

A handwritten musical score consisting of two staves. The top staff uses a treble clef and the bottom staff uses a bass clef. The music is written in a style that appears to be a sketch or a personal notation system, featuring various notes, rests, and accidentals.

The score is divided into two measures by a vertical bar line. The first measure contains several notes and rests, with some notes having accidentals (sharps and flats). The second measure continues the notation, including a double bar line at the end.

Key features of the notation include:

- Notes with stems and dots, some with accidentals (sharps and flats).
- Rests and curved lines indicating phrasing or breath marks.
- Accidentals (sharps and flats) placed above or below notes.
- A double bar line at the end of the second measure.

m.16

- 6-Z10: 10,0,1,2,4,5 IT₁₀
- 6-Z10: 0,1,3,4,5,7 IT₅
- 6-Z44: 11,2,3,6,7,8 IT₂
- 6-Z44: 7,10,11,2,3,4 T₈
- 6-Z44: 3,6,7,10,11,0 T₈
- 6-Z44: 10,11,0,3,4,7 IT₁₀
- 6-14: 9,10,0,1,2,5 T₈
- 6-Z39: 9,0,1,2,3,5 IT₁₁ ← 6-Z10
- 6-Z10: 6,7,9,10,11,1 IT₅ ← 6-Z39
- 6-Z10: 6,8,9,10,0,1 IT₇
- 6-Z44: 0,3,4,7,8,9 IT₇
- 6-Z44: 5,8,9,0,1,2 T₅
- 6-Z44: 4,7,8,11,0,1 T₁₁
- 6-Z39: 8,11,0,1,2,4 T₉ ← 6-Z10
- 6-Z39: 1,4,5,6,7,9 T₅ ← 6-Z39
- 6-Z44: 2,5,6,9,10,11 T₁₀
- 6-Z10: 2,3,5,6,7,9 IT₅ ← 6-Z39
- 6-Z10: 11,1,2,3,5,6 IT₈
- 6-Z10: 3,5,6,7,9,10 T₄
- 6-Z10: 6,7,9,10,11,1 IT₄
- 6-Z10: 5,7,8,9,11,0 IT₆
- 6-Z44: 2,5,6,9,10,11 T₀
- 6-Z10: 5,6,8,9,10,0 IT₅
- 6-Z10: 2,4,5,6,8,9 IT₂
- 6-Z10: 9,10,0,1,2,4 IT₆
- 6-Z10: 6,8,9,10,0,1 IT₁₀
- 6-Z10: 8,10,11,0,2,3 T₂

m.19

6-14: 11,0,2,3,4,7 T_2
 6-244: 10,11,0,3,4,7 IT_9
 6-14: 11,0,2,3,4,7 T_0
 6-210: 7,9,10,11,1,2 T_{11}
 6-219: 8,9,11,0,3,4 $IT_5 \leftarrow 6-244$
 6-244: 2,3,4,7,8,11
 6-14: 3,4,6,7,8,11
 6-210: 11,1,2,3,5,6

 6-210: 8,10,11,0,2,3
 6-14: 9,10,0,1,2,5
 6-244: 7,10,11,2,3,4
 6-210: 5,6,8,9,10,0
 6-210: 6,7,9,10,11,1
 6-210: 6,8,9,10,0,1
 6-244: 5,6,7,10,11,2
 6-244: 4,5,6,9,10,1
 6-244: 2,5,6,9,10,11
 6-14: 3,6,7,8,10,11
 6-14: 5,8,9,10,0,1
 6-14: 1,4,5,6,8,9
 6-244: 9,0,1,4,5,6
 6-210: 0,2,3,4,6,7
 6-210: 0,1,3,4,5,7

