

# Natural Horn solo

Required instruments: G and C bass Natural Horn

*The orchestral Natural Horn obligato 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

Olli Virtaperko 2020

*freely*  
harpichord

susp. cymb.

senza misura

Natural horn in G

solo, freely

(smoothly)

< vibrato > (,)

3

bend to a (or as close as it gets)

*poco crescendo*

5  $\text{♩} = 66$  feel in written rhythms, still freely

gliss. gesture

7 make a narrow accelerating bend trill downwards from note g<sup>1</sup>, and gradually widen the interval to become minor third (g-e, trill progression time ad lib.)

slow – accelerating (rit.)

9 (in tempo)

vibrato (downwards) add consonant "L"

11 11. 10. 9. 8. 7. 6. 5. 6. 7. 8. 9. 10. 11. similarly

pattern repetition ad lib., prioritise smoothness and effortlessness of the sounding result

5. 6. 7. 8. 9. 10.

*p subito*

*molto crescendo*

14 vigorously

ascending line, three clearly different pitches (from 9th partial)

simile (from 10th partial)

(from 11th partial)

(from 12th partial)

*ff*

(approximate pitches)

16 fluently, with ease

bouncy, active rhythmically accurately

+ susp. cymbal

bend up

*mp*

*crescendo*

*p subito*

19 12. *f* *molto rit.*  $\text{♩} = 60$  *calmly* *p*

22 **Natural horn oblicato (in Eb)** *mp*

color sound with microinterval wobbling (below target note) *gliss ad lib. towards g<sup>2</sup>* *mp*

26 *mf* *mp*

wobbling as before *mf* *mp*

31 *solo cantabile* *hold back*

(approximate pitch)

34 *in tempo* *p* *molto cresc.* *delicately* *p subito* *molto cresc.*

*in tempo* *p* *wobbling as earlier* *molto cresc.* *delicately* *p subito* *molto cresc.*

37 *mp* *molto cresc.* *p subito* *mp* *mp*

*mp* *molto cresc.* *p* *mp*  $\text{♩} = 72$  *affectively*

Musical notation for measures 41-44. The top staff starts with a treble clef, a 4/4 time signature, and a *p* dynamic. It features a long melodic line with a slur over measures 41-42, a change to 6/4 time at measure 43, and a *mp* dynamic. The bottom staff also starts with a treble clef, a 4/4 time signature, and a *p* dynamic. It features a long melodic line with a slur over measures 41-42, a change to 6/4 time at measure 43, and a *(mp)* dynamic. Performance instructions include *poco cresc.*, *more expressive*, and *poco rit.*

Musical notation for measures 45-48. The top staff starts with a treble clef, a 3/4 time signature, and an *mf* dynamic. It features a long melodic line with a slur over measures 45-48 and a  $\oplus$  symbol above measure 48. The bottom staff also starts with a treble clef, a 3/4 time signature, and an *mf* dynamic. It features a long melodic line with a slur over measures 45-48 and a *fully open* instruction above measure 48. Performance instructions include *in tempo*.

Musical notation for measures 49-52. The top staff starts with a treble clef, a 3/4 time signature, and an *f* dynamic. It features a long melodic line with a slur over measures 49-50, a *fully open* instruction above measure 51, a triplet of eighth notes in measure 51, and a *mp* dynamic in measure 52. The bottom staff also starts with a treble clef, a 3/4 time signature, and an *f* dynamic. It features a long melodic line with a slur over measures 49-50, a *fully open* instruction above measure 51, a triplet of eighth notes in measure 51, and a *mp* dynamic in measure 52. Performance instructions include *a bit more calmly*.

