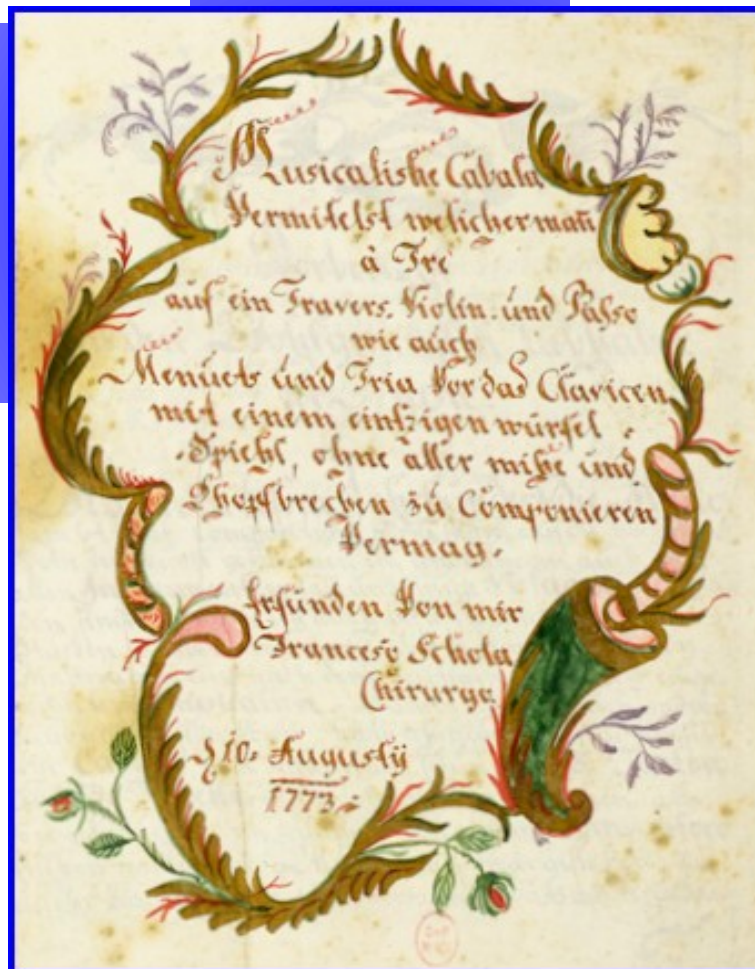


Musical Dice Game - Minuets and Trios I

based on
Musicalische Cabala
by Franciscus Schola (1773)
compiled by I. T. Author



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1 Introduction¹

<p>“Musicalische Cabala Vermittelst welcher man à Tre auf ein Travers. Violin. und Basso wie auch Menuets und Tria Vor das Clavicen mit einem einzigen würfel-Spiehl, ohne aller mihe und Khopfbrechen zu Componieren Vermag. Erfunden Von mir Francesu Schola Chirurgu. d. 10: Augustÿ 1773.”</p>	<p>“Musical Cabala showing a method by which one, for three: a flute, violin, and basso, as well as minuets and trio for the clavier, with a single die, without any effort and headache, to compose. Discovered by me Francesu Schola Surgeon d. 10: August 1773.”</p>
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Thus run the German title and corresponding English translation of the Musical Dice Game (MDG) that was authored by Franciscus Schola in 1773 ([Schola, 1773](#)). Rightly and interestingly so, as the Rules provided in this work allow a non-professional musician to generate (“compose”) nearly 17.3 decillions (17.3×10^{33}) of MDG minuet-trios. More precisely, the total number of minuet-trios that the rules of the *Musicalische Cabala*, as we would refer to this MDG from here onward, yield is:

$$6^{44} = 17, 324, 272, 922, 341, 479, 351, 919, 144, 385, 642, 496$$

(see Section ?? for more details).

A *Musikalisches Würfelspiel* (German for “musical dice game” or MDG) is a system for randomly “generating” (e.g., by using a die or two dice) musical compositions from precomposed options and was quite popular throughout Western Europe in the 18th century. The earliest known MDG is Johann Philipp Kirnberger’s *Der allezeit fertige Polonoisen- und Menuettencomponist* (1st ed. 1757; rev. 2nd ed. 1783) (translated from German as “The Ever-Ready Minuet and Polonaise Composer”). Other well-known composers that are to known to have composed a MDG are C.P.E. Bach (*Einfall, einen doppelten Contrapunct in der Octave von sechs Tacten zu machen, ohne die Regeln davon zu wissen* (1758); translated from German as “A method for making six bars of double counterpoint at the octave without knowing the rules”), Abbé Maximillian Stadler (*Table pour composer des minuets et des Trios à la infinie; avec deux dez à jouer* (1780); translated from French as “A table for composing minuets and trios to infinity, by playing with two dice”), the latter MDG being also attributed to Franz Joseph Haydn.

