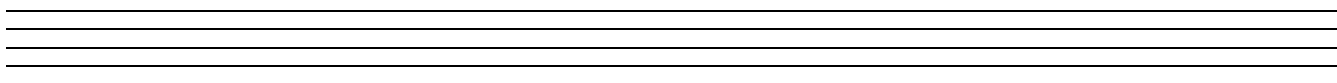


Möbius

open loops for variable chamber ensemble

Jordan Nobles



Möbius

open score for spatialized chamber ensemble

Jordan Nobles

ABOUT THE PIECE

Möbius is an open score piece composed for variable instrumentation and duration. It was commissioned by **The Blueridge International Chamber Music Festival** and premiered in Vancouver on July 29, 2015.

DURATION:

Möbius is a 1 minute loop which should continue for 6 - 12 minutes, or whatever duration is desired.



PERFORMANCE NOTES

Möbius has no parts, all musicians read off of the score.

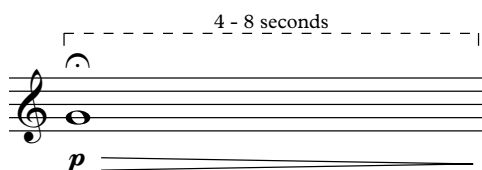
There is no pulse, tempo, measures or exact synchronization. The piece is coordinated by timers only (stopwatch or phone or clock, etc.).

INSTRUCTIONS

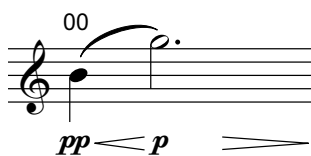
- *Möbius* is made of numerous looping systems or 'strips'. Musicians perform the notes, independently, on any strip they wish. They can repeat the same strip over and over again or jump at any time to a different strip.
- any strip can be repeated or ignored and need not be performed in any specific order
- the duration of the piece is variable but should probably be decided on ahead of time
- the numbers above the notes indicate the timing of when the note is to be performed. It corresponds to the second the note should be played, no matter what minute or strip it is on. For instance a **B** with a **37** above it should be played at **0'37"** and/or **1'37"** and/or **7'37"** etc. This can be approximate.
- players can pause at any time to breathe and to listen before proceeding
- all notes should be soft and quiet throughout the piece
- all notes can be performed in any octave desired as long as they are still performed quietly
- there are always two notes written together, they can be performed together harmonically or melodically or the performer may choose just one note to perform; ignoring the second one.

- intervals can be inverted whenever desired. For example:  can also be 

- the notes or intervals can be performed in any number of ways. For example:

as long tones of 4-8 seconds: 

as pulses: 

as melodic intervals: 

or as smooth trills: 

Score in C

Möbius

loops for variable ensemble

Jordan Nobles

Loop for X minutes, play notes in any octave

The score consists of ten staves, each labeled 'Strip A' through 'Strip I'. Each staff begins with a treble clef and a key signature of one flat (Bb). The staves contain musical notation for various time points, with notes often appearing as pairs. The time markers and notes are as follows:

- Strip A:** 00 (C4, G4), 20 (Bb3, F4), 40 (C4, G4)
- Strip B:** 10 (C4, G4), 30 (Bb3, F4), 50 (C#4, G#4)
- Strip C:** 00 (C4, G4), 15 (Bb3, F4), 30 (C#4, G#4), 45 (C4, G4)
- Strip D:** 05 (C4, G4), 20 (Bb3, F4), 35 (Bb3, F4), 50 (C4, G4)
- Strip E:** 10 (C4, G4), 25 (Bb3, F4), 40 (C#4, G#4), 55 (C#4, G#4)
- Strip F:** 09 (C4, G4), 21 (Bb3, F4), 33 (Bb3, F4), 45 (C#4, G#4), 57 (C4, G4)
- Strip G:** 06 (C4, G4), 18 (Bb3, F4), 30 (Bb3, F4), 42 (C#4, G#4), 54 (C4, G4)
- Strip H:** 03 (C4, G4), 15 (Bb3, F4), 27 (Bb3, F4), 39 (C#4, G#4), 51 (C#4, G#4)
- Strip I:** 00 (C4, G4), 12 (C4, G4), 24 (Bb3, F4), 36 (C#4, G#4), 48 (C4, G4)