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5

53 *mp*

53  $\text{♩} = 60$  *mp*

57 *mf*

57 *mf*

61 *f*

61 *f*

*more active* *firmly and precisely*

65

65

69

69



91 **2** **2**

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

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

99 *ff* **3** *f* **5**

99 *ff* **gliss. gesture** *f* **3**

102 *ff* **sostenuto** **poco rit. molto diminuendo** *mp*

102 *ff* **10** *mp* **(♩=♩) ♩ = 80 calmly**

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



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

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

fully open ⊕ fully open

113 equal-tempered third, in unison with the soloist

*fz* boldly, surprisingly *mf*

*fz* boldly, surprisingly *mf*

fully open

116 *mp* *fp*

*mp* *fp*

playfully (giocosamente) articulate very clearly

fully open bend

*molto cresc.*

119 *f* *mp* *mf* *p* *p*

calming down

change to C bass horn

calming down

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

128 in tempo

## III

Natural horn in C (bass)

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

*f*

Natural horn in G

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

*f*

*f*

*f*

*f*

*f*

*f* *meno forte*

*sf* *gliss.* *f* *meno forte*

17 *gliss.* *mf*

17 *gliss.* *mf*

21 *mp* *mf*

21 (fully open) *gliss.* *mf*

26 bend (with embouchure)

26 bend (with embouchure)

30 *f*

30 *f*

34 *calming down* *in tempo*

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

43 *f* *mf* *mf* *f*

47 *f* *f*

50 *sf* *f* *mf* *f* *f* *f*

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

59 *mf* *f*

63 *f* *sf* *f*

66 *change to F horn* *2* *G.P.* *3*

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

[page turn]

73 **Natural horn in F**

*mp* *mf*

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

*mp* *mf*

Detailed description: This system contains the first two staves of the score. The top staff is for the Natural Horn in F, and the bottom staff is for the Natural Horn in C (bass). Both staves begin at measure 73. The music starts with a mezzo-piano (*mp*) dynamic and transitions to mezzo-forte (*mf*) by measure 75. The time signature changes from 3/4 to 12/16 and then to 4/4. There are trills and triplets indicated in the later measures.

77 *decisively*

*f* *mf* *poco a poco crescendo*

77 *decisively*

*f* *mf* *poco a poco crescendo*

Detailed description: This system contains measures 77-81. Both staves are marked *decisively*. The dynamics start at forte (*f*) and move to mezzo-forte (*mf*) by measure 80, with a *poco a poco crescendo* instruction. The music features long, sweeping lines with accents.

82

82

15. 16. 17. 18. 19.

*ff* *meno forte*

Detailed description: This system contains measures 82-85. The music is marked *ff* (fortissimo) and then *meno forte*. The time signature changes to 2/4, 12/16, 8/8, and 12/16. The notation includes many accents and slurs.

86

86

21. 17. 18. 19. 22.

*mf* *poco cresc.* *f*

Detailed description: This system contains measures 86-89. The dynamics range from mezzo-forte (*mf*) to forte (*f*). The time signature changes to 12/16, 4/4, 2/4, and 4/4. The music is characterized by rapid sixteenth-note passages with many accents.

90

90

23. 24. 22. 21. 20. 19. 18. 17. 19. 20. 21. 22. 18. 16. 15.

*sf* *sf*

Detailed description: This system contains measures 90-93. The music is marked *sf* (sforzando). The time signature changes to 4/4, 8/8, 2/4, and 4/4. The notation includes triplets and slurs.

with stamina & accurate rhythmic drive

94 *meno forte*

16. 20. 17. 15. 16.

*meno forte*

with stamina & accurate rhythmic drive

Detailed description: This system contains two staves of music for measures 94-96. The top staff begins with a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. It features a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. The bottom staff starts with a treble clef, a key signature of one sharp, and a 4/4 time signature. It contains a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. Measure numbers 16., 20., 17., 15., and 16. are written above the first five measures. The instruction 'meno forte' appears below the first measure of both staves. The instruction 'with stamina & accurate rhythmic drive' appears above the last measure of both staves.

97

Detailed description: This system contains two staves of music for measures 97-100. The top staff begins with a treble clef, a key signature of one sharp, and a 4/4 time signature. It features a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. The bottom staff starts with a treble clef, a key signature of one sharp, and a 4/4 time signature. It contains a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. Measure numbers 97, 98, 99, and 100 are written above the first four measures of the top staff.

101

15. 16.

Detailed description: This system contains two staves of music for measures 101-104. The top staff begins with a treble clef, a key signature of one sharp, and a 3/8 time signature. It features a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. The bottom staff starts with a treble clef, a key signature of one sharp, and a 3/8 time signature. It contains a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. Measure numbers 101, 102, 103, and 104 are written above the first four measures of the top staff. Measure numbers 15. and 16. are written above the last two measures of the bottom staff.