m.22

6-Z10: 2,4,5,6,8,9

6-Z10: 2,3,5,6,7,9

6-Z44: 1,2,3,6,7,10

6-Z10: 6,7,9,10,11,1

6-Z10: 7,8,10,11,0,2

6-14: 9,10,0,1,2,5

6-Z44: 7,10,11,2,3,4

6-Z10: 6,7,9,10,11,1

6-Z44: 5,8,9,0,1,2

6-Z44: 11,0,1,4,5,8

6-Z39: 11,1,2,3,4,7

6-Z44: 0,3,4,7,8,9

6-Z10: 7,8,10,11,0,2

6-Z39: 1,4,5,6,7,9

6-Z44: 5,6,7,10,11,2

6-Z10: 10,11,1,2,3,5

6-Z10: ^{2 TIME!} 9,11,0,1,3,4

6-Z44: 7,10,11,2,3,4

6-14: 11,0,2,3,4,7

6-14: 7,10,11,0,2,3

6-14: 2,5,6,7,9,10

6-Z44: 9,10,11,2,3,6

6-Z10: 11,1,2,3,5,6

6-Z44: 9,0,1,4,5,6

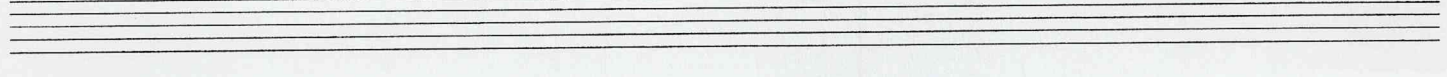
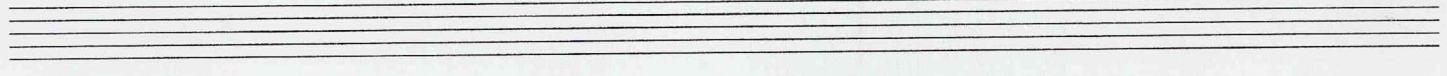
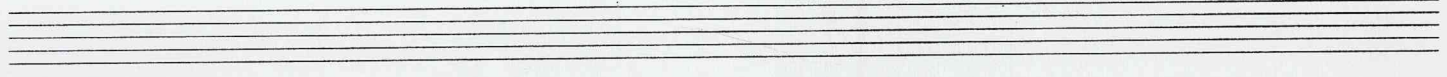
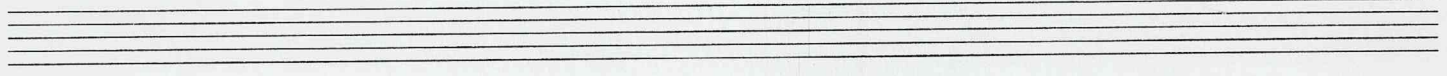
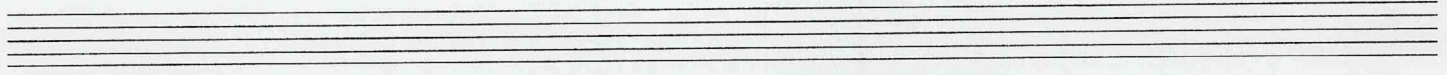
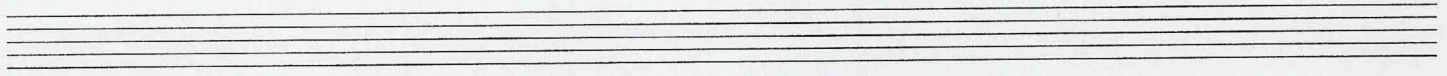
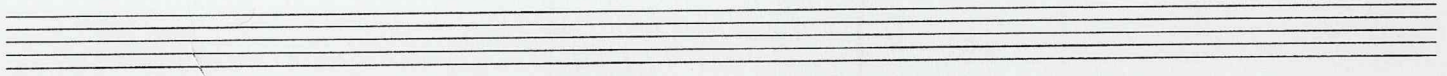
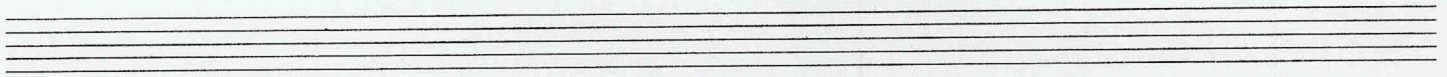
6-Z44: 4,7,8,11,0,1

6-Z10: 10,0,1,2,4,5
6-Z44: 9,0,1,4,5,6
6-Z10: 9,10,0,1,2,4
6-Z44: 9,10,11,2,3,6
6-Z44: 7,10,11,2,3,4
6-14: 9,10,0,1,2,5
6-Z44: 6,9,10,1,2,3
6-Z10: 8,9,11,0,1,3
6-Z10: 8,10,11,0,2,3
6-14: 9,10,0,1,2,5
6-Z44: 6,9,10,1,2,3
6-14: 9,10,0,1,2,5
(2 times)
6-Z44: 7,10,11,2,3,4
6-Z10: 6,9,10,1,2,3
6-Z10: 7,8,10,11,0,2
6-Z10: 6,7,9,10,11,1
6-Z10: 6,8,9,10,0,1
6-14: 9,10,0,1,2,5
6-Z44: 7,10,11,2,3,4
6-Z10: 5,7,8,9,11,0
6-Z44: 5,6,7,10,11,2
6-Z10: 3,5,6,7,9,10
6-Z10: 3,4,6,7,8,10
6-Z10: 5,6,8,9,10,0
6-Z10: 3,5,6,7,9,10
6-14: 9,10,0,1,2,5

Pushendu I E

13 1 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 1 2 3 4 5 6 7 8 9



A handwritten musical score for guitar, presented on a grand staff with a treble clef on the upper staff and a bass clef on the lower staff. The music is written in a key with one sharp (F#) and consists of two measures separated by a bar line. The notation includes various chords and melodic lines, with some notes marked with a flat (b) and a sharp (#). The score is written in a style characteristic of guitar tablature, with notes often placed on the staff lines to indicate fretting positions. The first measure contains several chords and a melodic line in the bass clef. The second measure continues the piece with more complex chordal structures and a melodic line in the treble clef.

Forms of 6-Z44 (A)

T						
0	7	10	11	2	3	4
1	8	11	0	3	4	5
2	9	0	1	4	5	6
3	10	1	2	5	6	7
4	11	2	3	6	7	8
5	0	3	4	7	8	9
6	1	4	5	8	9	10
7	2	5	6	9	10	11
8	3	6	7	10	11	0
9	4	7	8	11	0	1
10	5	8	9	0	1	2
11	6	9	10	1	2	3

IT						
0	8	9	10	1	2	5
1	7	8	9	0	1	4
2	6	7	8	11	0	3
3	5	6	7	10	11	2
4	4	5	6	9	10	1
5	3	4	5	8	9	0
6	2	3	4	7	8	11
7	1	2	3	6	7	10
8	0	1	2	5	6	9
9	11	0	1	4	5	8
10	10	11	0	3	4	7
11	9	10	11	2	3	6

✓ 5-237 inv. ✓ 5-22 inv.

Forms of 6-14 (B)

T						
0	9	10	0	1	2	5
1	10	11	1	2	3	6
2	11	0	2	3	4	7
3	0	1	3	4	5	8
4	1	2	4	5	6	9
5	2	3	5	6	7	10
6	3	4	6	7	8	11
7	4	5	7	8	9	0
8	5	6	8	9	10	1
9	6	7	9	10	11	2
10	7	8	10	11	0	3
11	8	9	11	0	1	4

IT						
0	7	10	11	0	2	3
1	6	9	10	11	1	2
2	5	8	9	10	0	1
3	4	7	8	9	11	0
4	3	6	7	8	10	11
5	2	5	6	7	9	10
6	1	4	5	6	8	9
7	0	3	4	5	7	8
8	11	2	3	4	6	7
9	10	1	2	3	5	6
10	9	0	1	2	4	5
11	8	11	0	1	3	4

✓ 5-219 inv. ✓ 5-237 inv.

Forms of 6-Z10 (C)*

T						
0	5	6	8	9	10	0
1	6	7	9	10	11	1
2	7	8	10	11	0	2
3	8	9	11	0	1	3
4	9	10	0	1	2	4
5	10	11	1	2	3	5
6	11	0	2	3	4	6
7	0	1	3	4	5	7
8	1	2	4	5	6	8
9	2	3	5	6	7	9
10	3	4	6	7	8	10
11	4	5	7	8	9	11

IT						
0	0	2	3	4	6	7
1	11	1	2	3	5	6
2	10	0	1	2	4	5
3	9	11	0	1	3	4
4	8	10	11	0	2	3
5	7	9	10	11	1	2
6	6	8	9	10	0	1
7	5	7	8	9	11	0
8	4	6	7	8	10	11
9	3	5	6	7	9	10
10	2	4	5	6	8	9
11	1	3	4	5	7	8

✓ 5-8 inv.

