

Rows 1 & 6 (final hexachord)

Strict

Actual

Row 1, bar 3      Row 6, bar 16      Row 1, bar 3

Rows 1 & 6

Interversion I: Outer to Center

6-5      6-5      6-z39

Strict

Actual

Row 6

Row 1

Row 6

Row 1(Row 6)

23

24

25

Rows 2 & 5

Strict

Musical score for 'Strict' showing two staves (treble and bass clef) with handwritten measure numbers 23, 24, and 25 above. The notation includes various notes, rests, and accidentals.

Actual

Musical score for 'Actual' showing two staves (treble and bass clef) with annotations 'Row 2' and 'Row 5' pointing to specific notes. A bracketed annotation '[Row4 8-9-7]' is located below the second staff.

26

27

28

Rows 3 & 4

Strict

Musical score for 'Strict' showing two staves (treble and bass clef) with notes and accidentals. The treble clef staff has a key signature of one flat and a common time signature. The bass clef staff has a key signature of one flat. The music consists of six measures across three bars.

Actual

Musical score for 'Actual' showing two staves (treble and bass clef) with notes, accidentals, and fingerings. The treble clef staff has a key signature of one flat and a common time signature. The bass clef staff has a key signature of one flat. The music consists of six measures across three bars. Fingerings are indicated by numbers 0-11 above or below notes.



# Hexachords

# Sàvasa 6-notes

Messiaen, Livre d'orgue I

Rows, in single register, 3-bar groups

*in order to multiply patterns*

Bar 1 b.3 6-1 (sàvasa) Bar 4 b.5 6-243 (sàvasa) N.B.

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

6-1 6-1 6-23 6-243 (sàvasa) 6-236

Bar 7 b.8 6-1 (sàvasa) Bar 10 b.12 6-26 (sàvasa)

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

"DERIVED" 6-7 mod 3 6-7 6-238 mod 4 6-26 mod 4

6-9 6-219 mod 3

Bar 13 b.9 6-21 (mod 4) sàvasa Bar 16 6-14 sàvasa

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

6-21 mod 4 (sàvasa) 6-21 mod 4 6-14 mod 3 6-14 mod 3

6-27 (mod 2)

~~6-27 (mod 2)~~  
6-247  
Hex of VT!

16 above  
-9 below

Trichordal / ~~STRUCTURE~~ <sup>Parsing</sup> OF "ANCILLARY ROWS" ("Throssness") EX. 4  
 Tetrachordal

Messiaen, Livre d'orgue I  
 Rows, in single register, 3-bar groups

SECTION I

Bar 1 3-1 3-1

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

6-1

Bar 7 a T4RI(a) b(Tg) T4RI(b)

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

6-7 HEX (derived set) ] SEE intervension mapping MODES

6-213 CI

Bar 13 4-26 4-26 (T6)

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

4-17      4-28      4-17 (T6)

EXAMPLE

8-28 (II) (MODE 2)

cf. bars 36-38  
 Symmetric  
 tests



Handwritten musical notation for the first system, consisting of a treble clef staff and a bass clef staff. The treble staff contains notes with accidentals (flats and sharps) and a sequence of numbers 0 through 11 below it. The bass staff contains notes with accidentals and a sequence of numbers 2, 4, 0, 6, 1, 8, 3, 10, 5, 11, 7, 9 below it. The label "T<sub>9</sub>I" is written in the bass staff.

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

(02) (14) ~~(36)~~ (58) (710) (911)

6 cells

Handwritten musical notation for the second system, consisting of a treble clef staff and a bass clef staff. The treble staff contains notes with accidentals and a sequence of numbers 2, 6, 1, 11, 3, 4, 8, 9, 10, 5, 0, 7 below it. The bass staff contains notes with accidentals and a sequence of numbers 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 below it. The label "unsorted" is written between the staves.

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

Handwritten musical notation for the third system, consisting of a treble clef staff and a bass clef staff. The treble staff contains notes with accidentals and a sequence of numbers 0 through 11 below it. The bass staff contains notes with accidentals and a sequence of numbers 4, 6, 2, 8, 0, 10, 1, 11, 3, 9, 5, 7 below it. The label "T<sub>8</sub>I" is written in the bass staff. Two double-headed vertical arrows are drawn between the staves at positions 2 and 9.

~~(010)~~ ~~(12)~~

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

11 0 10 1 9 2

Blank handwritten musical notation for the fourth system, consisting of a treble clef staff and a bass clef staff.

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

Blank handwritten musical notation for the fifth system, consisting of a treble clef staff and a bass clef staff.

0 11 0 10 1 9 2 8 3 7 4 6 5  
I 1 0 2 11 3 10 4 9 5 8 6 1  
T<sub>9</sub> 10 9 11 8



SYMMETRIC TETS [Octave 4-17] / mm 8-28

Hindemithian Parsing the Interventions (smooth/rough)

Section 2: en éventail fermé, des extrêmes aux centre

"bars" bars 1-10  
8-9 all 7 mode 8-28 CI modes

Bar 20 4-13 4-17 4-14 (mode 2) 4-14 4-17 4-13

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

Bar 23 6-5 (hex d piece #2! (a-d#6) 6-5 mode 4 5-218 (6-242) 4-13 mode 2 4-11 mode 3 6-5

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

Bar 26 4-11 4-18 (CI) 4-8 (CI) 4-1 4-13 (CI) 6-5 4-13 (CI)

2 6 8 6-240 7 4 9 0 5 11 2 7 10 8 11 4 6 3 5 0 3 10 7 1

Section 3: en éventail ouvert, du centre aux extrêmes

Bar 30 4-11 4-13 (CI) 4-12 (CI) 4-18 CI 4-18 4-11

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

Bar 33 5-6 4-13 (CI) 4-18 CI 4-21 mode 1

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

SYMMETRIC TET ARRAY

Bar 36 4-13 (CI) 4-17 CI 4-14 Mode 4 4-14 (T6) 4-17 CI 4-13 (CI)

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

OCTA TETS / mm 8-28

Section 4: Meme musique, retrograde

SEE previous section Hexachord passing here

Bar 40 10 4 11 5 2 8 9 3 0 6 7 1 2 10 6 8 5 9 4 7 1 3 0 11

6-14 (mode 3) 6-14 6-21 (mode 6 mode 4)

Bar 46 6 8 7 4 9 5 2 11 3 0 10 1 7 3 5 6 4 8 10 9 11 0 1 2

6-26 (mode 4) 6-278 (mode 4) 6-7 (mode 5 - explicit)

Bar 52 9 11 10 7 4 5 3 8 2 0 6 1 11 10 9 8 7 6 5 4 3 2 1 0

6-236 (almost chrom) 6-23 6-1 6-1

no modal connection no modal conn.