

Untitled Hutchins Piece
Christopher Otto

The Contrabass's lowest string is to be tuned down to a D. All other strings are tuned normally, with pure fifths (3/2) and fourths (4/3).

Alto clef in the Soprano sounds once octave higher than written.

Harmonics are notated as follows: the roman numeral indicates the string number, and the arabic numeral immediately following it is the number of the harmonic on that string. Below these numbers is the deviation in cents from the nearest equal-tempered pitch. For example:

IV 19
+3

indicates the 19th harmonic on the fourth string, which is 3 cents higher than the notated pitch. Open strings are notated with the usual "o".

Double stops invariably involve at least one open string, and if there is a stopped note, its ratio to the open string is indicated, in addition to its deviation in cents from equal temperament. Single stopped notes are notated in relation to the fundamental of the chord (always related by octaves to the open C, G, D, or A strings) - ie, the 7th harmonic of (open) C.

Pairs of pitches, either between two instruments or as double stops, create beating (or, later on, difference tones) at speeds (or frequencies) which are uniform within each section (aside from any pitches hanging over from the previous section). This property can be used to help tune some of the double stops, especially the ones with more complex ratios in the earlier sections. For example, in m.5 the Contrabass can tune the 28/27 interval so that the speed of its beating is the same as the beating created between the Soprano and Small Bass. The rate of beating for each section is listed below:

Beginning to Letter A: 2 Hz
A to B: 4 Hz
B to C: 6 Hz
C to D: 8 Hz
D to E: 12 Hz
E to F: 16 Hz
F to G: 18 Hz
G to H: 24 Hz
H to I: 32 Hz
I to J: 36 Hz
J to K: 48 Hz
K to I: 64 Hz

Timing is free throughout. Each measure should last as long as is necessary to establish a stable, accurate pitch (probably between about 2 and 6 seconds).

Treble

Soprano

Mezzo

Alto

Tenor

Baritone

Small Bass

Contrabass

Treb.

Sop.

Mez.

Alto

Ten.

Bar.

S.Bass

C.Bass

The musical score for "The Rose Tree" is presented in a multi-staff format. The vocal parts are arranged from top to bottom: Treble (Soprano), Soprano, Mezzo, Alto, Tenor, Baritone, and Bass. The piano accompaniment is shown in the bottom two staves. The score includes various musical notations such as notes, rests, and dynamic markings. The key signature is C major, and the time signature is 4/4. The score is divided into two systems, with the first system starting at measure 30 and the second system starting at measure 45. The piano accompaniment features a variety of chords and melodic lines, including a prominent bass line in the left hand and a more active line in the right hand. The vocal parts are written in a style that suggests a folk or traditional setting, with simple, clear lines and a focus on the melody. The score includes a variety of musical notations, including notes, rests, and dynamic markings, which are used to convey the intended sound and feel of the piece. The overall structure of the score is clear and easy to follow, making it a good example of a well-written musical score.

D

E

Treb.

59

Sop.

59

Mez.

59

Alto

59

Ten.

59

Bar.

59

S.Bass

59

C.Bass

59

IV 13
+41

15/16
F#: -10 (unis
w/ Contrabass)

25/24
Eb: -25

II 5
-8

11/12
C#: -47

IV 17
+5

IV 19
-2

IV 17
+5

7/8
F: -29

III 17
+9

IV 2
+6

5/6
B: -12

II 23
+32

IV 5
-10

tuned to open
G string
+2

5/6
E: -14

73

73

Treb.

73

Sop.

73

Mez.

73

Alto

73

Ten.

73

Bar.

73

S.Bass

73

C.Bass

73

IV 13
+41

IV 14
-31

17/18
C#: +5

II 5
-8

11/12
F#: -49

IV 17
+5

III 23
+32

III 25
-23

8/9

IV 20
-14

7th harmonic
of C
-31

II 2
+4

8va

This musical score is for the piece "The Rose Tree" and includes parts for Treble, Soprano, Mezzo, Alto, Tenor, Baritone, and both Solo and Chamber Basses. The score is divided into two systems, each containing measures 87 through 101. The key signature is one sharp (F#), and the time signature is 3/2. The score includes figured bass notation with figures such as IV 13 +41, 11th harmonic of D -45, 23/24 G#: +32, 15/16 C#: -8, 11/12 G#: -45, 8/9 G: +2, 7/8 C: -27, 5/6 B: -12, 1 8, II 14 -27, 23/24 C#: +30, IV 5 -12, 15/16 F#: -10, 17/18 G#: +7, I 3 +10, III 11 -47, 11/12 C#: -47, IV 25 -2, II 5 -5, II 13 +46, I 11 -43, III 11 -47, III 29 +33, 15^{ma} -47, and II 5 -10. The score also includes a section for the Solo Bass, which is tuned to open G string +2. The score is written for a 12-part ensemble, with the Solo Bass part being an optional addition to the 11-part Chamber Bass part.