* NOTE THAT DESIGNATION OF PRIME BASED ON SECOND (THEMATIC) OCCURRENCE

Forms of 6-Z19 (\bar{A})

T						
0	5	6	8	9	0	1
1	6	7	9	10	1	2
2	7	8	10	11	2	3
3	8	9	11	0	3	4
4	9	10	0	1	4	5
5	10	11	1	2	5	6
6	11	0	2	3	6	7
7	0	1	3	4	7	8
8	1	2	4	5	8	9
9	2	3	5	6	9	10
10	3	4	6	7	10	11
11	4	5	7	8	11	0

IT						
0	11	0	3	4	6	7
1	10	11	2	3	5	6
2	9	10	1	2	4	5
3	8	9	0	1	3	4
4	7	8	11	0	2	3
5	6	7	10	11	1	2
6	5	6	9	10	0	1
7	4	5	8	9	11	0
8	3	4	7	8	10	11
9	2	3	6	7	9	10
10	1	2	5	6	8	9
11	0	1	4	5	7	8

Forms of 6-Z39 (\bar{C})

T						
0	11	1	2	3	4	7
1	0	2	3	4	5	8
2	1	3	4	5	6	9
3	2	4	5	6	7	10
4	3	5	6	7	8	11
5	4	6	7	8	9	0
6	5	7	8	9	10	1
7	6	8	9	10	11	2
8	7	9	10	11	0	3
9	8	10	11	0	1	4
10	9	11	0	1	2	5
11	10	0	1	2	3	6

IT						
0	5	8	9	10	11	1
1	4	7	8	9	10	0
2	3	6	7	8	9	11
3	2	5	6	7	8	10
4	1	4	5	6	7	9
5	0	3	4	5	6	8
6	11	2	3	4	5	7
7	10	1	2	3	4	6
8	9	0	1	2	3	5
9	8	11	0	1	2	4
10	7	10	11	0	1	3
11	6	9	10	11	0	2

Schoenberg, Op. 23/4

6-244: {7, 10, 11, 2, 3, 4}

6-14: {9, 10, 0, 1, 2, 5}

6-210: {8, 10, 11, 0, 2, 3}

6-244: {7, 8, 9, 0, 1, 4}

6-210: {6, 8, 9, 10, 0, 1} - but not a seq. in m. 25

6-14: {11, 1, 2, 3, 4, 7}

6-244: {0, 3, 4, 7, 8, 9}

6-210: {7, 8, 10, 11, 0, 2}

6-239: {1, 4, 5, 6, 7, 9}

6-14: {2, 5, 6, 7, 9, 10}

? 6-219: {9, 10, 0, 1, 4, 5}

6-210: {10, 11, 2, 3, 5}

6-14: {11, 0, 2, 3, 4, 7}

6-219: {0, 1, 4, 5, 7, 8}

6-244: {9, 0, 1, 4, 5, 6}

6-239: {9, 0, 1, 2, 3, 5}

6-14: {9, 10, 0, 1, 2, 5}

6-210: {5, 6, 8, 9, 10, 0}

6-244 (natural) [5, 7, 9, 0, 1, 2]

6-244: {5, 6, 7, 10, 11, 2}

6-239: {11, 1, 2, 3, 4, 7}

6-244: {10, 11, 2, 5, 6, 7}

6-210: {9, 11, 0, 1, 3, 4}

6-210: {10, 11, 1, 2, 3, 5}

6-14: {6, 7, 9, 10, 11, 2}

6-210: {6, 7, 9, 10, 11, 2}

6-244: {7, 10, 11, 2, 3, 4}

6-244: {8, 9, 10, 11, 2, 5}

6-210: {6, 7, 9, 10, 11, 2}

6-210: {7, 9, 10, 11, 1, 2}

6-244: {2, 10, 11, 2, 3, 4}

6-14: {8, 9, 11, 0, 1, 4}

? 6-219: {2, 4, 5, 6, 8, 9}

6-210: {6, 7, 8, 10, 11}

6-219: {10, 11, 2, 5, 6}

6-219: {7, 8, 10, 11, 2, 3}

6-244: {2, 3, 4, 7, 8, 11}

6-244: {6, 7, 8, 10, 11, 2}

6-244: {0, 1, 2, 3, 4, 7}

6-244: {4, 7, 8, 10, 11}

(same)

6-244: {4, 5, 6, 9, 10, 11}

6-14: {9, 10, 0, 1, 2, 5}

6-210: {6, 8, 9, 10, 0, 1}

6-14: {9, 10, 0, 1, 2, 5}

6-210: {0, 1, 3, 4, 5, 7}

6-244: {7, 8, 9, 0, 1, 4}

6-14: {4, 5, 7, 8, 9, 0}

6-239: {10, 1, 2, 3, 4, 6}

6-244: {0, 3, 4, 7, 8, 9}

6-239: {0, 2, 3, 4, 5, 8}

6-210: {4, 5, 7, 8, 9, 11}

6-210: {5, 7, 8, 9, 11, 0}

6-14: {8, 11, 0, 1, 3, 4}

Note: 6-210 in m. 1 and all of m. 2 (see below) enclosed by S. in colored pencil (Red)

* All of m. 2 in 10-1 (with pcs 3, 4 excluded), 6-244 occurs 6 times in 10-1, and the only unaccented pcs over all occurrences are 2 and 5

6-210
consec. ic₄

6-14
consec. ic₃

6-244
1 ic₃ + 2 ic₄

(18)

Chords: $T_5(A)$, $T_{10}(A)$, $T_9(A)$, $T_7(A)$, $IT_{10}(A)$, $T_3(A)$, $IT_6(A)$, $T_0(A)$, $IT_3(A)$, $IT_4(A)$, $T_7(A)$, $IT_4(B)$, $IT_2(B)$, $IT_6(B)$

