

Natural Horn obligato

Required instruments: Eb, C bass and F Natural Horn

The Solo Natural Horn part is included in the score as a cue staff

Olli Virtaperko

Moiré

Concerto for natural horn and orchestra in three movements
(with orchestral natural horn obligato)

The performance pitch 442 Hz.

NOTATION

Microtonal notation

Solo natural horn and orchestral obligato natural horn should produce the microtonal intervals by playing untempered overtones of the fundamental. The just intonation is the default tuning for the natural horns, deviations to that are specified in parts and score.

↑ ↓	+/- 14 cents (as in the 5th and 10th partial of overtones series). Used both as such and with accidentals ♭ and #.
♯ ♭	-31 cents (as in the 7th and 14th partial of overtone series)
♭ ♯	+41 cents (as in the 13th partial of overtone series)
♯ ↓	+/- 50 cents (1/4 tone, as in the 11th partial of overtone series)
♯ ↘	+/- 150 cents (3/4 tone)

General

—————→ change very gradually from one sound or one way of playing (etc.) to another

Moiré

Concerto for natural horn and orchestra in three movements
(with orchestral natural horn obligato)

I

Natural horn in Eb

freely
senza misura

intro, soloist (solo)

Olli Virtaperko 2020

12

16

molto rit.

21

Cue staff: natural horn soloist (in G)

colour sound with microinterval wobbling (below target note)

gliss ad lib. towards g²

21

♩ = 60 *calmly*

25

wobbling as before

25

29

(approximate pitch)

cantabile

29

33 *3* \oplus *wobbling as earlier* *delicately*
p *molto cresc.* *p subito* *molto cresc.*
hold back *in tempo* *delicately*
 33 *p* *molto cresc.* *p subito* *molto cresc.*

37 *mp* *molto cresc.* *p* *mp* $\bullet = 72$ *affectively*
 37 *mp* *molto cresc.* *p subito* *mp* *mp*

41 *p* *poco cresc.* (*mp*) *more expressive* *poco rit.*
 41 *p* *poco cresc.* *mp*

45 *fully open* *mf* *in tempo*
 45 *mf*

49 *f* *mp* *fully open* *a bit more calmly*
 49 *f* *mp*

53 *mp*

Musical staff 53 (top) in treble clef. It begins with a 2/4 time signature, followed by a 4/4 time signature, then a 3/8 time signature, and ends with a 3/4 time signature. The staff contains a melodic line with a half note, a quarter note, and a triplet of eighth notes. A fermata is placed over the final note. A dynamic marking of *mp* is present. A hairpin crescendo is shown at the end of the staff.

53 *mp*

Musical staff 53 (bottom) in treble clef. It begins with a 2/4 time signature, followed by a 4/4 time signature, then a 3/8 time signature, and ends with a 3/4 time signature. The staff contains a melodic line with a quarter note, a quarter note, and a triplet of eighth notes. A dynamic marking of *mp* is present. A hairpin crescendo is shown at the end of the staff.

57 *mf*

Musical staff 57 (top) in treble clef. It begins with a 10/16 time signature, followed by a 2/4 time signature, then a 3/8 time signature, and ends with a 9/16 time signature. The staff contains a melodic line with a half note, a quarter note, and a triplet of eighth notes. A dynamic marking of *mf* is present. A hairpin crescendo is shown at the end of the staff.

57 *mf*

Musical staff 57 (bottom) in treble clef. It begins with a 10/16 time signature, followed by a 2/4 time signature, then a 3/8 time signature, and ends with a 9/16 time signature. The staff contains a melodic line with a half note, a quarter note, and a triplet of eighth notes. A dynamic marking of *mf* is present. A hairpin crescendo is shown at the end of the staff.

61 *f*

Musical staff 61 (top) in treble clef. It begins with a 9/16 time signature, followed by a 4/4 time signature, then a 2/4 time signature, and ends with a 3/4 time signature. The staff contains a melodic line with a quarter note, a quarter note, and a triplet of eighth notes. A dynamic marking of *f* is present. A hairpin crescendo is shown at the end of the staff.

more active

firmly and precisely

61 *f*

Musical staff 61 (bottom) in treble clef. It begins with a 9/16 time signature, followed by a 4/4 time signature, then a 2/4 time signature, and ends with a 3/4 time signature. The staff contains a melodic line with a quarter note, a quarter note, and a triplet of eighth notes. A dynamic marking of *f* is present. A hairpin crescendo is shown at the end of the staff.