105

Detailed description: This system contains two staves of music for measures 105-109. The top staff begins with a treble clef, a key signature of one sharp, and a 6/16 time signature. It features a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. The bottom staff starts with a treble clef, a key signature of one sharp, and a 6/16 time signature. It contains a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. Measure numbers 105, 106, 107, 108, and 109 are written above the first five measures of the top staff.

110

3

Detailed description: This system contains two staves of music for measures 110-114. The top staff begins with a treble clef, a key signature of one sharp, and a 5/16 time signature. It features a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. The bottom staff starts with a treble clef, a key signature of one sharp, and a 5/16 time signature. It contains a melodic line with slurs and accents, and a bass line with a steady eighth-note accompaniment. Measure numbers 110, 111, 112, 113, and 114 are written above the first five measures of the top staff. A '3' is written above the first measure of the bottom staff, indicating a triplet.

117 *(mp - mf)*

Musical staff 117 (top): Treble clef, 5/16 time signature. The staff contains a melodic line with eighth notes and a final measure with a sharp sign above the staff. Dynamic marking: *(mp - mf)*.

117 *(mp - mf)*

Musical staff 117 (bottom): Treble clef, 5/16 time signature. The staff contains a bass line with eighth notes and accents. Dynamic marking: *(mp - mf)*.

121 *poco ritardando* -----

Musical staff 121 (top): Treble clef, 2/4 time signature. The staff contains a melodic line with eighth notes and a 4/4 time signature change. Dynamic marking: *poco ritardando* with a dashed line.

121 *poco ritardando* -----

Musical staff 121 (bottom): Treble clef, 2/4 time signature. The staff contains a bass line with eighth notes and accents, and a 4/4 time signature change. Dynamic marking: *poco ritardando* with a dashed line.

124 *poco dim. (mp)*

Musical staff 124 (top): Treble clef. The staff contains a melodic line with long notes and slurs. Dynamic marking: *poco dim. (mp)*.

*affectively*  
124 *in tempo*  
*poco dim. (mp)*

Musical staff 124 (bottom): Treble clef. The staff contains a melodic line with long notes and slurs. Dynamic marking: *affectively*, *in tempo*, and *poco dim. (mp)*.

128

Musical staff 128 (top): Treble clef. The staff contains a melodic line with long notes and slurs.

128

Musical staff 128 (bottom): Treble clef. The staff contains a melodic line with long notes and slurs.





21

Two staves of music for measures 21 and 22. The top staff begins with a 4/4 time signature, followed by a 3/4 time signature, and ends with a 4/4 time signature. The bottom staff follows the same time signature changes. Both staves feature a melodic line with a dynamic marking of *mp* at the start and *mf* later. A hairpin crescendo is shown between the two dynamics. The music includes a triplet of eighth notes in measure 22.

24

Two staves of music for measures 24 and 25. The top staff has a dynamic marking of *mp* and a triplet of eighth notes. The bottom staff has a dynamic marking of *mp*. Both staves feature a hairpin crescendo.

28

Two staves of music for measures 28 and 29. The top staff has a dynamic marking of *mf*. The bottom staff has dynamic markings of *mf*, *fp*, and *mp*. Both staves feature a hairpin crescendo.

32

Two staves of music for measures 32 and 33. The top staff has a dynamic marking of *f*. The bottom staff has dynamic markings of *f* and *rich metallic sound*. Both staves feature a hairpin crescendo. The bottom staff includes glissando markings and a '+' symbol.

36

Two staves of music for measures 36 and 37. The top staff has a dynamic marking of *mf*. The bottom staff has a dynamic marking of *mf*. Both staves feature a hairpin crescendo. The bottom staff includes a '+' symbol and the instruction 'with color and warmth fully stopped'.



68

*mp* *mf*

73

with the winds, not a soloistic line

transparently and calmly

17. 16.

*mp*

78

*mf* *molto* *p subito*

15. 16.

*mf* *molto* *affectively* *p subito*

82

*mf* *p* *p*

*mf* *p* *p*

87

*mf* (*mf*)

*mf* (*mf*)