Chords: $IT_6(c)$, $T_1(c)$, $IT_9(\epsilon)$, $IT_4(\epsilon)$, $IT_9(c)$, $T_1(c)$, $IT_9(c)$, $IT_7(c)$, $T_0(c)$, $T_4(c)$, $IT_6(c)$, $IT_5(c)$, $IT_1(c)$, $IT_4(c)$, $T_0(c)$, $IT_6(c)$, $IT_0(c)$, $T_7(c)$

(22)

Chords: $IT_7(A)$, $T_3(A)$, $T_9(c)$, $IT_{10}(c)$, $T_1(c)$, $T_2(c)$, $T_1(A)$, $T_6(A)$, $IT_9(A)$, $T_5(A)$, $T_1(c)$, $T_6(\epsilon)$, $T_2(c)$, $IT_4(\epsilon)$, $IT_3(c)$, $IT_5(c)$, $IT_3(A)$, $T_0(A)$, $IT_{11}(A)$, $T_2(A)$, $IT_5(B)$, $T_9(A)$, $T_2(A)$, $IT_{11}(A)$, $IT_2(c)$, $T_4(c)$

REPRISE

(30)

Chords: $T_{11}(A)$, $T_{10}(B)$, $T_{11}(A)$, $T_6(B)$, $T_6(A)$, $T_{11}(A)$, $T_6(A)$, $IT_5(A)$, $T_6(B)$, $T_0(B)$, $T_0(B)$

Chords: $T_3(c)$, $IT_4(c)$, $T_2(c)$, $T_1(c)$, $IT_6(c)$, $IT_7(c)$, $IT_9(c)$, $IT_{10}(c)$, $T_0(c)$, $IT_9(c)$

See also Rufer's comments on sketch of second piece found by Maegaard (p.23)

Schoenberg, Op.23/4
Chronological placement

Date of copy 2
(Rufer, p.23)

Begun

Completed

Op.23/1

July, 1920

April 18, 1923

Op.23/2

July 27, 1920

April 30, 1923

with name
Op.23/3

Feb. 6, 1923 (Sketchbook)

Feb. 9, 1923
(Sketchbook)

March 17, 1923

Op.23/4

July 26, 1920
(July 20, 1920 in sketchbook
V-Rufer, p. 115) Continued
on Feb.10, 1923

Feb. 13, 1923

March 14, 1923

with name
Op.23/5

Feb.17, 1923
(Sketchbook)

March 14, 1923

REVISED READING
OF M. 16 F.

T₁₁(B)
6-14: {8, 9, 11, 0, 1, 4}

T₇(B)
6-14: {4, 5, 7, 8, 9, 0}

IT₈(C)
6-210: {4, 6, 7, 8, 10, 11}

T₅(A)
6-219: {10, 11, 1, 2, 5, 6}

T₁(E)
6-239: {0, 2, 3, 4, 5, 8}

IT₁₀(E)
6-210: {2, 4, 5, 6, 8, 9}

Handwritten musical notation on a staff. It features several notes with accidentals (flats and sharps) and stems. Some notes are circled, and there are dashed lines connecting different parts of the notation. The notes appear to be: b₂, b₃, b₄, b₅, b₆, b₇, b₈, b₉, b₁₀, b₁₁, b₁₂.

Handwritten musical notation on a staff, circled. It shows notes with accidentals and stems.

6-14: {4, 7, 8, 9, 11, 0}

IT₃(B)

6-210: {5, 7, 8, 9, 11, 0}

IT₇(E)

new 6-244: {0, 3, 4, 7, 8, 9}

T₃(A)

6-210: {5, 7, 8, 9, 11, 0}

IT₇(C)

Handwritten musical notation on a staff, circled. It shows notes with accidentals and stems.

~~6-239: {4, 6, 7, 8, 9, 0}~~

6-210: {7, 8, 10, 11, 0, 2} - as before
T₂(C)

add 6-239: {4, 6, 7, 8, 9, 0} for PCB
T₅ (as before)

Schubert, op. 23/4 m. 19 } Notated to show component sets (6-244 and 6-219 and 6-14 at pattern intersections not shown)