65

Musical staff 65 (top) in treble clef. It begins with a 9/16 time signature, followed by a 4/4 time signature, then a 2/4 time signature, and ends with a 3/4 time signature. The staff contains a melodic line with a quarter note, a quarter note, and a triplet of eighth notes. A dynamic marking of *f* is present. A hairpin crescendo is shown at the end of the staff.

65

Musical staff 65 (bottom) in treble clef. It begins with a 9/16 time signature, followed by a 4/4 time signature, then a 2/4 time signature, and ends with a 3/4 time signature. The staff contains a melodic line with a quarter note, a quarter note, and a triplet of eighth notes. A dynamic marking of *f* is present. A hairpin crescendo is shown at the end of the staff.

69

Musical staff 69 (top) in treble clef. It begins with a 9/16 time signature, followed by a 4/4 time signature, then a 2/4 time signature, and ends with a 3/4 time signature. The staff contains a melodic line with a quarter note, a quarter note, and a triplet of eighth notes. A dynamic marking of *f* is present. A hairpin crescendo is shown at the end of the staff.

69

Musical staff 69 (bottom) in treble clef. It begins with a 9/16 time signature, followed by a 4/4 time signature, then a 2/4 time signature, and ends with a 3/4 time signature. The staff contains a melodic line with a quarter note, a quarter note, and a triplet of eighth notes. A dynamic marking of *f* is present. A hairpin crescendo is shown at the end of the staff.

73

(lower)

76

ff

76 *decisively*

ff

15. 16. 17.

80

poco dim.

f

steady, heavy

80

poco dim.

f

84

f

f

gradually open and raise pitch

fully open

84

f

f

gradually open and raise pitch

fully open

88

actively, vigorously

ord.

ff

poco dim.

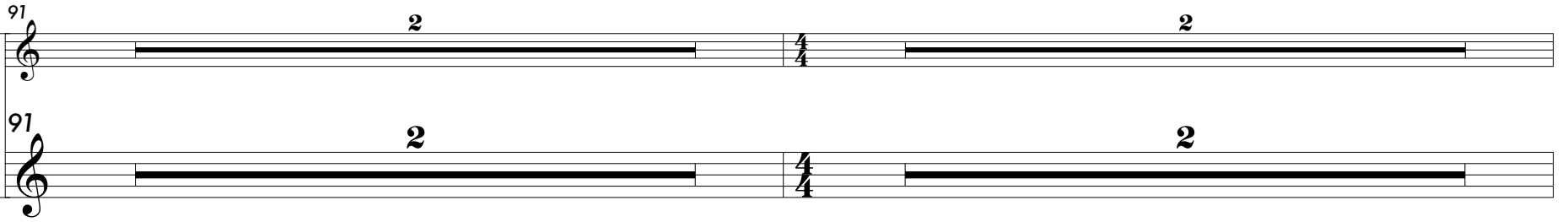
88

actively, vigorously

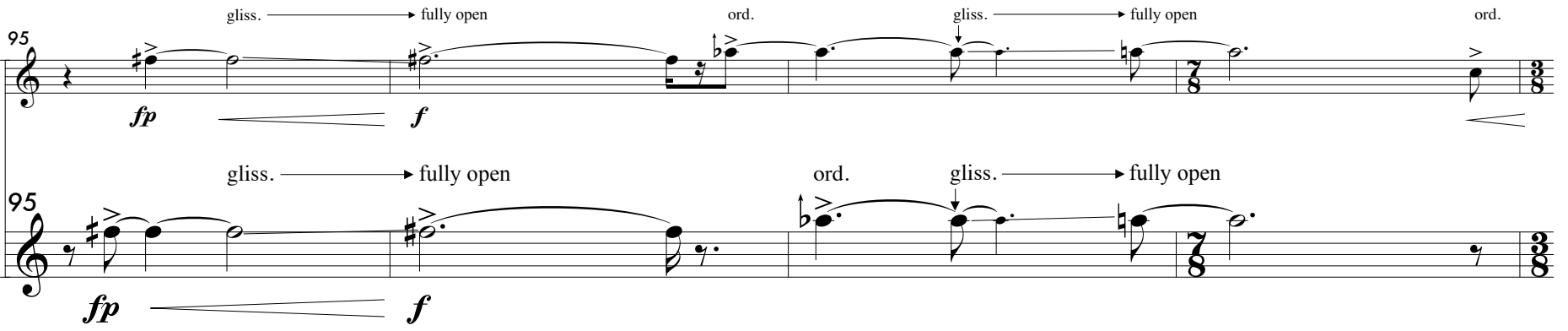
ord.