Probably the most famous of MDGs is *Musikalisches Würfelspiel K. 516f* (1787). This MDG was first published by J.J. Hummel in 1793 in Berlin and was republished in 1796 by Nikolaus Simrock in Bonn (as K. 294d or K. Anh. C 30.01). Simrock attributed this work to Wolfgang Amadeus Mozart. It is also known under the title of *Anleitung zum Componieren von Walzern so viele man will vermittelst zweier Würfel, ohne etwas von der Musik oder Composition zu verstehen* (German for “Instructions for the composition of as many waltzes as one desires with two dice, without understanding anything about music or composition”) and may have been based on Mozart’s manuscript *K. 516f*, written in 1787, consisting of numerous two-bar fragments of music, that appear to be some kind of game or system for constructing music out of two-bar fragments, but contains no instructions nor hints as to the use of dice. An [online article](#) by Hideo Noguchi offers a possible explanation for this attribution.

For this book, we generate MDG minuet-trios based on the rules given in *Musicalische Cabala*. Twenty (20) such MDG minuet-trios are given toward the latter part of this book. The scores of these generated minuet-trios were initially written using the abc environment of Chris Walshaw, then converted to Scalar Vector Graphics (SVG) images (with corresponding MIDIs) using `abcm2ps` and `abcmidi`, and then pre-processed with Inkscape to be included in L^AT_EX to produce this book.

¹The information contained in the introduction were culled from the following online resources: [Schola \(1773\)](#), [Wikipedia: Musikalisches Würfelspiel \(2017\)](#), <https://opus-infinity.org/>, and [Mozart’s Melody Machine \(Peterson, 2001\)](#)

2 Musicalische Cabala

2.1 Rules

The Rules provided in *Musicalische Cabala* generate minuet-trios consisting of 44 bars/measures that may be divided into three main parts: a first part (Part I) of 12 bars and two additional parts (Parts II and III) of 16 bars each. Each of Parts II and III are composed of an eight-bar minuet and an eight-bar trio. Each part or sub-part is played with a repeat. All told, a total of $88 \times 2 = 44$ bars of music is expected to be played for each *Musicalische Cabala* minuet-trio. Parts I and II are composed for three instruments: a transverse flute, a violin, and a cello, while Part III is composed for a clavier (or harpsichord).

The notes for each bar of the minuet are determined by rolling an ordinary six-sided die 44 times to get a sequence of integers whose terms are elements of the set $\{1, 2, 3, 4, 5, 6\}$. The first 12 toss outcomes will be used to create the eight bars of Part I of the minuet-trio, the next 16 tosses for Part II (eight tosses each for the minuet and trio), and the last 16 tosses for Part III (eight tosses for the minuet, likewise for the trio). The notes for each measure are then obtained by consulting the Cabala given on pages 7 (for Part I), 9 (for Part II), and 11 (for Part III) of *Musicalische Cabala*. The bar numbers corresponding to dice roll outcomes from these three Cabalas are summarized in Table 1 below.

I – For Flute, Violin, and Cello

Part I (12 bars)											
269	279	274	6	10	5	272	276	12	3	270	2
257	268	267	22	21	20	261	264	25	19	259	18
227	238	232	126	125	132	235	230	127	129	233	128
123	134	133	237	231	236	124	130	234	229	131	228
13	17	14	278	262	266	16	23	260	265	24	258
1	11	7	263	273	277	9	4	271	275	8	280

II – For Flute, Violin, and Cello

Part II – Minuet (8bars)								Part II – Trio (8 bars)							
161	165	168	79	167	163	158	75	211	173	218	214	217	213	174	170
153	157	160	89	159	155	166	84	203	178	210	206	209	205	180	179
145	152	149	96	148	150	92	91	195	189	202	198	200	197	190	186
90	97	94	151	93	95	147	146	185	199	192	188	191	187	201	196
81	83	87	156	86	88	85	154	177	207	183	182	184	193	208	204
74	82	80	164	77	76	92	162	169	215	176	172	175	171	216	212

III – For Clavier

Part III – Minuet (8 bars)								Part III – Trio (8 bars)							
135	139	105	102	104	101	70	100	33	37	40	246	39	244	59	34
143	69	111	113	110	109	30	108	41	48	44	223	45	35	241	42
115	29	119	121	118	120	140	116	49	53	56	63	54	43	221	50
107	122	32	28	141	137	117	136	57	64	61	52	222	144	55	58
135	114	72	68	31	27	112	26	219	226	225	47	62	224	46	220
99	106	142	138	71	67	103	66	239	245	243	36	242	73	38	240

Table 1: Table of bar numbers (from the Cabalas) to be used to determine the particular bar (numbered 1 to 280) to be looked up from the Table of Measures (Figures 1 to 10).

To obtain the notes to be played the particular bar of each part (Parts I, II, or III) of the minuet-trio to be constructed, simply look up the notes in the Table of Measures (Figures 1 to 10) for that bar number (numbered 1 to 280) obtained from the appropriate Cabala based on the die roll outcome.

For example, if we are in the process of creating the fifth bar (Bar 5) of Part I of the minuet and the dice outcome was a 3, then we would use the notes in bar number 125 of Figure 5: [V:1] $\wedge de3/a/4c/4$ b/a/g/f/ for the flute, [V:2] A3/c/4e/4 d/c/B/A/ for the violin, and [V:5] C,CDD, for the cello.

2.2 Table of Measures

The Table of Measures for Part I, II, and III of the minuet-trios based on *Musicalische Cabala* (noted for Set 1 only; these is a Set 2 also but is not included here) are given in Figures 1 to 10 that follow.

