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TONOI

2007 - 2011

Geschreven na het inspirerende
UK MicroFest 2
2-4 maart 2007 en
opgedragen aan Wim Hoogewerf

Het oude Griekse toonsysteem gaf een belangrijk fundament aan o.m. de ontwikkeling van de Europese kunstmuziek. Binnen de zgn. « harmonia », het middelste octaaf e - e', werd wisselend gebruik gemaakt van diatonische, chromatische, maar ook « enharmonische » (kwarttoons-) afstanden. De zo beschikbare modi, uitgebreid met een onder- en een bovenoctaaf, betekenden in de praktijk een toonvoorraad die ongeveer overeenkwam met de omvang van de klassieke *kithara* en die van onze eigentijdse concertgitaar.

De in dit stuk voorgeschreven scordatura van de snaren ⑤, ③ en ① - door een microtonale verlaging van een kwarttoon van die drie snaren - geeft alle mogelijkheden die men destijds vond met de zgn. getransponeerde toonladders of *tonoi*. En die dus nu inzetbaar zijn in nieuwe microtonale composities.

*Written after the inspiring
UK Microfest 2
2-4 March 2007 and
dedicated to Wim Hoogewerf*

The ancient Greek tonal system provided an important fundament to e.g. the development of the european art music. Within the so-called « harmonia », the middle octave e - e', variably diatonic, chromatic, but also « enharmonic » (quarter tone) intervals were used. The thus available modi, extended with a lower and upper octave, practically signified a « stock » of different tones that was comparable to the range of the classical kithara and our own contemporary concert guitar.

The microtonal scordatura of string ⑤, ③ and ① in this piece - by tuning these three strings a quarter tone lower - gives all possibilities which one found in that time with the so-called transposed scales or tonoi. And which from now on are available in new microtonal compositions.

The harmonia : 

Scordatura : 

1

(2007-2011)

• ♩ ≈ 96

rit.

A tempo

[illegible]

17 pont. // ord. // rit. VII //

mf *f* *p* *f* *mf*

T 0 0 4 4 9 9 0 0 0 0 10 10 11
 A 0 4 4 4 9 9 0 0 0 0 10 10 10
 B 3 0 4 4 0 0 0 0 0 0 0 0 9 8 7

21 A tempo

(mf) *mp*

T 0 13 13 14 0 13 13 0 13 12 0 13 12 0 11 11 12 11 12 0 11 11 0 11 10
 A 0 13 13 14 0 13 13 0 13 12 0 13 12 0 11 11 12 11 12 0 11 11 0 11 10
 B 0 13 13 14 0 13 13 0 13 12 0 13 12 0 11 11 12 11 12 0 11 11 0 11 10

25 etc. //

p *pp*

T 0 9 9 10 0 9 10 0 9 8 9 8 0 7 8 7 8 0 7 7 6
 A 0 9 9 10 0 9 10 0 9 8 9 8 0 7 8 7 8 0 7 7 6
 B 0 9 9 10 0 9 10 0 9 8 9 8 0 7 8 7 8 0 7 7 6

29 pont. // ord. // rit. VII //

mf *f* *p* *f* *mf*

T 0 0 4 4 9 9 10 10 11
 A 0 4 4 9 9 10 10 10
 B 3 0 4 4 0 0 0 0 0 0 0 0 9 8 7

Larghetto ≈ 63

First system of musical notation. The treble clef staff contains a melody with dynamics *p*, *mp* ord., and *mf* pont. Fingering includes *i*, *m*, and triplets. The bass clef staff shows fret numbers for strings T, A, and B.

Treble clef staff: *p* *i* *m* *p* *mp* ord. *mf* pont.

Bass clef staff: T, A, B strings with fret numbers (0, 3, 12, 10, 13, 11, 12, 0, 12, 7).

Second system of musical notation. The treble clef staff contains a melody with dynamics *p* ord., *mp*, *f*, and *mp* sub. Fingering includes *i*, *m*, and triplets. The bass clef staff shows fret numbers for strings T, A, and B.

Treble clef staff: *p* ord. *mp* *f* *mp* sub.

Bass clef staff: T, A, B strings with fret numbers (1-0, 12, 6, 4, 8, 6, 12, 0, 10, 8, 12, 10, 14, 11, 14, 11, 14, 11, 0, 11, 14, 0, 0, 11, 0, 0).

Third system of musical notation. The treble clef staff contains a melody with dynamics *p* ord., *cresc*, *- cen -*, *- do*, *mf*, *p*, and *mp* pont. Fingering includes *i*, *m*, and triplets. The bass clef staff shows fret numbers for strings T, A, and B.

Treble clef staff: *p* ord. *cresc* - *- cen -* *- do* *mf* *p* *mp* pont.

Bass clef staff: T, A, B strings with fret numbers (4, 6, 0, 0, 4, 6, 4, 6, 0, 4, 5, 4, 0, 7, 6).

Fourth system of musical notation. The treble clef staff contains a melody with dynamics *mf* (ord.), *m*, *i*, *m*, *i*, *p*, *v4*, *m*, *i*, *v4*, *i*, and *p*. Fingering includes *i*, *m*, and triplets. The bass clef staff shows fret numbers for strings T, A, and B.