ff

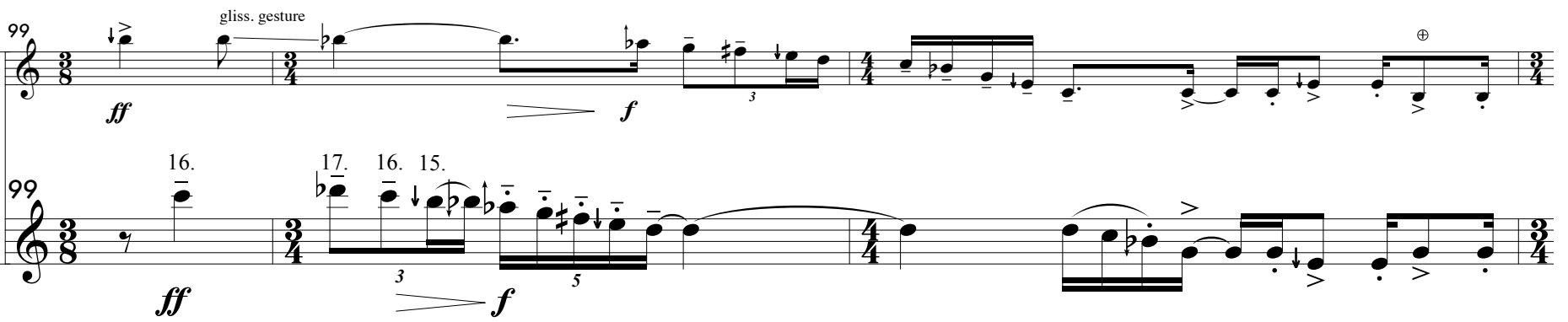
poco dim.

91 

95 *fp* *f* gliss. → fully open ord. gliss. → fully open ord.
 95 *fp* *f* gliss. → fully open ord. gliss. → fully open



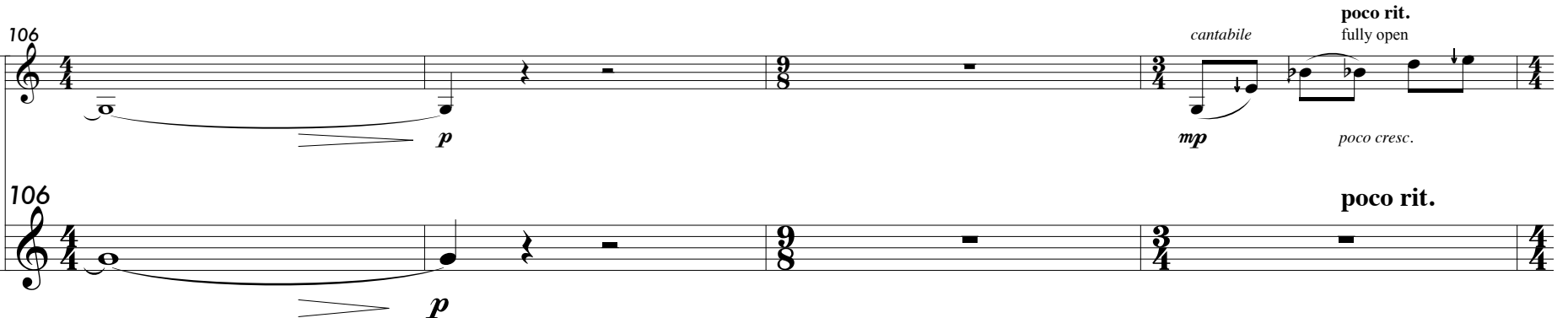
99 *ff* *f* gliss. gesture
 99 *ff* *f* 16. 17. 16. 15. 3 5



102 *ff* *mp* 3 9 10
 102 *ff* *mp* 15. 16. sostenuto poco rit. (♩=♩) ♩ = 80 calmly
 molto diminuendo



106 *p* *mp* *poco rit.* fully open *poco cresc.*
 106 *p* *poco rit.*



110 $\text{♩} = 54$ add color with delicate vibrato and/or microtonal wobbling

p subito *(mf)* *(p)* *(mp)* *p*

fully open ⊕ fully open

110 $\text{♩} = 54$

p

113 *fz* boldly, surprisingly *mf* fully open

113 equal-tempered third, in unisono with the soloist *fz* boldly, surprisingly *mf*

116 playfully (giocosamente) articulate very clearly *mp* *fp* fully open bend molto cresc.