Musicalische Cabala Schola Franciscus - I
[from [https://imslp.org/wiki/Musicalische_Cabala_\(Schola%2C_Franciscus\)](https://imslp.org/wiki/Musicalische_Cabala_(Schola%2C_Franciscus))]
found by Franciscus Schola, 1773

The musical score is presented in three systems, each containing four staves: Flute (treble clef, key of D major), Violin (treble clef, key of D major), Clavier (grand staff, key of B-flat major), and Cello (bass clef, key of B-flat major). The time signature is 4/4. The tempo is marked as quarter note = 90. The score is numbered 1 through 12. Measure 1 starts with a tempo marking. Measure 8 features a triplet in the Violin part. Measure 12 ends with a double bar line.

Figure 1: Table of Measures - Set 1 (Page 1/10)

Musical score for measures 33-40 of 'The Rose Tree'. The score is for four instruments: Flute, Violin, Clavier, and Cello. The key signature is one sharp (F#) and the time signature is 15/8. The Flute and Violin parts are mostly rests. The Clavier part has a treble and bass staff. The Cello part is mostly rests.

Measures 33-40:

- Flute:** Rests in all measures.
- Violin:** Rests in all measures.
- Clavier:**
 - Treble Staff:**
 - Measure 33: Rest.
 - Measure 34: Quarter note G4, eighth note A4, eighth note B4, quarter note C5, quarter note D5, quarter note E5.
 - Measure 35: Quarter note F#5, eighth note G5, eighth note A5, quarter note B5, quarter note C6, quarter note D6.
 - Measure 36: Quarter note E6, eighth note F#6, eighth note G6, quarter note A6, quarter note B6, quarter note C7.
 - Measure 37: Quarter note D7, eighth note E7, eighth note F#7, quarter note G7, quarter note A7, quarter note B7.
 - Measure 38: Quarter note C8, eighth note D8, eighth note E8, quarter note F8, quarter note G8, quarter note A8.
 - Measure 39: Quarter note B8, eighth note C9, eighth note D9, quarter note E9, quarter note F9, quarter note G9.
 - Measure 40: Quarter note A9, eighth note B9, eighth note C10, quarter note D10, quarter note E10, quarter note F10.
 - Bass Staff:**
 - Measure 33: Rest.
 - Measure 34: Quarter note G3, quarter note A3, quarter note B3, quarter note C4, quarter note D4, quarter note E4.
 - Measure 35: Quarter note F#4, eighth note G4, eighth note A4, quarter note B4, quarter note C5, quarter note D5.
 - Measure 36: Quarter note E5, eighth note F#5, eighth note G5, quarter note A5, quarter note B5, quarter note C6.
 - Measure 37: Quarter note D6, eighth note E6, eighth note F#6, quarter note G6, quarter note A6, quarter note B6.
 - Measure 38: Quarter note C7, eighth note D7, eighth note E7, quarter note F7, quarter note G7, quarter note A7.
 - Measure 39: Quarter note B7, eighth note C8, eighth note D8, quarter note E8, quarter note F8, quarter note G8.
 - Measure 40: Quarter note A8, eighth note B8, eighth note C9, quarter note D9, quarter note E9, quarter note F9.
- Cello:** Rests in all measures.

6

The image displays a musical score for measures 41 through 72, organized into four systems. Each system contains four staves: Flute, Violin, Clavier, and Cello. The Flute and Violin staves are in treble clef with a key signature of one sharp (F#). The Clavier and Cello staves are in bass clef with a key signature of two flats (Bb, Eb). The Clavier part is written in 12/8 time, indicated by the '12' over the '8' in the time signature. The Cello part is written in 3/4 time, indicated by the '3' over the '4' in the time signature. The measures are numbered 41 through 72 at the top of each system. The Clavier part features complex rhythmic patterns, including triplets and sixteenth notes. The Cello part provides a steady bass line with some melodic movement. The Flute and Violin parts are mostly rests, indicating they are silent during these measures.

Figure 3: Table of Measures - Set 1 (Page 3/10)

This musical score is divided into four systems, each containing staves for Flute, Violin, Clavier, and Cello. The measures are numbered 73 through 104.

- System 1 (Measures 73-80):** The Flute and Violin parts are active, with the Flute playing a melodic line and the Violin providing harmonic support. The Clavier and Cello parts are mostly rests, with the Cello playing a steady bass line.
- System 2 (Measures 81-88):** The Flute and Violin continue their melodic and harmonic roles. The Clavier and Cello parts remain mostly rests, with the Cello providing a consistent bass accompaniment.
- System 3 (Measures 89-96):** The Flute and Violin parts show more complex rhythmic patterns, including triplets. The Clavier and Cello parts are mostly rests, with the Cello playing a steady bass line.
- System 4 (Measures 97-104):** The Flute and Violin parts conclude the section with melodic lines. The Clavier and Cello parts are mostly rests, with the Cello playing a steady bass line.

Figure 4: Table of Measures - Set 1 (Page 4/10)

The image displays a musical score for measures 105 through 136, organized into four systems. Each system contains four staves: Flute, Violin, Clavier, and Cello. The key signature is B-flat major (two flats). Measure numbers are printed above each staff at the beginning of each system. The Clavier part is written in a grand staff (treble and bass clefs). The score includes various musical notations such as eighth notes, sixteenth notes, triplets, and rests. Measure 123 features a key change to D major (two sharps). Measure 135 features a key change to B-flat major (two flats). The Cello part has a key signature change to B-flat major at measure 123 and remains there through measure 136.