t=3

t=4

6-210 IT₁ {1,1,2,3,5,6?} 6-210 IT₁₀ {2,4,5,6,8,9?}

IT₁₀
6-244: {10,11,0,3,4,7?}

6-210 T₁ {6,7,9,10,11,1?} 6-210 T₄ {9,10,0,1,2,4?}

6-210 IT₁ {1,1,2,3,5,6?}

6-210 IT₁₀ {2,4,5,6,8,9?}

IT₁₀
6-244: {10,11,0,3,4,7?}

6-210 T₁ {6,7,9,10,11,1?}

6-210 T₄ {9,10,0,1,2,4?}

T₂
6-14: {1,0,2,3,4,7?}

6-210 T₉ {2,3,5,6,7,9?}

6-210 T₀ {5,6,8,9,10,0?}

IT₅
6-210: {9,9,10,11,1,2?}

6-210 IT₉ {3,5,6,7,9,10?}

6-210 IT₆ {6,8,9,10,0,1?}

6-210 IT₉ {3,5,6,7,9,10?}

6-210 IT₆ {6,8,9,10,0,1?}

IT₅
6-210: {9,9,10,11,1,2?}

6-210 IT₁₁ {5,7,8,9,11,0?}

6-210 IT₄ {8,10,11,0,2,3?}

IT₆
6-244: {2,3,4,7,8,11?}

IT₆
6-244: {2,3,4,7,8,11?}

T₆
6-14: {3,4,6,7,8,11?}

T₆
6-14: {3,4,6,7,8,11?}

IT₁
6-210 {1,1,2,3,5,6?}

IT₁
6-210 {1,1,2,3,5,6?}

Schuberg, Op. 23/4

SET-COMPLEX RELATIONS

FOR 3 HEXACHORDS AND

THEIR COLLECTIVE SUBSETS

	k	10	20	20	*	18	21	14	13	19	20	15	21	19	18	21	19	20	17	10	19	15	18	18	20		
	k	k _n	k _n																								
			4-1	4-2	4-3	4-4	4-5	4-7	4-8	4-10	4-11	4-12	4-13	4-14	4-15	4-16	4-17	4-18	4-19	4-20	4-21	4-22	4-24	4-28	4-27	4-29	
19		5-2	k _n	k _n	k	k _n	k	k		k _n	k _n	k	k	k	k	k	k			k	k				k		
22		5-3	k	k _n	k _n	k _n	k	k _n		k	k _n	k	k	k		k	k	k	k	k	k	k	k	k	k	k	
20		5-4	k _n	k	k	k _n	k _n	k	k	k	k	k _n	k _n	k	k	k	k	k			k	k				k	
20		5-6	k	k	k	k _n	k _n	k _n	k _n			k	k	k	k _n	k	k	k	k	k		k	k			k	
17		5-8	k	k _n	k	k	k			k	k	k _n	k					k			k		k	k	k	k	
* 24		5-11	k	k _n	k	k _n	k	k	k	k	k	k	k	k _n	k	k	k _n		k	k		k _n	k	k	k	k	
21		5-12		k _n	k	k	k _n	k	k		k	k		k	k	k	k	k	k _n	k	k	k	k _n			k	k _n
22		5-16	k	k	k _n	k	k	k	k	k	k	k _n	k			k _n	k _n	k	k			k	k	k	k	k _n	
19		5-17		k	k _n	k	k	k	k		k		k _n	k		k	k	k _n	k	k	k		k	k		k	
* 24		5-18	k	k		k	k	k _n	k	k	k	k _n	k	k _n	k	k _n	k	k _n	k	k		k	k	k	k	k	
19		5-20		k		k	k	k	k _n			k	k _n	k	k _n	k	k	k	k _n		k	k	k	k	k	k _n	
22		5-21		k	k	k	k	k _n	k		k	k		k	k	k	k _n	k	k _n	k _n		k	k	k	k	k	
17		5-22		k	k	k	k	k _n			k	k	k	k	k	k _n	k _n	k						k	k	k	
19		5-24	k	k		k	k		k	k _n	k	k	k	k	k _n				k		k _n	k _n	k	k	k	k _n	
19		5-25		k	k	k		k	k _n	k	k	k _n	k	k	k	k	k			k	k		k _n	k _n	k _n		
21		5-26		k	k	k	k	k		k _n	k _n		k	k	k	k	k	k	k _n	k	k	k	k _n	k	k _n	k	
20		5-27		k	k	k		k	k	k _n	k	k	k _n	k	k	k	k	k	k	k _n		k _n	k	k _n	k	k	
20		5-32		k			k	k	k	k	k	k	k _n	k	k _n	k _n	k	k			k	k	k _n	k _n	k	k	
20		5-37		k	k	k _n		k	k		k	k	k		k	k	k	k _n	k	k		k	k		k _n	k	
22		5-38		k	k	k _n	k _n	k	k	k	k	k	k	k	k	k	k	k _n	k	k _n		k	k		k _n	k	5-2 5-3 5-4 5-6 5-8 5-11 5-12 5-16 5-17 5-18 5-20 5-21 5-22 5-24 5-25 5-26 5-27 5-32 5-38
17		6-14		k _n	k _n	k _n		k _n		k _n		k _n		k _n	k _n	k _n				k _n		k _n				k _n	
* 33		6-20/6-23	k	k _n	k	k _n	k	k		k	k _n	k _n	k	k		k	k	k	k		k	k	k	k	k	k	k
26		6-21/6-24		k	k	k	k _n	k _n			k	k	k	k	k _n	k _n	k _n	k _n			k	k	k			k	k

Schoenberg, Piano Piece, Op. 23, No. 4, measures 1-14 (first draft)

Seite I N.M.

Handwritten musical score for Schoenberg's Piano Piece, Op. 23, No. 4, measures 1-14 (first draft). The score is written on five systems of staves, each system containing two staves (treble and bass clef). The notation is dense and includes various musical symbols, including notes, rests, accidentals, and dynamic markings such as *mf*, *pp*, and *crava*. There are several large, hand-drawn circles and scribbles over parts of the music, indicating areas of revision or emphasis. The score is heavily annotated with handwritten notes and markings, including circled numbers (6, 10) and various letters and symbols. The overall appearance is that of a working draft, with many corrections and additions.

Handwritten musical notation on a grand staff. The notation is heavily obscured by large, overlapping geometric shapes (triangles and rectangles) drawn in black ink. The shapes appear to be connecting notes across staves or highlighting specific intervals. The notes themselves are mostly eighth and sixteenth notes. There are some annotations above the staff, including "m. 1" and "6-244: {9, 10, 11, 2, 3, 4}" and "6-244: {8, 9, 10, 1, 2, 5?}".

Handwritten musical notation on a grand staff, starting at measure 8. The notation is heavily obscured by large, overlapping geometric shapes. Annotations include "m. 2", "6-210: {6, 7, 9, 10, 11, 13}", "III", "6-210: {7, 9, 10, 11, 12}", "m. 1", "6-244: {7, 9, 10, 11, 2, 3, 4}", "6-14: {8, 9, 10, 1, 4}", "6-210: {2, 4, 5, 6, 9, 11}", "6-219: {4, 5, 8, 9, 11, 0}", "6-210: {4, 6, 7, 8, 9, 11}", "6-14: {9, 10, 1, 2, 5, 13}", "m. 2", "6-210: {6, 8, 9, 10, 11, 13}", "6-14: {9, 10, 1, 2, 5, 13}", "6-210: {3, 4, 5, 7, 9, 11}", "6-239: {4, 6, 7, 8, 9, 11}", "6-210: {5, 7, 8, 9, 11, 0}", "6-14: {4, 5, 7, 8, 9, 11}", "6-210: {9, 10, 11, 9, 12}", "6-244: {2, 5, 6, 9, 10, 11}", "6-210: {10, 11, 0, 1, 2, 4, 7}", "6-244: {8, 9, 0, 1, 4}", "6-239: {8, 11, 0, 1, 2, 4, 7}", "6-244: {9, 0, 1, 4, 5, 6, 8}", "6-210: {10, 11, 0, 1, 2, 4, 7, 9, 11, 13}", "6-239: {11, 12, 3, 4, 7, 9, 11, 13}", "6-244: {9, 0, 1, 4, 5, 6, 8}", "6-210: {5, 7, 8, 9, 11, 0}", "6-14: {8, 11, 0, 1, 3, 4, 5, 8}", "6-210: {5, 7, 8, 9, 11, 0}", "6-14: {8, 11, 0, 1, 3, 4, 5, 8}", "6-210: {5, 6, 9, 10, 11, 13}", "6-239: {10, 11, 2, 5, 6, 8, 11, 13}", "6-239: {10, 11, 2, 3, 4, 6, 8, 11, 13}", "6-244: {8, 9, 10, 1, 2, 5, 13}", "6-210: {5, 6, 9, 10, 11, 13}"