H

115

12
+8

Treb.

115

III 2
+2

IV 10
-14

Sop.

115

III 5
-10

III 7
-27

Mez.

115

IV 11
-49

IV 16

Alto

115

II 5
-5

IV 25
-2

IV 11
-47

IV 7
-29

IV 19
-1

Ten.

115

III 11
-47

I 11
-43

IV 16

IV 10
-14

IV 28
-31

Bar.

115

I 2

I 4

S.Bass

115

II 11
-45

I 3
+4

I 5
-12

C.Bass

I

17/18
C#: +5

Treb.

11/12
F#: -49

Sop.

8/9

Mez.

5/6
E: -14

Alto

IV 11
-47

7th harmonic
of C
-31

Ten.

IV 16

Bar.

18

I 10
-14

I 13
+41

I 5
-14

3/2
A: +8

S.Bass

I 11
-47

I 13
+42

I 17
+7

I 7
-29

C.Bass

23/24
G#: +32

J

17/18
G#: +7

145

Treb.

15/16
C#: -8

11/12
C#: -47

145

Sop.

11/12
G#: -45

8/9
G: +2

145

Mez.

7/8
C: -27

5/6
B: -12

145

Alto

5/6
F#: -10

7th harmonic
of G
-29

145

Ten.

145

Bar.

3/2
D: +4

145

S.Bass

tuned to open
G string
+2

145

C.Bass

IV 7
-29

IV 11
-47

159

Treb.

III 2
+2

III 4
+2

III 5
-12

159

Sop.

IV 13
+42

IV 17
+7

IV 19
-1

IV 13
+42

IV 17
+7

159

Mez.

III 19
+1

III 29
+33

159

Alto

III 17
+9

II 23
+32

II 25
-23

II 17
+9

II 23
+32

159

Ten.

III 22
-45

III 26
+44

159

Bar.

III 10
-10

III 22
-45

III 26
+44

159

S.Bass

II 2
+4

159

C.Bass

Treb.

173

8

IV 7

-29

K

23/24

D#: +34

L

Sop.

173

8

III 4

+2

15/16

G#: -6

Mez.

173

IV 19

-1

IV 13

+42

11/12

D#: -43

III 2

+4

Alto

173

7/8

G: -25

Ten.

173

III 19

+1

5/6

C#: -8

III 4

+4

Bar.

173

II 25

23

II 17

+9

3/4

E: +8

S.Bass

173

III 22

-45

IV 2

+6

C.Bass

173

8

Treb.

187

8

IV 2

+2

IV 3

+4

IV 2

+2

IV 3

+4

IV 4

+2

IV 5

-12

Sop.

187

IV 2

IV 7

-31

Mez.

187

II 4

+6

Alto

187

IV 5

-14

IV 13

+41

IV 5

-14

IV 13

+41

Ten.

187

II 8

+6

Bar.

187

IV 11

-49

IV 17

+5

IV 13

+41

IV 19

-2

IV 23

+28

IV 29

+30

S.Bass

187

8

C.Bass

187

I 2

+2

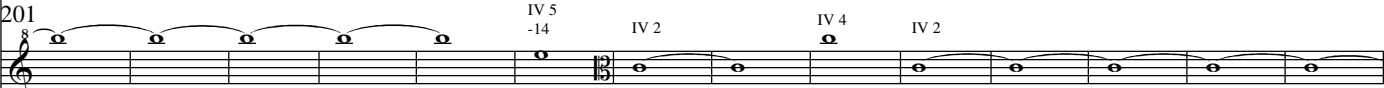
201

Treb.



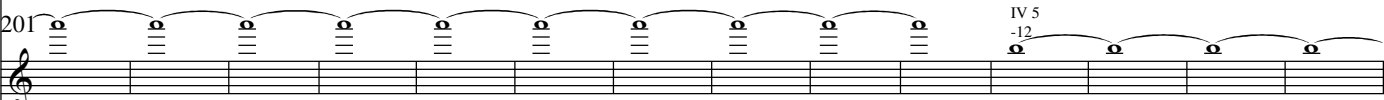
201

Sop.



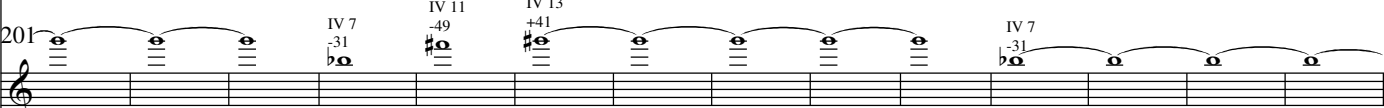
201

Mez.