Measures 105-112: Flute and Violin are mostly silent. Clavier and Cello play a rhythmic pattern of eighth notes, with triplets in measures 107, 108, 109, 110, and 111.

Measures 113-120: Flute and Violin remain silent. Clavier and Cello continue the rhythmic pattern, with triplets in measures 114, 115, 116, 117, 118, 119, and 120.

Measures 121-128: Flute and Violin enter with eighth-note patterns. Clavier and Cello continue the rhythmic pattern, with triplets in measures 121, 122, 123, 124, 125, 126, 127, and 128.

Measures 129-136: Flute and Violin continue their eighth-note patterns. Clavier and Cello continue the rhythmic pattern, with triplets in measures 129, 130, 131, 132, 133, 134, 135, and 136.

Figure 5: Table of Measures - Set 1 (Page 5/10)

The image displays a musical score for measures 137 through 168, organized into four systems. Each system contains four staves: Flute, Violin, Clavier, and Cello. The key signature is one sharp (F#), and the time signature is 3/4. Measure numbers are printed above the Flute staff in each system. The Clavier part is written in a grand staff (treble and bass clefs). The score includes various musical notations such as eighth notes, sixteenth notes, triplets, and rests. Measure 142 features a time signature change to 3/8. Measure 152 includes a triplet in the Violin part. Measure 165 includes a triplet in the Clavier bass staff.

Measures 137-145: Flute has rests; Violin has rests; Clavier plays a rhythmic pattern with triplets in measures 139 and 140; Cello has rests.

Measures 146-152: Flute and Violin play eighth-note patterns; Clavier has rests; Cello plays a rhythmic pattern.

Measures 153-160: Flute and Violin play eighth-note patterns with triplets in measures 155 and 159; Clavier has rests; Cello plays a rhythmic pattern.

Measures 161-168: Flute and Violin play eighth-note patterns with triplets in measures 163 and 167; Clavier has rests; Cello plays a rhythmic pattern.

Figure 6: Table of Measures - Set 1 (Page 6/10)

The image displays a musical score for measures 169 through 200, arranged in four systems. Each system contains four staves: Flute (treble clef), Violin (treble clef), Clavier (grand staff with treble and bass clefs), and Cello (bass clef). The key signature is one sharp (F#). Measure numbers are printed above the Flute staff in each system. The Clavier part is mostly silent, indicated by whole rests. The Flute and Cello parts feature various musical notations including eighth notes, sixteenth notes, and triplets. The Violin part also includes some sixteenth-note patterns. The score is presented in a clean, black-and-white format with standard musical notation.

Measures 169-176: Flute plays a melodic line with eighth and sixteenth notes. Violin and Cello provide harmonic support with similar rhythmic patterns. Clavier is silent.

Measures 177-184: Flute continues the melodic line, incorporating triplets. Violin and Cello maintain the harmonic texture. Clavier remains silent.

Measures 185-192: Flute features more complex rhythmic patterns, including triplets. Violin and Cello continue their parts. Clavier is silent.

Measures 193-200: Flute plays a series of sixteenth-note runs. Violin and Cello provide accompaniment. Clavier has some activity in the bass line, including a few notes and rests.

Figure 7: Table of Measures - Set 1 (Page 7/10)

The image displays a musical score for measures 201 through 232, arranged in four systems. Each system contains four staves: Flute (treble clef), Violin (treble clef), Clavier (grand staff with treble and bass clefs), and Cello (bass clef). The key signature is one sharp (F#) for measures 201-216 and two flats (Bb, Eb) for measures 217-232. The time signature is 4/4.

- System 1 (Measures 201-208):** The Flute and Violin parts feature eighth-note patterns with triplets in measures 207 and 208. The Clavier part is silent. The Cello part provides a bass line with eighth and sixteenth notes.
- System 2 (Measures 209-216):** Similar to the first system, with eighth-note patterns and triplets in measures 211 and 212. The Clavier remains silent.
- System 3 (Measures 217-224):** The Flute and Violin parts have eighth-note patterns with triplets in measures 218 and 219. The Clavier part begins with a bass line in measure 219. The Cello part continues with a bass line.
- System 4 (Measures 225-232):** The Flute and Violin parts have eighth-note patterns. The Clavier part continues with a bass line. The Cello part continues with a bass line.

Figure 8: Table of Measures - Set I (Page 8/10)

Figure 9: Table of Measures - Set 1 (Page 9/10)

This musical score is divided into four systems, each containing four staves: Flute, Violin, Clavier, and Cello. The music is written in 2/4 time with a key signature of one sharp (F#).

- System 1 (Measures 257-259):** The Flute and Violin parts feature rapid sixteenth-note passages. The Clavier part is silent. The Cello part provides a simple harmonic accompaniment.
- System 2 (Measures 260-264):** The Flute and Violin continue with intricate melodic lines. The Clavier remains silent. The Cello part includes a sixteenth-note figure in measure 264.
- System 3 (Measures 265-272):** The Flute and Violin parts are highly active with continuous sixteenth-note runs. The Clavier is silent. The Cello part features a prominent sixteenth-note figure in measure 265.
- System 4 (Measures 273-280):** The Flute and Violin parts conclude with rapid sixteenth-note passages. The Clavier is silent. The Cello part features a sixteenth-note figure in measure 275.