Score in C

Strip J 02 12 22 32 42 52

Strip K 04 14 24 34 44 54

Strip L 06 16 26 36 46 56

Strip M 08 18 28 38 48 58

Strip N 07 15 23 31 39 47 55

Strip O 03 11 19 27 35 43 51

Strip P 01 09 17 25 33 41 49 57

Strip Q 04 10 16 22 28 34 40 46 52

Strip R 01 07 13 19 25 31 37 43 49 55

Score in C - Bass Clef

Möbius

loops for variable ensemble

Jordan Nobles

Loop for X minutes, play notes in any octave

The score consists of ten horizontal staves, each labeled 'Strip A' through 'Strip I'. Each staff begins with a bass clef and a repeat sign. The notes are represented by black dots with stems, and some are beamed together. Time markers in minutes are placed above the staves at specific intervals. The notes and their corresponding time markers are as follows:

- Strip A:** 00 (C2, G2), 20 (B1, C2), 40 (G1)
- Strip B:** 10 (C2, G2), 30 (B1, C2), 50 (F#2, G2)
- Strip C:** 00 (C2, G2), 15 (B1, C2), 30 (F#2, G2), 45 (F#2, G2)
- Strip D:** 05 (C2, G2), 20 (B1, C2), 35 (B1, C2), 50 (C2, G2)
- Strip E:** 10 (C2, G2), 25 (B1, C2), 40 (F#2, G2), 55 (F#2, G2)
- Strip F:** 09 (C2, G2), 21 (B1, C2), 33 (B1, C2), 45 (F#2, G2), 57 (C2, G2)
- Strip G:** 06 (C2, G2), 18 (B1, C2), 30 (B1, C2), 42 (F#2, G2), 54 (C2, G2)
- Strip H:** 03 (C2, G2), 15 (B1, C2), 27 (B1, C2), 39 (F#2, G2), 51 (F#2, G2)
- Strip I:** 00 (C2, G2), 12 (C2, G2), 24 (B1, C2), 36 (F#2, G2), 48 (C2, G2)

Score in C - Bass Clef

Strip J

Strip K

Strip L

Strip M

Strip N

Strip O

Strip P

Strip Q

Strip R

Score in C - Alto Clef

Möbius

loops for variable ensemble

Jordan Nobles

Loop for X minutes, play notes in any octave

The score consists of ten staves, each representing a different 'strip' (A through I). Each staff is written in C Alto Clef (C4 on the middle line) and contains a series of notes with stems, indicating pitch and duration. Time markers in minutes are placed above the staves to indicate when to play each note. The notes are often beamed together in pairs or groups. The key signature is C major, with various accidentals (sharps, flats, naturals) used to indicate specific notes. Each staff ends with a double bar line and repeat dots.

Strip	Time (min)	Notes (Octave)
Strip A	00	C4, D4
	20	B3, C4
	40	C4
Strip B	10	C4, D4
	30	B3, C4
	50	C#4, D4
Strip C	00	C4, D4
	15	B3, C4
	30	C#4, D4
	45	C4, D4
Strip D	05	C4, D4
	20	B3, C4
	35	B3, C4
	50	C4, D4
Strip E	10	C4, D4
	25	B3, C4
	40	C#4, D4
	55	C#4, D4
	57	C#4, D4
Strip F	09	C4, D4
	21	B3, C4
	33	B3, C4
	45	C#4, D4
	57	C#4, D4
Strip G	06	C4, D4
	18	B3, C4
	30	B3, C4
	42	C#4, D4
	54	C4, D4
Strip H	03	C4, D4
	15	B3, C4
	27	B3, C4
	39	C#4, D4
	51	C#4, D4
Strip I	00	C4, D4
	12	C4, D4
	24	B3, C4
	36	C#4, D4
	48	C4, D4

Score in C - Alto Clef

The image displays ten musical strips, labeled Strip J through Strip R, arranged vertically. Each strip is written in C major, Alto clef, and 3/4 time. The notes are grouped into measures, with measure numbers indicated above the staff. The strips contain the following notes and measure numbers:

- Strip J:** 02 (C4, G4), 12 (C4, G4), 22 (F4, C5), 32 (F4, C5), 42 (G4, C5), 52 (C4, G4).
- Strip K:** 04 (C4, G4), 14 (C4, G4), 24 (F4, C5), 34 (F4, C5), 44 (G4, C5), 54 (C4, G4).
- Strip L:** 06 (C4, G4), 16 (C4, G4), 26 (F4, C5), 36 (F4, C5), 46 (G4, C5), 56 (C4, G4).
- Strip M:** 08 (C4, G4), 18 (C4, G4), 28 (F4, C5), 38 (F4, C5), 48 (G4, C5), 58 (C4, G4).
- Strip N:** 07 (C4, G4), 15 (C4, G4), 23 (F4, C5), 31 (F4, C5), 39 (G4, C5), 47 (C4, G4), 55 (C4, G4).
- Strip O:** 03 (C4, G4), 11 (C4, G4), 19 (F4, C5), 27 (F4, C5), 35 (G4, C5), 43 (C4, G4), 51 (C4, G4).
- Strip P:** 01 (C4, G4), 09 (C4, G4), 17 (F4, C5), 25 (F4, C5), 33 (F4, C5), 41 (G4, C5), 49 (G4, C5), 57 (C4, G4).
- Strip Q:** 04 (C4, G4), 10 (F4, C5), 16 (F4, C5), 22 (F4, C5), 28 (F4, C5), 34 (G4, C5), 40 (C4, G4), 46 (C4, G4), 52 (C4, G4).
- Strip R:** 01 (C4, G4), 07 (C4, G4), 13 (C4, G4), 19 (C4, G4), 25 (C4, G4), 31 (F4, C5), 37 (F4, C5), 43 (G4, C5), 49 (G4, C5), 55 (G4, C5).

Möbius

loops for variable ensemble

Jordan Nobles

Loop for X minutes, play notes in any octave

The score consists of ten staves, each labeled 'Strip A' through 'Strip I'. Each staff begins with a treble clef and a key signature of one flat (B \flat). The notes are organized into pairs, with time markers in minutes above each pair. The notes are as follows:

- Strip A:** 00 (D \sharp , E), 20 (F \flat , G), 40 (A \sharp , B \sharp)
- Strip B:** 10 (C, D), 30 (E \flat , F), 50 (G \sharp , A \sharp)
- Strip C:** 00 (B \flat , C), 15 (D, E), 30 (F \sharp , G \sharp), 45 (A \sharp , B \sharp)
- Strip D:** 05 (C, D), 20 (E, F), 35 (G \flat , A \flat), 50 (B \sharp , C \sharp)
- Strip E:** 10 (C, D), 25 (E \flat , F), 40 (G \flat , A \flat), 55 (B \sharp , C \sharp)
- Strip F:** 09 (C, D), 21 (E \flat , F), 33 (G \flat , A \flat), 45 (B \sharp , C \sharp), 57 (D \sharp , E \sharp)
- Strip G:** 06 (C, D), 18 (E, F), 30 (G \flat , A \flat), 42 (B \sharp , C \sharp), 54 (D \sharp , E \sharp)
- Strip H:** 03 (C \sharp , D \sharp), 15 (E, F), 27 (G \flat , A \flat), 39 (B \flat , C), 51 (D \sharp , E \sharp)
- Strip I:** 00 (C, D), 12 (E, F), 24 (G, A), 36 (B \sharp , C \sharp), 48 (D \sharp , E \sharp)

Score in B \flat

The musical score consists of ten staves, each labeled with a letter from J to R. Each staff contains a sequence of notes with measure numbers above them. The notes are written in a treble clef and include various accidentals (sharps, flats, and naturals). The staves are arranged vertically, with Strip J at the top and Strip R at the bottom. The measure numbers for each staff are: Strip J (02, 12, 22, 32, 42, 52), Strip K (04, 14, 24, 34, 44, 54), Strip L (06, 16, 26, 36, 46, 56), Strip M (08, 18, 28, 38, 48, 58), Strip N (07, 15, 23, 31, 39, 47, 55), Strip O (03, 11, 19, 27, 35, 43, 51), Strip P (01, 09, 17, 25, 33, 41, 49, 57), Strip Q (04, 10, 16, 22, 28, 34, 40, 46, 52), and Strip R (01, 07, 13, 19, 25, 31, 37, 43, 49, 55).

Score in E \flat

Möbius

loops for variable ensemble

Jordan Nobles

Loop for X minutes, play notes in any octave

The score consists of ten horizontal musical staves, each labeled 'Strip A' through 'Strip I'. Each staff begins with a treble clef and a key signature of one flat (E \flat). The notes are represented by black dots on the staff lines, indicating pitch. Time markers in minutes are placed above the staves at regular intervals. Each staff ends with a double bar line and repeat dots. The notes and their corresponding time markers are as follows:

Strip	Time (min)	Notes
Strip A	00	C4, G4
	20	C4, G4
	40	A#4, B4
Strip B	10	C4, G4
	30	Bb4, C5
	50	A#4, B4
Strip C	00	C4, G4
	15	C4, G4
	30	Bb4, C5
	45	Bb4, C5
Strip D	05	C4, G4
	20	C4, G4
	35	Bb4, C5
	50	A#4, B4
Strip E	10	A#4, B4
	25	Bb4, C5
	40	Bb4, C5
	55	A#4, B4
	Strip F	09
21		Bb4, C5
33		Bb4, C5
45		A#4, B4
57		A#4, B4
Strip G	06	C4, G4
	18	C4, G4
	30	Bb4, C5
	42	Bb4, C5
	54	Bb4, C5
Strip H	03	A#4, B4
	15	C4, G4
	27	Bb4, C5
	39	Bb4, C5
	51	A#4, B4
Strip I	00	C4, G4
	12	C4, G4
	24	C4, G4
	36	A#4, B4
	48	A#4, B4

