

PEDRO HENRIQUE DE FARIA

5 Modular Miniatures

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Instrumentation

Flute (+ Piccolo)

Bb Clarinet (+ Bass Clarinet)

Violin

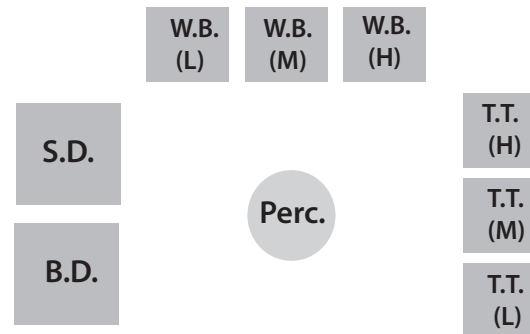
Cello

Piano

1 Percussionist:

- Snare Drum(with/without snare) [S.D.] ;
- 3 Wood-blocks [W.B. - High, Medium, Low];
- 3 Tom-toms [T.T. - High, Medium, Low];
- Bass Drum [B.D.];

Suggested Percussion Setup



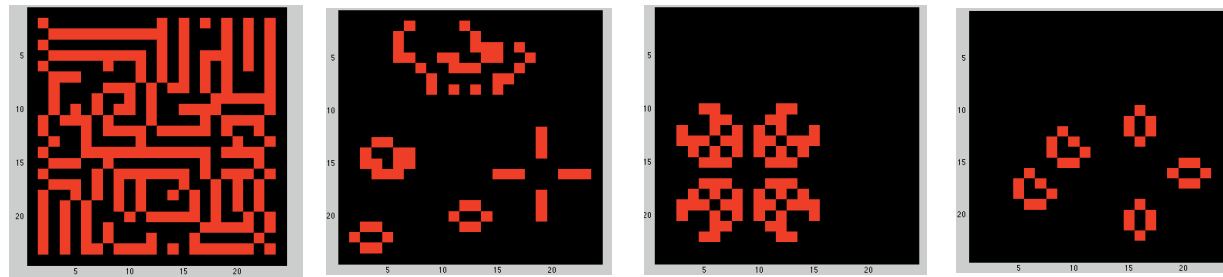
5 Modular Miniatures

Total duration: ~6:35

Pedro Henrique de Faria

About the piece

This piece is based on the study of various Cellular Automata models. Snapshots of the evolution of certain rules applied in different models were transcribed and manipulated, serving as the entire rhythmic material for this work. The pixelated, self-similar and often non-evolutionary characteristics are intrinsic features of these materials. A small collection of these images extracted are provided below, in order to demonstrate what was not only a literal, but also figurative reference of composition through dynamic processes.



Selecting the order of movements

Performers are encouraged to select a different order of movements for each performance; if not, the default sequence is A-B-C-D-E.

The selection must follow some rules. These are presented below:

- [A] must be the first or the fifth movement;
- [B] should not be preceded or followed by [D];
- [C] should not be the first movement ;
- [D] should not be preceded or followed by [B];
- [E] should not be the first movement;

(Score is in C)

Performance Notes

General

Dashed ties represent motifs and phrases.

Time signatures and measures serve as mere subdivisions, not meant to imply any emphasis or hierarchy on meter.

Strings double-stops have no suggested fingerings.

[A] - Piccolo, Bb Clarinet, Violin and Piano (dur. ~00:45)

Violin is always *sul ponticello*. *Sordino* is required in some excerpts.

When not specified, standard articulation for all instruments is *tenuto*.

Notice that the piano has two treble clefs: right hand being an octave higher throughout the movement.

Fermatas are always short (between 1.5 and 2.5 times the real duration of the specific note) and not preceded by *rallentando*.

[B] - Bass Clarinet, Cello, Piano, Bass Drum (dur. ~1:35)

Standard articulation for all instruments is *tenuto*.

Tremolos are always played as fast as possible.

Bass Drum, use soft mallets.

Fermatas are of medium duration (between 2.5 and 4 times the real duration).

The sound should be continuous in the first fermata (transition mm. 1-2).