Figure 10: Table of Measures - Set I (Page 10/10)

3 Related Links

The following are very interesting sites in that they allow the online rendering of MDGs:

- [Opus Infinity](#) - Collaborative work of Robbert Harms, Hein Moors, and Suus van Petegem whose goal is to unravel the mystery behind the tables used for generating MDGs. Site visitors can generate MDGs based on works of Kirnberger, Mozart, Stadler/Haydn, Bach, Gerlach, and Callegari (*1st Cahier*). Corresponding audio files (`mid`, `ogg`, and/or `mp3`) and image files (`pdf` or `png`) are also made available for listening, viewing, or downloading.
- [Mozart](#) - A site maintained by John Chuang that allows the site visitor to generate MDGs based on the work of Stadler/Haydn.
- [Mozart](#) - A site maintained by Marian Aldenhövel allows the visitor to generate a MDG (user-specified or randomly-generated) and the corresponding audio (`midi`, `wav`) and image files (`pdf`, `png`) based on *Musikalisches Würfelspiel*, *K. 516f*.
- [mozart.zip](#) - This is a Windows software (© 1995 VisionSoft) by John Chuang and Stephen Goodwin that generates MDG based on input from user and is available for *free* from [Amaranth Publishing](#).
- “[Mozart - Musical Game in C K. 516f](#),” Mozart Studies Online - The site of Hideo Noguchi that offers an explanation linking *Musikalisches Würfelspiel*, *K. 516f*, and *K. 294d (K. Anh. C 30.01)*.

4 Acknowledgments

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5 Twenty (20) Selected Minuets based on *Musicalische Cabala*

This section contains an example of twenty (20) minuet-trios that were generated using the Rules in Section 2.1.

1-2-3-5-2-2-5-1-4-1-3-6-3-4-2-1-6-3-2-4-5-6-5-4-4-1-2-1-5-2-1-3-4-3-2-1-6-4-3-5-5-6-6

sf.: 269:268:232:278:21:20:16:276:234:3:233:280:
:145:97:160:79:77:150:166:146:::177:215:183:188:191:213:180:170:
:135:69:105:121:141:120:30:100:::239:64:56:47:62:224:38:240:
Perm. No.: 17227224908018682787861893990900511

♩ = 90

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-1-2-3-5-2-2-5-1-4-1-3-6-3-4-2-1-6-3-2-4-5-6-5-4-4-1-2-1-5-2-1-3-4-3-2-1-6-4-3-5-5-6-6.mid](#)

1-5-3-1-6-3-5-2-3-6-3-6-6-5-6-4-2-3-4-2-4-3-4-4-4-2-4-2-2-3-4-6-6-6-6-4-3-1-3-3-6-5-1-4

sf::269:17:232:6:273:132:16:264:127:275:233:280:
:74:83:80:151:159:150:147:84:::185:189:192:188:191:205:201:179:
:143:29:32:138:71:67:103:136:::49:37:56:63:242:224:59:58:
Perm. No.: 9055019777446634359065868292170993

♩ = 90

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-1-5-3-1-6-3-5-2-3-6-3-6-6-5-6-4-2-3-4-2-4-3-4-4-4-2-4-2-2-3-4-6-6-6-6-4-3-1-3-3-6-5-1-4.mid](#)

2-1-6-1-2-4-4-2-3-2-4-1-5-4-6-3-2-6-1-3-1-6-6-5-4-4-6-4-3-2-2-5-2-1-2-3-6-1-2-6-5-1-2-1

sf::257:279:7:6:21:236:124:264:127:19:131:2:
:81:97:80:96:159:76:158:91:::211:215:176:182:191:187:216:196:
:115:69:111:68:110:101:30:116:::239:37:44:36:62:244:241:34:
Perm. No.: 546265989944920162434833688059174

$\text{♩} = 90$

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-2-1-6-1-2-4-4-2-3-2-4-1-5-4-6-3-2-6-1-3-1-6-6-5-4-4-6-4-3-2-2-5-2-1-2-3-6-1-2-6-5-1-2-1.mid](#)

2-4-4-4-3-3-1-4-1-5-1-1-3-1-4-5-1-1-3-4-1-2-6-4-4-4-3-2-5-1-2-1-5-2-1-4-5-1-6-1-4-2-5-2

sf::257:134:133:237:125:132:272:130:12:265:270:2:
:145:165:94:156:167:163:92:146:::211:178:176:188:191:187:190:179:
:135:139:111:102:31:109:70:136:::219:37:243:246:222:35:46:42:
Perm. No.: 4934508576042375373986404106441320

$\text{♩} = 90$

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-2-4-4-4-3-3-1-4-1-5-1-1-3-1-4-5-1-1-3-4-1-2-6-4-4-4-3-2-5-1-2-1-5-2-1-4-5-1-6-1-4-2-5-2.mid](#)

