/6	1/3		1/3	1/3
95	11/12		5/12		5/12
96	2 t.	1/2		1/2	1/2
97	1/12	7/12		7/12	7/12
98	1/6		2/3	2/3	2/3
99	1/4	3/4	3/4	3/4	
100	1/3	5/6			5/6
101	5/12	11/12		11/12	
102	1/2		la3 A3	la3 A3	la3 A3
103	7/12	la3 1/12	1/12	1/12	1/12
104	2/3		1/6	1/6	1/6
105	3/4	1/4	1/4	1/4	1/4
106	5/6	1/3	1/3	1/3	
107	11/12	5/12		5/12	5/12
108	3 t.	1/2	1/2	1/2	
109	1/12	7/12	7/12	7/12	7/12
110	1/6	2/3		2/3	
111	1/4	3/4	3/4		3/4
112	1/3	5/6	5/6	5/6	
113	5/12	11/12	11/12		11/12
114	1/2	si3 B3	si3 B3	si3 B3	si3 B3
115	7/12		1/12		1/12
116	2/3	1/6		1/6	
117	3/4	1/4	1/4		
118	5/6		1/3	1/3	1/3
119	11/12	5/12			5/12
120	4 t.	do4 C4		do4 C4	
121	1/12	1/12	do4 1/12 C4	1/12	
122	1/6		1/6		do4 1/6 C4
123	1/4	1/4		1/4	
124	1/3			1/3	1/3
125	5/12	5/12	5/12		
126	1/2	1/2			1/2
127	7/12			7/12	7/12
128	2/3		2/3	2/3	2/3
129	3/4	3/4	3/4		

<i>I</i>	<i>i</i>	G. 1 N 134	G. 2 N 135	G. 3 N 140	G. 4 N 123
130	5/6	5/6	5/6		5/6
131	11/12	11/12		11/12	
132	5 t.	re4 D4	re4 D4	re4 D4	re4 D4
133	1/12	1/12	1/12		1/12
134	1/6		1/6	1/6	1/6
135	1/4	1/4		1/4	1/4
136	1/3	1/3	1/3	1/3	
137	5/12	5/12	5/12		5/12
138	1/2		1/2	1/2	
139	7/12	7/12		7/12	7/12
140	2/3	2/3		2/3	
141	3/4	3/4	3/4		3/4
142	5/6		5/6	5/6	
143	11/12	11/12	11/12		11/12
144	6 t./2 ct.	mi4 E4	mi4 E4	mi4 E4	mi4 E4
145	1/12		1/12	1/12	1/12
146	1/6		1/6	1/6	
147	1/4	1/4	1/4		
148	1/3	1/3	1/3	1/3	1/3
149	5/12	5/12	5/12		5/12
150	1/2			fa4 F4	
151	7/12	fa4 1/12 F4	fa4 1/12 F4		fa4 1/12 F4
152	2/3		1/6	1/6	1/6
153	3/4	1/4	1/4	1/4	
154	5/6			1/3	1/3
155	11/12	5/12	5/12		
156	1 t.	1/2	1/2	1/2	1/2
157	1/12		7/12	7/12	
158	1/6		2/3		2/3
159	1/4	3/4	3/4	3/4	
160	1/3	5/6	5/6		5/6
161	5/12			11/12	11/12
162	1/2	sol4 G4	sol4 G4		sol4 G4
163	7/12	1/12	1/12	sol4 1/12 G4	1/12
164	2/3	1/6	1/6	1/6	
165	3/4	1/4			1/4
166	5/6	1/3	1/3	1/3	
167	11/12	5/12	5/12		5/12
168	2 t.	1/2	1/2	1/2	
169	1/12	7/12			7/12
170	1/6	2/3		2/3	
171	1/4	3/4	3/4		3/4
172	1/3		5/6	5/6	5/6
173	5/12	11/12			11/12
174	1/2	la4 A4		la4 A4	la4 A4
175	7/12		la4 1/12 A4	1/12	