[C] - Flute, Bb Clarinet, Violin, Cello, Piano, 3 Wood-blocks (dur. ~1:05)

Strings:

- arco: always *non-vibrato*, *con sordino* and *sul ponticello*;
- all *pizzicati*: notated either as 16th or 8th notes, in practice both have the same duration;
- Bartók pizz: all notes should be dampened after attack; no resonance;
- standard pizz.: let ring if accompanied by ties.

Wood-blocks:

- Use hard mallets.

[D] - Solo Piano (dur. ~1:35)

Standard articulation is *tenuto*.

Phrases and motives in this movement are not indicated by dashed ties. All chords are detached.

[E] - Flute, Bass Clarinet, Violin, Cello, Snare Drum (with/without snare), 3 Wood-blocks, 3 Tom-toms, Bass Drum (dur. ~1:35)

Tremolos are always played as fast as possible.

When *cresc./dim.* markings are not presented, dynamics should be considered *subito*.

Percussionist should select a pair of mallets that allow him to play all instruments.

Strings are always *con sordino*.

[A]

♩ = 92 Aggressive

(dur. ~00:45)

Piccolo

Clarinet in B $\flat$

Violin

Piano

f

mp

Ped.

This system contains the first four measures of the piece. The Piccolo, Clarinet in B $\flat$, Violin, and Piano parts are all marked *f* (forte) in the first measure. In the third measure, the Piccolo, Clarinet, Violin, and Piano parts are marked *mp* (mezzo-piano). The Piano part includes a pedal point marked *Ped.* in the third measure.

Picc.

B $\flat$ Cl.

Vln.

Pno.

mf

f

p

Con sord.

This system contains measures 5 through 8. Measures 5 and 6 are marked *mf* (mezzo-forte) for Picc., B $\flat$ Cl., Vln., and Pno. Measure 7 is marked *f* (forte) for Picc., B $\flat$ Cl., and Vln., and *p* (piano) for Pno. Measure 8 is marked *f* (forte) for Picc., B $\flat$ Cl., and Vln., and *p* (piano) for Pno. The Vln. part in measure 8 is marked *Con sord.* (con sordina).

10

Picc. *mp* *mf* *p* (subito)

B♭ Cl. *mf* *p* (subito)

Vln. *mp* Senza sord. *p*

Pno. *mf* *p*

una corda

Detailed description: This block contains the first system of a musical score, measures 10 through 14. It features four staves: Piccolo (Picc.), Bb Clarinet (B♭ Cl.), Violin (Vln.), and Piano (Pno.). The Piccolo part starts at measure 10 with a mezzo-piano (mp) dynamic, moves to mezzo-forte (mf) at measure 12, and then to piano (p) at measure 14, marked 'subito'. The Bb Clarinet part enters at measure 12 with a mezzo-forte (mf) dynamic and moves to piano (p) at measure 14, also marked 'subito'. The Violin part starts at measure 10 with a mezzo-piano (mp) dynamic and remains at that level until measure 14, where it changes to piano (p). The Piano part has a mezzo-forte (mf) dynamic at measure 12 and moves to piano (p) at measure 14. A 'una corda' instruction is written below the piano staff at measure 14. The system ends with a dashed line.

15

Picc. *mf* *f* *ff* *poco rall.*

B♭ Cl. *mf* *f* *ff*

Vln. *mf* *f* *ff*

Pno. *mf* *f* *ff*

Detailed description: This block contains the second system of a musical score, measures 15 through 18. It features the same four staves as the first system. The Piccolo part starts at measure 15 with a mezzo-forte (mf) dynamic, moves to forte (f) at measure 16, and then to fortissimo (ff) at measure 17. At measure 18, it changes to a piano (p) dynamic, marked 'subito', and includes a 'poco rall.' (poco rallentando) instruction. The Bb Clarinet part starts at measure 15 with a mezzo-forte (mf) dynamic, moves to forte (f) at measure 16, and then to fortissimo (ff) at measure 17. The Violin part follows a similar pattern, starting at mf, moving to f, and then to ff. The Piano part also starts at mf, moves to f, and then to ff. The system ends with a double bar line.