2-6-4-1-5-2-4-6-6-5-1-5-6-2-6-4-5-5-6-4-5-3-4-1-5-6-4-2-2-1-1-6-1-4-3-4-3-2-6-4-2-6-6-2

sf::257:11:133:6:262:20:124:4:271:265:270:258:
:74:157:80:151:86:88:92:146:::177:189:192:214:184:171:201:179:
:143:139:105:138:104:137:140:136:::49:48:243:52:45:73:38:42:
Perm. No.: 5716548907349767005263568824417900

$\text{♩} = 90$

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-2-6-4-1-5-2-4-6-6-5-1-5-6-2-6-4-5-5-6-4-5-3-4-1-5-6-4-2-2-1-1-6-1-4-3-4-3-2-6-4-2-6-6-2.mid](#)

3-1-5-2-1-3-4-2-4-4-3-2-2-1-3-4-6-2-4-2-5-3-1-3-4-2-2-3-2-6-2-6-3-6-4-6-1-4-1-4-3-2-2-6

sf:::227:279:14:22:10:132:124:264:234:229:233:18:
:153:165:149:151:77:155:147:84:::177:189:218:198:191:205:180:186:
:143:106:111:138:118:67:117:66:::33:64:40:52:54:35:241:240:
Perm. No.: 15031942985188628490328838087183211

♩ = 90

The musical score is presented in six systems. The first three systems (measures 1-12) feature Flute, Violin, and Cello. The last two systems (measures 21-36) feature Clavier. The music is in 3/4 time with a key signature of one sharp (F#). It includes various musical notations such as slurs, ties, and triplets.

For audio (midi): [sf-3-1-5-2-1-3-4-2-4-4-3-2-2-1-3-4-6-2-4-2-5-3-1-3-4-2-2-3-2-6-2-6-3-6-4-6-1-4-1-4-3-2-2-6.mid](#)

3-3-1-4-5-5-1-2-5-2-4-1-3-2-5-4-5-2-5-6-5-4-3-5-5-1-4-3-3-1-5-5-6-1-2-6-3-3-4-6-5-2-1-6

sf::227:238:274:237:262:266:272:264:260:19:131:2:
:145:157:87:151:86:155:85:162:::177:199:202:182:184:213:201:186:
:115:139:72:68:71:101:30:66:::49:53:61:36:62:35:59:240:
Perm. No.: 14582975913811492829726519642885079

♩ = 90

The musical score is written for four instruments: Flute, Violin, Cello, and Clavier. It is organized into five systems of staves. The first three systems (measures 1-12) feature the Flute, Violin, and Cello. The last two systems (measures 29-36) feature the Clavier. The music is in 3/4 time with a key signature of one sharp (F#). The score includes various musical notations such as notes, rests, and articulation marks.

For audio (midi): [sf-3-3-1-4-5-5-1-2-5-2-4-1-3-2-5-4-5-2-5-6-5-4-3-5-5-1-4-3-3-1-5-5-6-1-2-6-3-3-4-6-5-2-1-6.mid](#)

3-3-6-4-1-4-2-4-1-3-1-1-6-1-2-6-6-6-5-1-5-4-1-3-3-4-4-3-5-2-6-1-5-5-1-2-2-6-1-1-3-1-3-2

sf::227:238:7:237:10:236:261:130:12:129:270:2:
:74:165:160:164:77:76:85:75:::177:199:218:198:200:187:201:186:
:135:69:142:102:31:27:70:108:::41:245:40:246:54:244:221:42:
Perm. No.: 3876895106516181087898138161283371

♩ = 90

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-3-3-6-4-1-4-2-4-1-3-1-1-6-1-2-6-6-6-5-1-5-4-1-3-3-4-4-3-5-2-6-1-5-5-1-2-2-6-1-1-3-1-3-2.mid](#)

3-5-3-2-5-3-4-4-4-6-6-1-1-1-3-1-6-6-3-1-5-5-3-1-1-5-2-6-3-3-5-6-2-1-6-1-3-3-4-3-2-1-3-1

sf::227:17:232:22:262:132:124:130:234:275:8:2:
:161:165:149:79:77:76:92:75:::177:207:202:214:217:193:180:212:
:115:29:72:138:110:101:103:100:::49:53:61:63:45:244:221:34:
Perm. No.: 981542740799505826094363173304955

♩ = 90

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-3-5-3-2-5-3-4-4-4-6-6-1-1-1-3-1-6-6-3-1-5-5-3-1-1-5-2-6-3-3-5-6-2-1-6-1-3-3-4-3-2-1-3-1.mid](#)

4-1-2-4-5-1-2-5-2-2-4-6-2-5-2-2-6-2-3-3-5-5-5-4-4-3-5-1-5-3-2-4-1-2-6-5-3-4-5-5-4-4-3-3

sf::123:279:267:237:262:5:261:23:25:19:131:280:
:153:83:160:89:77:155:92:91:::177:207:183:188:191:197:208:170:
:135:29:111:28:104:109:103:26:::49:64:225:47:222:144:221:50:
Perm. No.: 7028546222479390052139348929003056

$\text{♩} = 90$

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-4-1-2-4-5-1-2-5-2-2-4-6-2-5-2-2-6-2-3-3-5-5-5-4-4-3-5-1-5-3-2-4-1-2-6-5-3-4-5-5-4-4-3-3.mid](#)