Score in E \flat

The musical score consists of ten staves, each labeled with a letter from J to R. Each staff begins with a treble clef and a repeat sign. The notes are organized into measures, with measure numbers printed above the staff. The notes are as follows:

- Strip J:** Measures 02, 12, 22, 32, 42, 52. Notes: G4, A4; G4, A4; G4, A4; F4, G4; F4, G4; G4, A4.
- Strip K:** Measures 04, 14, 24, 34, 44, 54. Notes: G#4, A4; G4, A4; G4, A4; F4, G4; F4, G4; F4, G4.
- Strip L:** Measures 06, 16, 26, 36, 46, 56. Notes: G4, A4; G4, A4; G4, A4; F4, G4; G#4, A4; G#4, A4.
- Strip M:** Measures 08, 18, 28, 38, 48, 58. Notes: G#4, A4; G4, A4; G#4, A4; F4, G4; G#4, A4; G#4, A4.
- Strip N:** Measures 07, 15, 23, 31, 39, 47, 55. Notes: G#4, A4; G4, A4; G4, A4; F4, G4; F4, G4; G#4, A4; G#4, A4.
- Strip O:** Measures 03, 11, 19, 27, 35, 43, 51. Notes: G#4, A4; G4, A4; G#4, A4; F4, G4; F4, G4; F4, G4; G#4, A4.
- Strip P:** Measures 01, 09, 17, 25, 33, 41, 49, 57. Notes: G#4, A4; G4, A4; G4, A4; G#4, A4; F4, G4; G#4, A4; F4, G4; G#4, A4.
- Strip Q:** Measures 04, 10, 16, 22, 28, 34, 40, 46, 52. Notes: G4, A4; G4, A4; G4, A4; G4, A4; F4, G4; G#4, A4; G#4, A4; G#4, A4; G#4, A4.
- Strip R:** Measures 01, 07, 13, 19, 25, 31, 37, 43, 49, 55. Notes: G#4, A4; G#4, A4; G#4, A4; G4, A4; G4, A4; G4, A4; F4, G4; G#4, A4; G#4, A4; G#4, A4.

Möbius

loops for variable ensemble

Jordan Nobles

Loop for X minutes, play notes in any octave

The score consists of ten staves, each labeled 'Strip A' through 'Strip I'. Each staff begins with a treble clef and a key signature of one sharp (F#). The notes are organized into measures, with time markers in minutes above the staves. The notes are primarily dyads (two notes together) and triads (three notes together). The time markers for each strip are: Strip A (00, 20, 40), Strip B (10, 30, 50), Strip C (00, 15, 30, 45), Strip D (05, 20, 35, 50), Strip E (10, 25, 40, 55), Strip F (09, 21, 33, 45, 57), Strip G (06, 18, 30, 42, 54), Strip H (03, 15, 27, 39, 51), and Strip I (00, 12, 24, 36, 48). Each staff ends with a double bar line and repeat dots.

Strip J

02 12 22 32 42 52

Musical staff for Strip J in G major, showing notes at measures 02, 12, 22, 32, 42, and 52. The notes are: 02 (D4), 12 (E4), 22 (F#4), 32 (G4), 42 (A4), 52 (B4).

Strip K

04 14 24 34 44 54

Musical staff for Strip K in G major, showing notes at measures 04, 14, 24, 34, 44, and 54. The notes are: 04 (D4), 14 (E4), 24 (F#4), 34 (G4), 44 (A4), 54 (B4).

Strip L

06 16 26 36 46 56

Musical staff for Strip L in G major, showing notes at measures 06, 16, 26, 36, 46, and 56. The notes are: 06 (D4), 16 (E4), 26 (F#4), 36 (G4), 46 (A4), 56 (B4).

Strip M

08 18 28 38 48 58

Musical staff for Strip M in G major, showing notes at measures 08, 18, 28, 38, 48, and 58. The notes are: 08 (D4), 18 (E4), 28 (F#4), 38 (G4), 48 (A4), 58 (B4).