116 playfully (giocosamente) *mp* *fp*

119 calming down *f* *mp* *mf* *p* *p*

119 calming down change to C bass horn *f* *mp*

124

124 $\text{♩} = 66$ warmly and affectively poco ritardando in tempo

III

Natural horn in G

♩ = 108 *bouncy and rhythmic, dance-like*

Natural horn in C (bass)

♩ = 108 *bouncy and rhythmic, dance-like*

17 gliss. *mf*

Musical staff 17 (top) in treble clef. It begins with a glissando on a whole note, followed by a series of eighth notes in 4/4 time. The piece then changes to 12/16 time with a triplet of eighth notes, and finally to 3/8 time with a quarter note.

17 gliss. *mf* 14. 15.

Musical staff 17 (bottom) in treble clef. It begins with a glissando on a whole note, followed by eighth notes in 4/4 time. It includes a triplet of eighth notes and a downward bow stroke. The piece then changes to 12/16 time with a triplet of eighth notes, and finally to 3/8 time with a quarter note.

21 (fully open) *mf* gliss.

Musical staff 21 (top) in treble clef. It features a triplet of eighth notes in 4/4 time, followed by a glissando on a whole note. The piece then changes to 3/8 time with a quarter note.

21 *mp* *mf*

Musical staff 21 (bottom) in treble clef. It features a triplet of eighth notes in 4/4 time, followed by a glissando on a whole note. The piece then changes to 3/8 time with a quarter note.

26 bend (with embouchure) *mf*

Musical staff 26 (top) in treble clef. It features a triplet of eighth notes in 4/4 time, followed by a bend with embouchure on a whole note. The piece then changes to 6/16 time with a quarter note, 12/16 time with a quarter note, and finally to 3/4 time with a quarter note.

26 bend (with embouchure) *mf*

Musical staff 26 (bottom) in treble clef. It features a triplet of eighth notes in 4/4 time, followed by a bend with embouchure on a whole note. The piece then changes to 6/16 time with a quarter note, 12/16 time with a quarter note, and finally to 3/4 time with a quarter note.

30 *f*

Musical staff 30 (top) in treble clef. It begins with a whole note in 3/4 time, followed by a quarter note in 4/4 time, and then a quarter note in 2/4 time. The piece then changes to 3/4 time with a quarter note.

30 *f*

Musical staff 30 (bottom) in treble clef. It begins with a whole note in 3/4 time, followed by a quarter note in 4/4 time, and then a quarter note in 2/4 time. The piece then changes to 3/4 time with a quarter note.

34

Musical staff 34 (top) in treble clef. It consists of a series of rests in 3/4, 4/4, 2/4, 3/4, 7/8, 2/4, and 4/4 time signatures.

34 *calming down* *in tempo*

Musical staff 34 (bottom) in treble clef. It consists of a series of rests in 3/4, 4/4, 2/4, 3/4, 7/8, 2/4, and 4/4 time signatures.

40 *mf* *playfully* *mf* *f*

43 *f* *mf* *5:3* *3*

47 *f* *sf* *3* *5* *5*

51 *f* *mf* *f* *f*

55 *mf* *gliss. gesture* *majestetically, tenuto* *gliss. gesture* *more active*

59 *mf* *f* 16.

63 *f* *sf* *f* 14. 16.

66 change to C bass horn change to F horn 2 G.P. 3

73 **Natural horn in C (bass)**

mp *mf*

73 **Natural horn in F**

mp *mf*

77 *decisively*

f *mf* *poco a poco crescendo*

77 *decisively*

f *mf* *poco a poco crescendo*

82

ff *meno forte*

82

ff *meno forte*

87

mf *poco cresc.* *f*

87

mf *poco cresc.* *f*

90

sf

90

sf

94 ^{16.} ^{20.} ^{17.} ^{15.} ^{16.}
meno forte

94 *meno forte* with stamina & accurate rhythmic drive

97

101 ^{15.} ^{16.}

105

110 ³

117 *(mp - mf)*

117 *(mp - mf)*

121 *poco ritardando*

121 *poco ritardando*

124 *poco dim.*

mp

affectively

124 *in tempo* *poco dim.*

mp

128

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III

Natural horn in C (bass)

Natural horn (in F)

♩ = 50 *transparently and calmly*

p

5

5

(p)

9

9

mp *mf*

p *mp* *mf*

13

13

molto dim. *p*

molto dim. *p*

17

17

molto cresc. *molto dim.* *(f)*

gliss. *molto cresc.* *molto dim.* *(f)*

21

mp *mf*

21

mp *mf*

Detailed description: This system contains two staves of music for measures 21 to 23. The top staff begins with a whole rest, followed by a half note G4, a half note A4, and a quarter note B4. The bottom staff begins with a whole rest, followed by a half note G4, a half note A4, and a quarter note B4. Both staves feature a crescendo hairpin from measure 22 to 23. The dynamic markings *mp* and *mf* are placed below the staves. The time signature is 4/4.