4-5-6-6-4-6-4-5-5-6-6-5-4-5-4-2-2-5-5-2-6-4-5-2-5-4-6-4-1-2-6-1-6-1-4-5-4-6-1-3-2-1-5-3

sf::123:17:7:263:231:277:124:23:260:275:8:258:
:90:83:94:89:159:88:85:84:::169:199:183:206:184:187:216:196:
:135:69:142:102:71:101:117:26:::57:245:40:63:45:244:46:50:
Perm. No.: 7717848333202281351229252913580760

$\text{♩} = 90$

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-4-5-6-6-4-6-4-5-5-6-6-5-4-5-4-2-2-5-5-2-6-4-5-2-5-4-6-4-1-2-6-1-6-1-4-5-4-6-1-3-2-1-5-3.mid](#)

4-6-2-1-5-4-2-3-2-6-2-6-5-5-4-3-4-4-6-5-6-5-3-6-4-4-1-2-6-5-3-1-6-1-5-3-3-2-4-5-1-1-2-6

sf::123:11:267:6:262:236:261:230:25:275:259:280:
:81:83:94:96:93:95:92:154:::169:207:202:172:191:187:174:179:
:99:114:119:102:71:101:112:116:::49:48:61:47:39:244:241:240:
Perm. No.: 14928236666255595304369281145408486

$\text{♩} = 90$

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-4-6-2-1-5-4-2-3-2-6-2-6-5-5-4-3-4-4-6-5-6-5-3-6-4-4-1-2-6-5-3-1-6-1-5-3-3-2-4-5-1-1-2-6.mid](#)

5-1-6-4-6-3-3-5-6-1-3-1-1-6-2-3-5-6-4-4-1-2-1-5-2-1-1-3-4-6-5-1-3-4-4-3-3-4-1-1-6-4-4-5

sf::13:279:7:237:273:132:235:23:271:3:233:2:
:161:82:160:96:86:76:147:146:::211:178:218:182:209:213:174:186:
:107:106:72:102:118:137:117:116:::49:64:40:246:242:144:55:220:
Perm. No.: 13300867812584708452362439898130641

$\text{♩} = 90$

The musical score is written for four instruments: Flute, Violin, Cello, and Clavier. It is organized into six systems of staves. The first three systems (measures 1-20) feature the Flute, Violin, and Cello. The last two systems (measures 21-37) feature the Clavier. The music is in 3/4 time with a key signature of one sharp (F#). It includes various musical notations such as triplets, slurs, and dynamic markings like 'sf'.

For audio (midi): [sf-5-1-6-4-6-3-3-5-6-1-3-1-1-6-2-3-5-6-4-4-1-2-1-5-2-1-1-3-4-6-5-1-3-4-4-3-3-4-1-1-6-4-4-5.mid](#)

5-2-3-2-1-3-2-5-1-1-4-6-4-6-2-4-2-5-4-3-6-3-1-5-1-5-3-2-1-4-4-2-1-5-6-4-3-6-3-6-4-1-4-2

sf::13:268:232:22:10:132:261:23:12:3:131:280:
:90:82:160:151:159:88:147:91:::169:189:218:182:217:193:190:179:
:135:122:32:113:104:27:103:136:::49:245:56:36:222:244:55:42:
Perm. No.: 4383389776044263343599122511167019

$\text{♩} = 90$

The musical score is written for four instruments: Flute, Violin, Cello, and Clavier. It is in 2/4 time with a key signature of one sharp (F#). The tempo is marked as $\text{♩} = 90$. The score is divided into six systems. The first three systems (measures 1-12) feature Flute, Violin, and Cello. The last two systems (measures 29-36) feature Clavier. The music includes various musical notations such as slurs, ties, and triplets.

For audio (midi): [sf-5-2-3-2-1-3-2-5-1-1-4-6-4-6-2-4-2-5-4-3-6-3-1-5-1-5-3-2-1-4-4-2-1-5-6-4-3-6-3-6-4-1-4-2.mid](#)

5-3-4-2-5-4-6-6-5-6-1-3-6-2-6-2-5-5-4-5-1-5-3-4-4-4-1-6-3-1-2-4-3-5-4-2-3-1-2-6-4-1-6-3

sf::13:238:133:22:262:236:9:4:260:275:270:128:
:74:157:80:89:86:88:147:154:::211:207:202:188:191:187:174:212:
:115:139:111:28:118:27:117:108:::49:37:44:36:222:244:38:50:
Perm. No.: 8232543458062903391682051632192885

$\text{♩} = 90$

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-5-3-4-2-5-4-6-6-5-6-1-3-6-2-6-2-5-5-4-5-1-5-3-4-4-4-1-6-3-1-2-4-3-5-4-2-3-1-2-6-4-1-6-3.mid](#)

6-1-4-5-6-2-5-6-3-3-3-1-3-2-3-5-5-2-1-4-4-5-5-1-4-5-4-6-5-3-2-1-5-5-5-1-2-6-3-4-5-3-2-3

sf:::1:279:133:278:273:20:16:4:127:129:233:2:
:145:157:149:156:86:155:158:146:::185:207:183:214:191:193:201:212:
:135:29:111:102:31:27:112:100:::41:245:56:52:62:43:241:50:
Perm. No.: 6477614859038831347349798470649346

♩ = 90

The musical score is written for four instruments: Flute, Violin, Cello, and Clavier. It is organized into four systems of staves. The first system (measures 1-5) features Flute, Violin, and Cello. The second system (measures 6-12) continues with the same instruments. The third system (measures 13-20) introduces the Clavier. The fourth system (measures 21-28) continues with the Clavier. The score includes various musical notations such as notes, rests, and dynamic markings like 'sf'.