SEE REVISID READING

Handwritten musical notation on a grand staff, starting at measure 11. The notation is heavily obscured by large, overlapping geometric shapes. Annotations include "6-219: {10, 11, 2, 5, 6, 8, 11, 13}", "6-219: {12, 5, 6, 8, 9, 11, 13}", "6-239: {10, 11, 2, 3, 4, 5, 8, 11, 13}", "6-210: {5, 7, 8, 9, 11, 0}", "6-210: {4, 5, 7, 8, 9, 11, 13}", "6-14: {8, 11, 0, 1, 3, 4, 5, 8}", "6-210: {5, 7, 8, 9, 11, 0}", "6-14: {8, 11, 0, 1, 3, 4, 5, 8}", "6-210: {5, 6, 9, 10, 11, 13}"

14

Handwritten musical score for measures 14 and 15. The score is written on two staves (treble and bass clef) with a 4/4 time signature. It features complex chordal textures with many overlapping notes and accidentals. Above the staves, there are several handwritten labels: T_8 (6-210: {1,2,4,5,6,8}), T_3 (6-210: {5,6,7,10,11,13}), IT_3 (6-210: {8,9,11,13}), T_4 (6-210: {9,10,12,4}), T_2 (6-14: {1,0,2,3,4,7}), and To (6-210: {5,6,8,9,10,3}). Below the staves, there are more labels: T_3 (6-14: {0,1,3,4,5,8}), IT_9 (6-244: {10,11,0,3,4,7}), T_7 (6-14: {10,12,3,5,6}), To (6-210: {5,6,8,9,10,3}), IT_7 (6-14: {4,5,7,8,9,0}), To (6-210: {5,6,8,9,10,3}), IT_7 (6-14: {4,5,7,8,9,0}), and IT_0 (6-14: {7,10,11,9,2,3}).

16

Handwritten musical score for measures 16 and 17. The score is written on two staves (treble and bass clef) with a 4/4 time signature. It features complex chordal textures with many overlapping notes and accidentals. Above the staves, there are several handwritten labels: T_7 (6-210: {0,1,3,4,5,7}), To (6-244: {7,10,11,2,3,4}), and $m1 To$ (6-14: {9,10,11,2,5}). Below the staves, there are more labels: T_4 (6-14: {1,2,4,5,6,9}), To (6-244: {9,7,8,11,0,3}), IT_8 (6-210: {10,0,1,2,4,5}), IT_10 (6-244: {11,2,3,4,7,8}), T_8 (6-244: {3,6,7,10,11}), IT_10 (6-244: {10,11,0,3,4,7}), and IT_8 (6-239: {9,9,1,2,3,5}).

18

Handwritten musical score for measures 18 and 19. The score is written on two staves (treble and bass clef) with a 4/4 time signature. It features complex chordal textures with many overlapping notes and accidentals. Above the staves, there are several handwritten labels: T_1 (6-210: {6,7,9,10,11}), $m2$ (6-210: {5,6,8,9,10,11}), IT_8 (6-244: {0,3,4,7,8,9}), T_5 (6-244: {0,3,4,7,8,9}), T_{10} (6-244: {5,8,9,0,1,2,3}), T_9 (6-244: {4,7,8,11,0,1}), and IT_4 (6-239: {1,4,5,6,7,9}). Below the staves, there are more labels: IT_9 (6-210: {2,3,5,6,7,9}), IT_1 (6-210: {11,1,2,3,5,6}), IT_7 (6-210: {5,7,8,9,11}), To (6-210: {5,6,8,9,10}), IT_{10} (6-210: {2,4,5,6,8,9}), IT_4 (6-210: {8,10,11,0,2,3}), IT_{10} (6-244: {10,11,0,3,4,7}), and T_2 (6-14: {11,0,2,3,4,7}).

19

Handwritten musical score for measures 19 and 20. The score is written on two staves (treble and bass clef) with a 4/4 time signature. It features complex chordal textures with many overlapping notes and accidentals. Above the staves, there are several handwritten labels: T_9 (6-210: {2,3,5,6,7,9}), IT_1 (6-210: {11,1,2,3,5,6}), IT_7 (6-210: {5,7,8,9,11}), To (6-210: {5,6,8,9,10}), IT_{10} (6-210: {2,4,5,6,8,9}), IT_4 (6-210: {8,10,11,0,2,3}), IT_{10} (6-244: {10,11,0,3,4,7}), and T_2 (6-14: {11,0,2,3,4,7}). Below the staves, there are more labels: IT_9 (6-210: {3,5,6,7,9,10}), T_1 (6-210: {6,7,9,10,11}), To (6-244: {2,5,6,9,10,11}), IT_6 (6-210: {9,10,0,1,2,4}), IT_4 (6-210: {5,6,8,9,10,11}), IT_{10} (6-244: {10,11,0,3,4,7}), T_2 (6-14: {11,0,2,3,4,7}), IT_5 (6-210: {7,9,10,11,1,2,3}), IT_9 (6-210: {3,5,6,7,9,10}), T_1 (6-210: {6,7,9,10,11}), To (6-244: {2,5,6,9,10,11}), IT_6 (6-210: {9,10,0,1,2,4}), IT_4 (6-210: {5,6,8,9,10,11}), IT_{10} (6-244: {10,11,0,3,4,7}), T_2 (6-14: {11,0,2,3,4,7}), IT_5 (6-210: {7,9,10,11,1,2,3}), T_3 (6-219: {8,9,11,0,3,4}), and IT_6 (6-244: {2,3,4,7,8,11}).