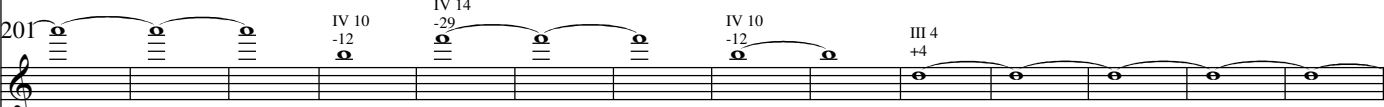
201

Alto



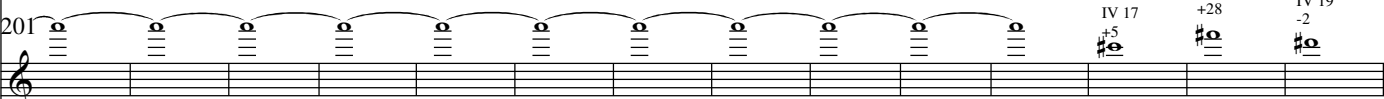
201

Ten.



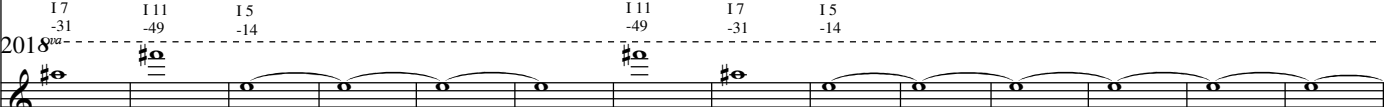
201

Bar.



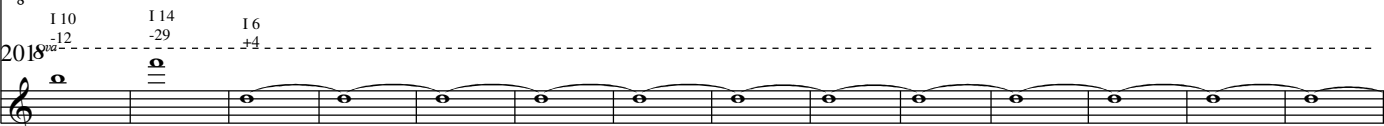
201

S.Bass



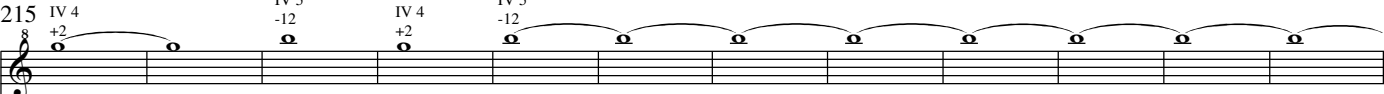
201

C.Bass



215

Treb.



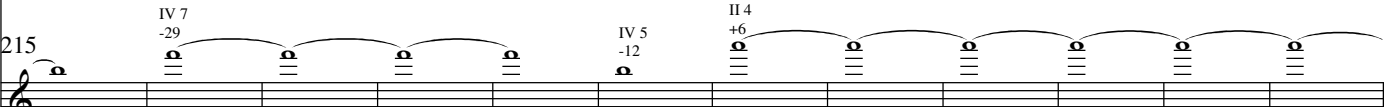
215

Sop.



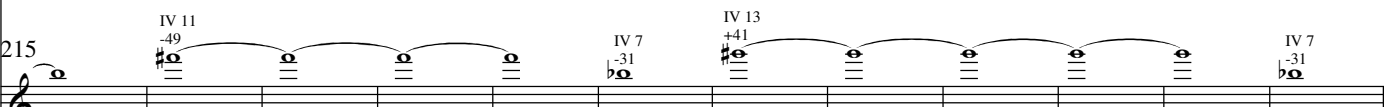
215

Mez.



215

Alto



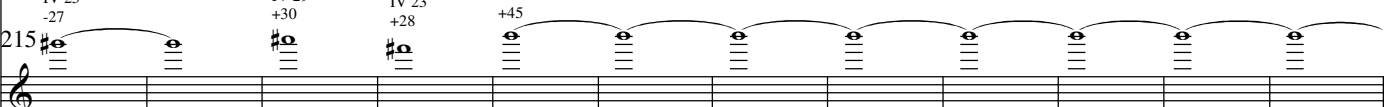
215

Ten.



215

Bar.



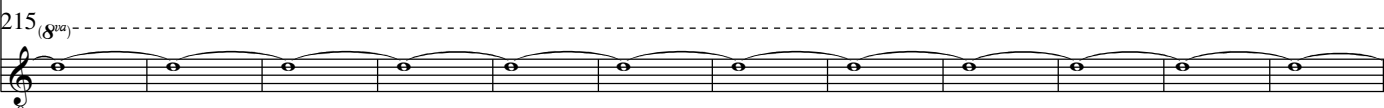
215

S.Bass



215

C.Bass



227

Treb.

Sop.

Mez.

Alto

Ten.

Bar.

S.Bass

C.Bass

235

Treb.

Sop.

Mez.

Alto

Ten.

Bar.

S.Bass

C.Bass