For audio (midi): [sf-6-1-4-5-6-2-5-6-3-3-3-1-3-2-3-5-5-2-1-4-4-5-5-1-4-5-4-6-5-3-2-1-5-5-5-1-2-6-3-4-5-3-2-3.mid](#)

6-3-6-3-5-4-5-2-1-4-6-4-2-1-4-2-3-3-1-1-6-4-4-2-1-2-1-3-4-4-2-6-4-3-6-6-3-4-3-5-3-5-1-6

sf:::1:238:7:126:262:236:16:264:12:229:8:228:
:153:165:94:89:148:150:158:75:::169:199:192:206:217:205:174:186:
:107:122:111:138:141:120:103:66:::49:64:56:47:54:224:59:240:
Perm. No.: 14794319704345769990272894837911126

♩ = 90

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Flute

Violin

Cello

Clavier

Clavier

For audio (midi): [sf-6-3-6-3-5-4-5-2-1-4-6-4-2-1-4-2-3-3-1-1-6-4-4-2-1-2-1-3-4-4-2-6-4-3-6-6-3-4-3-5-3-5-1-6.mid](#)

6-4-3-2-6-5-5-6-5-4-4-4-3-2-1-2-2-1-1-4-2-5-6-6-4-5-5-6-1-6-1-1-3-4-4-5-6-3-5-2-5-4-1-6

sf::1:134:232:22:273:266:16:4:260:229:131:228:
:145:157:168:89:159:163:158:146:::203:207:176:172:191:193:208:212:
:135:106:105:102:118:137:117:26:::239:53:225:223:62:144:59:240:
Perm. No.: 14734875415136807622972161933906568

♩ = 90

The musical score is written for four instruments: Flute, Violin, Cello, and Clavier. It is in 3/4 time with a key signature of one sharp (F#). The tempo is marked as ♩ = 90. The score is divided into six systems. The first three systems (measures 1-12) feature Flute, Violin, and Cello. The last two systems (measures 21-37) feature Clavier. The music is in 3/4 time with a key signature of one sharp (F#). Measure numbers 6, 13, 21, and 29 are indicated at the start of their respective systems.

For audio (midi): [sf-6-4-3-2-6-5-5-6-5-4-4-4-3-2-1-2-2-1-1-4-2-5-6-6-4-5-5-6-1-6-1-1-3-4-4-5-6-3-5-2-5-4-1-6.mid](#)

6-4-6-5-1-4-6-1-6-1-4-3-1-2-4-1-1-6-1-4-6-3-6-1-1-1-2-4-1-4-2-1-6-3-2-6-3-4-1-1-1-2-5-6

sf::1:134:7:278:10:236:9:276:271:3:131:128:
:161:157:94:79:167:76:158:146:::169:189:176:214:217:213:180:196:
:135:122:111:102:71:120:30:66:::49:64:40:246:39:35:46:240:
Perm. No.: 16442233588771652938017592307535756

♩ = 90

The musical score is written for four instruments: Flute, Violin, Cello, and Clavier. It is in 3/4 time with a key signature of one sharp (F#). The tempo is marked as ♩ = 90. The score is divided into six systems. The first three systems (measures 1-12) feature Flute, Violin, and Cello. The last two systems (measures 29-36) feature Clavier. The music is in 3/4 time with a key signature of one sharp (F#). Measure numbers 6, 13, 21, and 29 are indicated at the start of their respective systems.

For audio (midi): [sf-6-4-6-5-1-4-6-1-6-1-4-3-1-2-4-1-1-6-1-4-6-3-6-1-1-1-2-4-1-4-2-1-6-3-2-6-3-4-1-1-1-2-5-6.mid](#)

6-5-4-5-1-4-5-3-1-6-4-2-6-6-3-2-6-1-6-2-2-5-1-2-6-5-1-5-5-4-4-4-6-2-5-6-6-1-4-1-6-3-5-2

sf::1:17:133:278:10:236:16:230:12:275:131:18:
:74:82:149:89:77:163:92:84:::203:207:218:206:175:193:174:204:
:135:122:32:28:71:109:112:66:::239:37:61:246:242:43:46:42:
Perm. No.: 5040720804874673257551955072292106

$\text{♩} = 90$

The musical score is presented in six systems. The first three systems (measures 1-12) feature Flute, Violin, and Cello. The last two systems (measures 29-36) feature Clavier. The music is in 3/4 time with a key signature of one sharp (F#). The score includes various musical notations such as eighth notes, sixteenth notes, and triplets.

For audio (midi): [sf-6-5-4-5-1-4-5-3-1-6-4-2-6-6-3-2-6-1-6-2-2-5-1-2-6-5-1-5-5-4-4-4-6-2-5-6-6-1-4-1-6-3-5-2.mid](#)

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