<i>I</i>	<i>i</i>	G. 1 N 134	G. 2 N 135	G. 3 N 140	G. 4 N 123
176	2/3		1/6	1/6	1/6
177	3/4	1/4			
178	5/6		1/3	1/3	
179	11/12		5/12		5/12
180	3 t.	1/2		1/2	1/2
181	1/12	7/12		7/12	7/12
182	1/6		2/3	2/3	
183	1/4	3/4	3/4	3/4	
184	1/3				5/6
185	5/12	11/12	11/12	11/12	
186	1/2	si4 B4	si4 B4	si4 B4	
187	7/12		1/12	1/12	si4 1/12 B4
188	2/3			1/6	1/6
189	3/4	1/4	1/4	1/4	
190	5/6	1/3	1/3		
191	11/12			5/12	5/12
192	4 t.		do5 C5	do5 C5	do5 C5
193	1/12	do5 1/12 C5		1/12	
194	1/6	1/6	1/6		
195	1/4		1/4		1/4
196	1/3			1/3	
197	5/12	5/12	5/12		
198	1/2	1/2	1/2		1/2
199	7/12		7/12		7/12
200	2/3			2/3	
201	3/4	3/4	3/4		
202	5/6		5/6		5/6
203	11/12	11/12			11/12
204	5 t.			re5 D5	
205	1/12	re5 1/12 D5	re5 1/12 D5		
206	1/6		1/6		re5 1/6 D5
207	1/4	1/4		1/4	
208	1/3			1/3	1/3
209	5/12		5/12		
210	1/2	1/2			1/2
211	7/12			7/12	
212	2/3		2/3		2/3
213	3/4	3/4	3/4		
214	5/6	5/6			5/6
215	11/12			11/12	
216	6 t./3 oct.		mi5 E5		mi5 E5
217	1/12	mi5 1/12 E5			1/12
218	1/6		1/6	mi5 1/6 E5	
219	1/4	1/4			1/4
220	1/3		1/3	1/3	
221	5/12	5/12			5/12

<i>I</i>	<i>i</i>	G. 1 N 134	G. 2 N 135	G. 3 N 140	G. 4 N 123
222	1/2		fa5 F5	fa5 F5	
223	7/12	fa5 1/12 F5			fa5 1/12 F5
224	2/3			1/6	
225	3/4	1/4	1/4		1/4
226	5/6		1/3	1/3	
227	11/12	5/12			5/12
228	1 t.			1/2	1/2
229	1/12		7/12		
230	1/6			2/3	
231	1/4	3/4			
232	1/3		5/6		
233	5/12				11/12
234	1/2			sol5 G5	
235	7/12	sol5 1/12 G5			
236	2/3		sol5 1/6 G5		
237	3/4			1/4	
238	5/6				sol5 1/3 G5
239	11/12		5/12		
240	2 t.	1/2			
241	1/12			7/12	
242	1/6				2/3
243	1/4		3/4		
244	1/3	5/6			
245	5/12			11/12	
246	1/2				la5 A5
247	7/12	la5 1/12 A5			
248	2/3		la5 1/6 A5		
249	3/4				1/4
250	5/6			la5 1/3 A5	
251	11/12	5/12			
252	3 t.		1/2		
253	1/12				7/12
254	1/6			2/3	
255	1/4	3/4			
256	1/3		5/6		
257	5/12				11/12
258	1/2			si5 B5	

Notación de doceavos de tono *Notation des douzièmes de ton* Twelfth tones notation

Notación propuesta, desarrollada a partir de la notación de Ivan Wyschnegradsky

Notation proposée, développée à partir de la notation d'Ivan Wyschnegradsky

Proposed notation, developed from Ivan Wyschnegradsky's notation

Forma ascendente *Forme ascendante* *Ascending form* *Forma descendente* *Forme descendante* *Descending form*

	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12		1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12
		1/6		2/6		3/6		4/6		5/6			1/6		2/6		3/6		4/6		5/6		
			1/4		2/4			3/4						1/4		2/4			3/4				
				1/3				2/3							1/3				2/3				
					1/2											1/2							

Claves de tablatura *Clefs de tablatures* Tablature clefs

Las tablaturas de cada guitarra están indicadas con las siguientes claves:

Les tablatures de chaque guitare son indiquées par les clefs suivantes :

Each guitar's tablatures is indicated by the following clefs:

- Guitarra 1: 1
- Guitarra 2: 2
- Guitarra 3: 3
- Guitarra 4: 4

Colección de notas de cada cuerda *Collection de note de chaque corde* Tone collection of each string

6
Mi
E

1

2

3

4

5
La
A

1

System 1: Treble clef staff with notes and a bass clef staff with a fretboard diagram. The fretboard diagram shows frets 0 through 27.

2

System 2: Treble clef staff with notes and a bass clef staff with a fretboard diagram. The fretboard diagram shows frets 0 through 28.

3

System 3: Treble clef staff with notes and a bass clef staff with a fretboard diagram. The fretboard diagram shows frets 0 through 31.

4

System 4: Treble clef staff with notes and a bass clef staff with a fretboard diagram. The fretboard diagram shows frets 0 through 28.

4
4
Re
Ré
D

1

Musical notation for exercise 1, first system. It consists of a treble clef staff with a key signature of one sharp (F#) and a common time signature (C). The melody is written in eighth notes. Below the staff is a guitar fretboard diagram with 27 frets, starting with a D chord at the 0th fret.

2

Musical notation for exercise 1, second system. It consists of a treble clef staff with a key signature of one sharp (F#) and a common time signature (C). The melody is written in eighth notes. Below the staff is a guitar fretboard diagram with 28 frets, starting with a D chord at the 0th fret.