24

mp

24

mp

Detailed description: This system contains two staves of music for measures 24 to 25. The top staff begins with a whole rest, followed by a half note G4, a half note A4, and a quarter note B4. The bottom staff begins with a whole rest, followed by a half note G4, a half note A4, and a quarter note B4. Both staves feature a crescendo hairpin from measure 24 to 25. The dynamic marking *mp* is placed below the staves. The time signature is 4/4.

28

mf *fp* *mp*

28

mf

Detailed description: This system contains two staves of music for measures 28 to 31. The top staff begins with a half note G4, a half note A4, and a quarter note B4. The bottom staff begins with a whole rest, followed by a half note G4, a half note A4, and a quarter note B4. Both staves feature a crescendo hairpin from measure 28 to 30, a decrescendo hairpin from measure 30 to 31, and a final crescendo hairpin from measure 31 to the end of the system. The dynamic markings *mf*, *fp*, and *mp* are placed below the staves. The time signature is 4/4.

32

gliss. gliss. gliss. rich metallic sound

f

32

f

Detailed description: This system contains two staves of music for measures 32 to 35. The top staff begins with a half note G4, a half note A4, and a quarter note B4. The bottom staff begins with a whole rest, followed by a half note G4, a half note A4, and a quarter note B4. Both staves feature a crescendo hairpin from measure 32 to 35. The dynamic marking *f* is placed below the staves. The time signature is 4/4.

36

more gently *mf* with color and warmth fully stopped

36

with color and warmth

Detailed description: This system contains two staves of music for measures 36 to 38. The top staff begins with a half note G4, a half note A4, and a quarter note B4. The bottom staff begins with a whole rest, followed by a half note G4, a half note A4, and a quarter note B4. Both staves feature a decrescendo hairpin from measure 36 to 38. The dynamic marking *mf* is placed below the staves. The time signature is 4/4.

39 **3** 19. *pp* **3** **4** **4**

44 *solo cadenza* penetrating *fz fp* *mp* *light gliss.* *mp* *more tranquil* + sing **4** **3/4** **3/8** **4** **2/4**

44 *solo cadenza* **4** **3/4** **3/8** **4** **2/4**

48 *gliss.* **2/4** **4/4** **2/4** **3/4** **5/4**

48 **2/4** **4/4** **2/4** **3/4** **5/4**

52 *play* + + *gliss.* *play* *create and maintain strong interference* *mf* *fp* *mf* **3/4** **4**

52 *mf* *fp* *mf* **3/4** **4**

sing: minor 7th down from the 11th partial

55 *mf* *fp* *mp* *(fully open)* **4** **3/4** **3/8** **4**

55 **4** **3/4** **3/8** **4**

58 *mf* *play* *sing*

Musical notation for measures 58-61. The top staff shows a melodic line with a four-measure slur and a long note in measure 60. The bottom staff shows rests. Time signatures change from 4/4 to 5/4 and 6/4.

62 *f*

Musical notation for measures 62-65. The top staff shows a melodic line with a slur and a long note in measure 64. The bottom staff shows rests. Time signatures change from 6/4 to 4/4, 5/4, and 4/4.

65 *fp* *mf* *affectively* *mp*

Musical notation for measures 65-68. The top staff shows a melodic line with a slur and a long note in measure 65. The bottom staff shows rests. Time signatures change from 4/4 to 5/4, 2/4, 7/8, and 4/4.

69 *mf*

Musical notation for measures 69-72. The top staff shows rests. The bottom staff shows a melodic line with a slur and a long note in measure 69. Time signatures change from 4/4 to 6/4, 3/4, 7/8, and 15/16.

73 *mp* *transparently and calmly*

with the winds, not a soloistic line

Musical notation for measures 73-76. The top staff shows a melodic line with a slur and a long note in measure 73. The bottom staff shows rests. Time signatures change from 15/16 to 4/4, 15/16, 3/4, 7/8, and 8/8.

78 ^{15.} *mf* *molto*

78 *mf* *molto*

81 *affectively* ^{16.} *p subito* *mf* *p*

81 *affectively* *p subito* *mf* *p*

81 *affectively* *p subito* *mf* *p*

85 *p* *mf*

85 *p* *mf*

85 *p* *mf*

89 *(mf)*

89 *(mf)*

89 *(mf)*