Strip N

07 15 23 31 39 47 55

Musical staff for Strip N in G major, showing notes at measures 07, 15, 23, 31, 39, 47, and 55. The notes are: 07 (D4), 15 (E4), 23 (F#4), 31 (G4), 39 (A4), 47 (B4), 55 (D5).

Strip O

03 11 19 27 35 43 51

Musical staff for Strip O in G major, showing notes at measures 03, 11, 19, 27, 35, 43, and 51. The notes are: 03 (D4), 11 (E4), 19 (F#4), 27 (G4), 35 (A4), 43 (B4), 51 (D5).

Strip P

01 09 17 25 33 41 49 57

Musical staff for Strip P in G major, showing notes at measures 01, 09, 17, 25, 33, 41, 49, and 57. The notes are: 01 (D4), 09 (E4), 17 (F#4), 25 (G4), 33 (A4), 41 (B4), 49 (D5), 57 (E5).

Strip Q

04 10 16 22 28 34 40 46 52

Musical staff for Strip Q in G major, showing notes at measures 04, 10, 16, 22, 28, 34, 40, 46, and 52. The notes are: 04 (D4), 10 (E4), 16 (F#4), 22 (G4), 28 (A4), 34 (B4), 40 (D5), 46 (E5), 52 (F#5).

Strip R

01 07 13 19 25 31 37 43 49 55

Musical staff for Strip R in G major, showing notes at measures 01, 07, 13, 19, 25, 31, 37, 43, 49, and 55. The notes are: 01 (D4), 07 (E4), 13 (F#4), 19 (G4), 25 (A4), 31 (B4), 37 (D5), 43 (E5), 49 (F#5), 55 (G5).

Score in F

Möbius

loops for variable ensemble

Jordan Nobles

Loop for X minutes, play notes in any octave

The score consists of ten horizontal musical staves, each labeled 'Strip A' through 'Strip I'. Each staff begins with a treble clef and a repeat sign. The notes are organized into groups, with time markers in minutes above the staves. The notes are as follows:

- Strip A:** 00 (F4, C5), 20 (Bb3, F4), 40 (F#4, C5)
- Strip B:** 10 (F4, C5), 30 (Bb3, F4), 50 (F#4, C5)
- Strip C:** 00 (F4, C5), 15 (Bb3, F4), 30 (Bb3, F4), 45 (F#4, C5)
- Strip D:** 05 (F4, C5), 20 (F4, C5), 35 (Bb3, F4), 50 (F#4, C5)
- Strip E:** 10 (F4, C5), 25 (Bb3, F4), 40 (F#4, C5), 55 (F#4, C5)
- Strip F:** 09 (F4, C5), 21 (Bb3, F4), 33 (Bb3, F4), 45 (F#4, C5), 57 (F#4, C5)
- Strip G:** 06 (F4, C5), 18 (F4, C5), 30 (Bb3, F4), 42 (Bb3, F4), 54 (F#4, C5)
- Strip H:** 03 (F#4, C5), 15 (Bb3, F4), 27 (Bb3, F4), 39 (Bb3, F4), 51 (F#4, C5)
- Strip I:** 00 (F4, C5), 12 (F4, C5), 24 (Bb3, F4), 36 (Bb3, F4), 48 (F#4, C5)

Score in F

The score consists of ten horizontal staves, each representing a guitar strip. Each staff begins with a treble clef and a repeat sign. The chords are written as pairs of notes on the staff. Measure numbers are placed above the first note of each chord. The strips are labeled J through R on the left side.

- Strip J:** Measures 02, 12, 22, 32, 42, 52. Chords: F2, F2, F2, F2, F2, F2.
- Strip K:** Measures 04, 14, 24, 34, 44, 54. Chords: F2, F2, F2, F2, F2, F2.
- Strip L:** Measures 06, 16, 26, 36, 46, 56. Chords: F2, F2, F2, F2, F2, F2.
- Strip M:** Measures 08, 18, 28, 38, 48, 58. Chords: F2, F2, F2, F2, F2, F2.
- Strip N:** Measures 07, 15, 23, 31, 39, 47, 55. Chords: F2, F2, F2, F2, F2, F2.
- Strip O:** Measures 03, 11, 19, 27, 35, 43, 51. Chords: F2, F2, F2, F2, F2, F2.
- Strip P:** Measures 01, 09, 17, 25, 33, 41, 49, 57. Chords: F2, F2, F2, F2, F2, F2.
- Strip Q:** Measures 04, 10, 16, 22, 28, 34, 40, 46, 52. Chords: F2, F2, F2, F2, F2, F2.
- Strip R:** Measures 01, 07, 13, 19, 25, 31, 37, 43, 49, 55. Chords: F2, F2, F2, F2, F2, F2.