20

Handwritten musical score for measures 20 and 21. The score is written on two staves (treble and bass clef) with a 4/4 time signature. It features complex chordal textures with many overlapping notes and accidentals. Above the staves, there are several handwritten labels: T_9 (6-210: {2,3,5,6,7,9}), IT_1 (6-210: {11,1,2,3,5,6}), IT_7 (6-210: {5,7,8,9,11}), To (6-210: {5,6,8,9,10}), IT_{10} (6-210: {2,4,5,6,8,9}), IT_4 (6-210: {8,10,11,0,2,3}), IT_{10} (6-244: {10,11,0,3,4,7}), and T_2 (6-14: {11,0,2,3,4,7}). Below the staves, there are more labels: IT_9 (6-210: {3,5,6,7,9,10}), T_1 (6-210: {6,7,9,10,11}), To (6-244: {2,5,6,9,10,11}), IT_6 (6-210: {9,10,0,1,2,4}), IT_4 (6-210: {5,6,8,9,10,11}), IT_{10} (6-244: {10,11,0,3,4,7}), T_2 (6-14: {11,0,2,3,4,7}), IT_5 (6-210: {7,9,10,11,1,2,3}), T_3 (6-219: {8,9,11,0,3,4}), and IT_6 (6-244: {2,3,4,7,8,11}).