Treble clef staff: *mf* (ord.) *m* *i* *m* *i* *p* *v4* *m* *i* *v4* *i* *p*

Bass clef staff: T, A, B strings with fret numbers (0, 2, 3, 1, 4, 0, 1, 2, 3, 2, 2, 5, 4, 5, 5, 4).

5 *m i m i i m* *p* *MCIV*⁵ *CVI*⁵ *ritard.* 5
Bartók pizz. (Bartók pizz. cresc.)

T 0 2 3 1 4 0 4 7 6 9 8 7 9 6
 A 2 4 6 8 7 9 6
 B 4 6

A tempo
 6 *m i m i* *mp* (ord.) *p* *MCIII*³ *CVIII*⁵ *i* *CVI*⁵ *mf*

T 7 5 0 3 1 0 3 8 10 6 8 6 8 6
 A 6 3 0 8 6 7 6 8 6
 B 5 0 8 6

7 *mp* *MCI*⁴ *mf*

T 5 3 1 4 3 1 3 4 5 0
 A 2 4 3 1 3 4 5 0
 B 1 0 2 3 4 0 0

8 *(mf)* *VII XII* *V VII*

T 4 3 2 1 0 5 4 5 7 12 12 0 5 7 7
 A 4 3 2 1 0 5 4 5 7 12 12 0 5 7 7
 B 0 0 0 5 4 5 7 6 7 0 5 7 7

[illegible]

12

MCV³

mf (ord.)

mfp

l *p*

CIV⁵ :

7 5 7 6 9 7 9 8 10 5 3 4

5 0 8 9 8 10 6 4

0 0 0 4

13

TAB

6	5	0	4	8	7	6	0	9	9	12	11

14

p ord. cresc - - cen - - do *mf* *mp* pont.

TAB

6	4	7	6	4	0	6	4	7	0	5	4	7

15

p ord. *mp* *f* *mp* sub.

TAB

1-0	12	6	4	8	6	0	12	10	8	10	14	14	14	11	14	11	0	0	11	0	0

16

p tasto *mp* ord. *mf* pont.

TAB

8	10	9	10	10	3	3	2	2	2	1	0	12	0	7

7 Andante ♩ ≈ 96 (Tempo II)

tasto *p* 3 1 0 2 1 0 2 3 0 3 2 0 3 2 0 3 3 0 0 0 *mf* pont.

9

ord.

mp

mp

f^{sub.}

mf

pizz.

T 0 0 0 3 2 0 2 0 2 3 2 0 2 0 2

A 3 3 3 3 2 2 0 0 2 4 2 5

B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

11 *tasto* *p*

12 *pont.* *mf*

T
A
B

4 4 4 5 4 2 4 2 5 4 4 2 5 4 2 2 2 5 5

13 CII 5
ord.
mp
f sub.
3
2 3 4 3 1 2 3 1
2 3 4 3 1 2 3 1
3 2 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 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Tempo I

15

mf

T
A
B

5 6 7 8 9 0 0 0 8 0 7 0 6 0 0 0 12 9 11 9 10 0 0 0 12 9 11 9 10 0 0

17

(mf) cresc. f mf mp mf

T 8 7 8 10 9 10 10 9 12 10 9 12

A 6 8 7 9 10 11 11 11 10 9 10 9

B 6 8 7 9 8 9 11 11 11 10 9 10

Più mosso accel. - - - - - , Tempo I

ord. XII

19

(mf) cresc. - cen - - do ff

T 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2

A 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2

B 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2

(Tempo I) accel. - - - - - , Tempo I

ord. 21

tasto

(mf) cresc. - cen - - do ff mp mf

T 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

A 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

B 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

ord. CVIII⁵ CVI⁵

23

f decresc. mf mp mf mp

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

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

B 9 9 10 10 9 8 7 6 5 4 3 2 1

CVII⁵ CVI⁵ //

25

mf *f*

T	10	8	7	8	9	8	10	8	8	8	7	9	10	6	9	10	10
A	8	7	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8
B														6	6	6	6

Tempo II

27

tasto

p *mf*

T	5	5	5	6	5	3	5	3	6	5	3	6	5	4	4	
A																
B														0	0	0

ord.

29

mp *f sub.* *mp*

MCH³ XII

pizz.

mp *f sub.* *mp* *mf*

T	4	4	5	0	5	4	2	3	2	3	0	2	4	0	2	4
A	7	7	7	10	9	7	13	11	13	12	2	4	4	6		
B																

tasto

31

p *mf*

pont.

p *mf*

T	3	3	3	5	3	2	3	2	5	3	2	5	3	2	2	
A																
B														0	0	0

[illegible]

37

(*mf*) *decresc.* *p* *mp* *mf* *mp*

T 14 13 12 12 11 10 10

A 14 13 12 11 11

B 12 11 10 9 9 12

10 9 10 9 10 9 12

Più mosso accel. - - - - - , Tempo I

39

mf *cres -* *ff*

ord.

pont.

- cen - *- do*

TAB 0-1-2 0-1-2 2-0 0-1-2 0-1-2 2-0 0-12 0 0 4 5 0 4 5 0 6 0 0

Allegro moderato ≈ 112

14

3/8

mp

étouffé

TAB

[illegible]

Engraved by
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on *Sibelius 7*