3

Musical notation for exercise 1, third system. It consists of a treble clef staff with a key signature of one sharp (F#) and a common time signature (C). The melody is written in eighth notes. Below the staff is a guitar fretboard diagram with 31 frets, starting with a D chord at the 0th fret.

4

Musical notation for exercise 1, fourth system. It consists of a treble clef staff with a key signature of one sharp (F#) and a common time signature (C). The melody is written in eighth notes. Below the staff is a guitar fretboard diagram with 28 frets, starting with a D chord at the 0th fret.

3
Sol
G

1

2

3

4

The image shows a musical score for guitar, consisting of four systems. Each system includes a treble clef staff with a key signature of one sharp (F#) and a common time signature (C), and a bass clef staff with a capo position indicator (0, 1, 2, 3, 4) and a fret number. The music consists of eighth and sixteenth notes with various accidentals.

System 1: Treble clef staff with a key signature of one sharp (F#) and a common time signature (C). Bass clef staff with a capo position indicator of 0 and a fret number of 1. The music consists of eighth and sixteenth notes with various accidentals.

System 2: Treble clef staff with a key signature of one sharp (F#) and a common time signature (C). Bass clef staff with a capo position indicator of 2 and a fret number of 2. The music consists of eighth and sixteenth notes with various accidentals.

System 3: Treble clef staff with a key signature of one sharp (F#) and a common time signature (C). Bass clef staff with a capo position indicator of 3 and a fret number of 3. The music consists of eighth and sixteenth notes with various accidentals.

System 4: Treble clef staff with a key signature of one sharp (F#) and a common time signature (C). Bass clef staff with a capo position indicator of 4 and a fret number of 4. The music consists of eighth and sixteenth notes with various accidentals.

6
2
Si
B

1

System 1: Treble clef staff with notes and a bass clef staff with a fingerboard diagram. The fingerboard diagram shows frets 0 through 27.

2

System 2: Treble clef staff with notes and a bass clef staff with a fingerboard diagram. The fingerboard diagram shows frets 0 through 28.

3

System 3: Treble clef staff with notes and a bass clef staff with a fingerboard diagram. The fingerboard diagram shows frets 0 through 31.

4

System 4: Treble clef staff with notes and a bass clef staff with a fingerboard diagram. The fingerboard diagram shows frets 0 through 28.

1
Mi
E

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

2

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

3

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

4

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

Repertorio de notas y repartición *Répertoire de notes et répartition* Notes repertory and distribution

The image displays a musical score for guitar, consisting of two systems of notation. Each system includes a treble clef staff with a key signature of one sharp (F#) and a 4/4 time signature. The score is divided into four parts, labeled G.1 through G.4, representing the four strings of the guitar. The first system covers frets 0 through 9, and the second system covers frets 9 through 17. The notation includes various note values (quarter, eighth, and sixteenth notes) and rests, with specific fretting patterns indicated by numbers below the staff.

System 1 (Frets 0-9):

- G. 1:** 0 1 2 | 3 4 | 5 6 | 7 8
- G. 2:** 0 1 | 2 3 | 4 5 | 6 7 0
- G. 3:** 0 1 2 | 3 4 | 5 6 | 7 8 0 9
- G. 4:** 0 1 | 2 | 3 4 | 5 | 6 | 7 0 1

System 2 (Frets 9-17):

- G. 1:** 9 1 10 2 | 3 11 4 12 | 5 13 6 14 | 7 15 8 16
- G. 2:** 8 1 9 2 10 | 3 11 4 | 12 5 6 13 | 7 14 15 8 1
- G. 3:** 1 10 2 11 3 | 12 4 13 5 | 14 6 15 7 | 16 8 0 9 1
- G. 4:** 2 8 | 3 9 4 10 11 | 5 12 6 13 | 14 7 0 1 15

8

G. 1

G. 2

G. 3

G. 4

8

G. 1

G. 2

G. 3

G. 4

G. 1

G. 2

G. 3

G. 4

G. 1

G. 2

G. 3

G. 4

Musical score for guitar parts G.1, G.2, G.3, and G.4, measures 8-19. The score includes a treble clef staff with a key signature of one sharp (F#) and a common time signature. The guitar parts are numbered G.1 through G.4. Fingerings are indicated by numbers 1-4 above or below notes. A *8va* marking is present above the treble staff in measure 19, indicating an octave shift.

Musical score for guitar parts G.1, G.2, G.3, and G.4, measures 20-31. The score continues from the previous page. It includes a treble clef staff with a key signature of one sharp (F#) and a common time signature. The guitar parts are numbered G.1 through G.4. Fingerings are indicated by numbers 1-4 above or below notes. A *8va* marking is present above the treble staff in measure 20, indicating an octave shift.