? 6-210: {2, 4, 7, 8, 10}

21

6-210: {6, 7, 9, 10, 11, 13}

IT4 6-14: {3, 6, 7, 8, 10, 11}

IT0 6-210: {0, 2, 3, 4, 6, 7}

T7 6-210: {0, 1, 3, 4, 5, 7}

T9 6-210: {2, 3, 5, 6, 7, 9}

6-210: {6, 8, 9, 10, 0, 1}

IT6 6-244: {5, 6, 9, 10, 11, 2}

IT3 6-244: {2, 5, 6, 9, 10, 11}

T7 6-244: {2, 5, 6, 9, 10, 11}

6-14: {5, 6, 9, 10, 11}

T2 6-244: {9, 0, 1, 4, 5, 6}

IT6 6-14: {6, 4, 5, 6, 8, 9}

IT10 6-210: {2, 4, 5, 6, 8, 9}

IT7 6-244: {1, 2, 3, 6, 7, 10}

also 6-244: {1, 0, 1, 2, 5, 6, 7}

23

6-210: {6, 7, 9, 10, 11, 13}

T1 6-210: {6, 7, 9, 10, 11, 13}

T0 6-244: {9, 10, 11, 2, 3, 4}

T1 m.2 6-210: {6, 7, 9, 10, 11, 13}

T5 6-244: {0, 3, 4, 7, 8, 9}

6-210: {2, 8, 10, 11, 0, 2}

T2 6-14: {9, 10, 0, 1, 2, 5}

m.1

T0 m.1 6-210: {2, 4, 5, 6, 8, 9, 1, 2, 3}

T10 6-244: {5, 6, 9, 0, 1, 2, 3}

IT9 6-244: {9, 10, 11, 2, 3, 4}

IT7 6-210: {9, 10, 11, 2, 3, 5}

6-239: {1, 1, 1, 2, 3, 4, 7}

26

IT4 m.3 6-239: {1, 4, 5, 6, 7, 8}

T4 6-210: {9, 10, 0, 1, 2, 4}

T0 6-244: {9, 10, 11, 2, 3, 4}

IT3 m.4 6-244: {5, 6, 7, 10, 11, 2}

IT0 6-210: {9, 10, 11, 2, 3, 5}

IT5 6-14: {9, 10, 11, 0, 2, 3}

T2 m.5 6-244: {9, 0, 1, 4, 5, 6, 3}

IT6 6-14: {9, 10, 11, 0, 2, 3}

IT11 6-210: {9, 10, 11, 2, 3, 5, 6}

IT10 6-244: {9, 10, 11, 2, 3, 0}

29

m.5 T2 6-244: {9, 0, 1, 4, 5, 6}

T4 6-210: {9, 10, 0, 1, 2, 4}

T0 6-244: {9, 10, 11, 2, 3, 4}

IT6 6-210: {9, 10, 11, 2, 3, 4, 5}

IT11 6-244: {9, 10, 11, 2, 3, 6}

T0 6-14: {9, 10, 0, 1, 2, 5}

IT4 6-244: {6, 8, 10, 1, 2, 3}

IT9 6-210: {8, 9, 11, 0, 1, 3}

IT11 6-244: {6, 9, 11, 1, 2, 3}

T0 6-210: {8, 10, 11, 0, 2, 3}

T0 6-14: {9, 10, 0, 1, 2, 5}

T0 6-210: {9, 10, 0, 1, 2, 5, 3}

T0 6-14: {9, 10, 0, 1, 2, 5}

32

T1 6-244: {6, 9, 10, 1, 2, 3, 3}

IT6 6-210: {6, 7, 9, 10, 11, 1}

T0 6-210: {6, 8, 9, 10, 0, 1}

T0 6-244: {9, 10, 11, 2, 3, 4}

T2 6-210: {9, 8, 10, 11, 0, 2}

T0 6-14: {9, 10, 0, 1, 2, 5}

IT4 6-244: {9, 10, 11, 2, 3, 4}

IT9 6-210: {3, 5, 6, 7, 9, 10}

IT7 6-210: {3, 5, 6, 7, 9, 10}

T0 6-210: {5, 3, 4, 6, 7, 8, 10}

IT10 6-210: {5, 6, 8, 9, 10, 0}

T0 6-14: {8, 10, 0, 1, 2, 5}

Global (with reference to prime) relations

Local (successive pairs) relations



Hexachord Succession -- by onset

$T_0(A)$	6-244: 7, 10, 11, 2, 3, 4	
$[IT_4(C)]$	6-210: 8, 10, 11, 0, 2, 3]	
$T_0(B)$	6-14: 9, 10, 0, 1, 2, 5	
$T_0(C)$	6-210: 5, 6, 8, 9, 10, 0	IT_8
$IT_1(A)$	6-244: 7, 8, 9, 0, 1, 4	IT_{11}
m.2 $IT_1(C)$	6-210: 6, 7, 9, 10, 11, 1	T_1
$IT_6(C)$	6-210: 6, 8, 9, 10, 0, 1	IT_7
$IT_5(B)$	6-14: 2, 5, 6, 7, 9, 10	IT_7
$IT_3(A)$	6-244: 5, 6, 7, 10, 11, 2	T_{10}
$T_0(\bar{C})$	6-239: 11, 1, 2, 3, 4, 7	$\overline{IT_6} \leftarrow 6-210$
$IT_2(B)$	6-14: 11, 0, 2, 3, 4, 7	IT_9
$T_5(A)$	6-244: 0, 3, 4, 7, 8, 9	IT_2
$T_2(C)$	6-210: 7, 8, 10, 11, 0, 2	IT_8
$IT_4(\bar{C})$	6-239: 1, 4, 5, 6, 7, 9	$\overline{IT_{10}} \leftarrow 6-210$ $IT_8 \leftarrow 6-239$ (literal complement of prime 6-210)
$IT_5(B)$	6-14: 2, 5, 6, 7, 9, 10	IT_9
$IT_3(C)$	6-210: 9, 11, 0, 1, 3, 4	$\overline{T_1} \leftarrow 6-239$ $IT_{11} \leftarrow 6-239$
$T_5(C)$	6-210: 10, 11, 1, 2, 3, 5	IT_2
$T_5(C)$	6-210: 10, 11, 1, 2, 3, 5	T_0
$T_0(A)$	6-244: 7, 10, 11, 2, 3, 4	T_7
$T_2(B)$	6-14: 11, 0, 2, 3, 4, 7	IT_9
$IT_{11}(\bar{A})$	6-219: 0, 1, 4, 5, 7, 8	$\overline{IT_1} \leftarrow 6-244$
$T_9(\bar{A})$	6-219: 2, 3, 5, 6, 9, 10	$\overline{IT_{10}} \leftarrow 6-219$ $\overline{T_9} \leftarrow 6-244$
$T_7(A)$	6-244: 2, 5, 6, 9, 10, 11	$\overline{T_{10}} \leftarrow 6-219$ $T_7 \leftarrow 6-244$
$T_2(A)$	6-244: 9, 0, 1, 4, 5, 6	$T_7 \leftarrow 6-244$

- m.6 T₉(A) 6-244: 4,7,8,11,0,1 T₇
(2 times)
- IT₄(A) 6-244: 4,5,6,9,10,1 IT₅
- T₀(A) 6-244: 7,10,11,2,3,4 IT₈
- IT₆(A) 6-244: 8,9,10,1,2,5 IT₀
- T₀(B) 6-14: 9,10,0,1,2,5 T₁₀
- T₁(C) 6-210: 6,7,9,10,11,1 T₈
- IT₆(C) 6-210: 6,8,9,10,0,1 IT₇
- IT₅(C) 6-210: 7,9,10,11,1,2 T₁
- T₀(B) 6-14: 9,10,0,1,2,5 T₀
- T₇(C) 6-210: 0,1,3,4,5,7 IT₂
- T₀(A) 6-244: 7,10,11,2,3,4 IT₀
- IT₁(A) 6-244: 7,8,9,0,1,4 IT₁₁
- IT₇(C) 6-239: 8,11,0,1,2,4 IT₁₀ ← 6-210
- T₁₁(B) 6-14: 8,9,11,0,1,4 T₁₁
- IT₅(C) 6-239: 4,6,7,8,9,0 IT₈ ← 6-239
- IT₁₀(C) 6-210: 2,4,5,6,8,9 IT₇ ← 6-239
- IT₇(A) 6-219: 4,5,8,9,11,0 T₆ ← 6-244
- T₇(B) 6-14: 4,5,7,8,9,0 T₈
- IT₇(C) 6-210: 5,7,8,9,11,0 T₃
- T₁₁(A) 6-219: 4,5,7,8,11,0 IT₄ ← 6-219
- IT₈(C) 6-210: 4,6,7,8,10,11 T₁₁
- T₂(C) 6-210: 7,8,10,11,0,2 IT₆
- m.11 T₅(A) 6-219: 10,11,1,2,5,6 T₆ ← 6-219
- T₇(A) 6-244: 2,5,6,9,10,11 T₂ ← 6-219 IT₆ ← 6-244
- IT₁₀(A) 6-219: 1,2,5,6,8,9 IT₉ ← 6-244
- IT₇(C) 6-239: 10,1,2,3,4,6 IT₇ ← 6-210
- IT₀(A) 6-244: 8,9,10,1,2,5 IT₈ ← 6-219 IT₇ ← 6-244

m.14

- 6-244: 2,3,4,7,8,11 T_6
- 6-239: 0,2,3,4,5,8 $\overline{IT}_6 \leftarrow 6-239$
- 6-210: 4,5,7,8,9,11 $\overline{T}_{10} \leftarrow 6-239$
- 6-210: 5,7,8,9,11,0 $IT_4 \leftarrow 6-210$
- 6-244: 6,7,8,11,0,3 T_4
- 6-14: 8,11,0,1,3,4 IT_8
- 6-239: 11,1,2,3,4,7 $IT_5 \leftarrow 6-210$
- 6-244: 9,0,1,4,5,6 IT_0
- 6-219: 5,6,9,10,0,1 $\overline{IT}_8 \leftarrow 6-244$
- 6-14: 0,1,3,4,5,8 IT_4
- 6-210: 1,2,4,5,6,8 $T_8 \leftarrow 6-239$
- 6-244: 10,1,2,5,6,7 $IT_9 \leftarrow 6-219 T_1 \leftarrow 6-244$
- 6-210: 8,9,11,0,1,3 T_7
- 6-210: 9,11,0,1,3,4 IT_0
- 6-244: 10,11,0,3,4,7 IT_5
- 6-210: 9,10,0,1,2,4 IT_1
- 6-14: 10,1,2,3,5,6 IT_6
- 6-14: 4,5,7,8,9,0 IT_{10}
- 6-14: 11,0,2,3,4,7 T_7
- 6-210: 5,6,8,9,10,0 T_8
- 6-14: 4,5,7,8,9,0 T_5
- 6-210: 5,6,8,9,10,0 T_0
- 6-14: 6,9,10,11,1,2 IT_1
- 6-14: 7,10,11,0,2,3 T_1
- 6-244: 11,2,3,6,7,8 IT_6
- 6-244: 6,7,8,11,0,3 IT_2
- 6-14: 1,2,4,5,6,9 IT_4