[B]

♩ = 55 **Patetico** (with deep feeling)

(dur. ~ 1:35)

Bass Clarinet

Cello

Piano

Bass Drum

Soft mallets

p

mp

8vb

una corda

p

mp

B. Cl.

Vlc.

Pno.

B. Dr.

mf

mf

una corda

Ped.

mf

4 $\text{♩} = 123 (\text{♩} \sim 61)$

B. Cl. *poco f*

Vlc. *poco f*

Pno. *poco f*

Ped. Ped.

B. Dr. $\text{♩} = 27$

5 $\text{♩} = 76$ $\text{♩} = 63$ $\text{♩} = 55$

B. Cl. *mf* *mp* *p*

Vlc. *mf* *mp* *p*

Pno. *mf* *mp* *p*

Ped. una corda Ped.

B. Dr. $\text{♩} = 19$ $\text{♩} = 12$ *p*

[C]

(dur. ~1:05)

Wood Block Ensemble

- Wood Blocks:** *ff* sempre
- Flute:** *mp*, *f*, *mp*
- Clarinet in B $\flat$:** *mp*, *f*, *mp*
- Violin:** *pizz.*, *f*, *ff*, *mp*, *arco*
- Cello:** *pizz.*, *f*, *ff*, *mp*, *arco*
- Piano:** *mf*, *ff*, *una corda*, *una corda*
- Wood Blocks (Hard mallets):** *ff* sempre
- Fl.:** *ff*, *mp*, *ff*
- B $\flat$ Cl.:** *ff*, *mp*, *ff*
- Vln.:** *pizz.*, *ff*, *mp*, *arco*, *ff*
- Vc.:** *pizz.*, *ff*, *mp*, *arco*, *ff*
- Pno.:** *mf*, *ff*, *una corda*
- W.blks.:** *ff* sempre

Tempo: $\text{♩} = 126$ **Facile (easy)**

Duration: (dur. ~1:05)

11

Fl.

B♭ Cl.

Vln.

Vc.

Pno.

W.blks.

mp

ff

mp

ff

mp

una corda

pizz.

una corda

una corda

16

Fl.

B♭ Cl.

Vln.

Vc.

Pno.

W.blks.

f

f

arco

f

arco

f

mp

una corda

f

3

21

Fl.

B♭ Cl.

Vln.

Vc.

Pno.

W.blks.

mp

mp

mf *mp*

mf *mp*

mp

mf

una corda

26

Fl.

B♭ Cl.

Vln.

Vc.

Pno.

W.blks.

ff *mp* *f* *mp* *ff*

ff *mp* *f* *mp* *ff*

ff *mp* *ff*

ff *mp* *ff*

ff *mf*

31

Fl.

B♭ Cl.

Vln.

Vc.

Pno.

W.blks.

This musical score page contains measures 31 through 33. The instruments are Flute (Fl.), B♭ Clarinet (B♭ Cl.), Violin (Vln.), Viola (Vc.), Piano (Pno.), and Woodwinds (W.blks.). The key signature has one sharp (F#), and the time signature is 4/4. Measure 31 shows the Flute and B♭ Clarinet playing a melodic line with eighth notes and rests, while the Violin and Viola play a sustained chord. The Piano and Woodwinds provide harmonic support with chords and moving lines. Measure 32 continues the melodic development in the Flute and B♭ Clarinet, with the Violin and Viola maintaining their harmonic texture. Measure 33 concludes the section with a final chordal texture across all instruments.

[D]

(dur. ~1:35)

Musical score for the piano part of "Misterioso" by Maurice Ravel. The score is in 4/4 time, marked "Misterioso" with a tempo of 60. The piano part features complex chords and arpeggios, with dynamic markings "always *mp*" and "Ped. (sostenuto)". The score includes various pedal markings and octave indications (8va, 8vb) for the right and left hands.

7

Ped. (sostenuto)

15^{ma}

(8^{va})

Ped.

Ped. (sostenuto)

Ped.

[E]

♩ = 76 molto sostenuto

Flute

Bass Clarinet

Violin

Cello

Snare Drum

Bass Drum

Wood Blocks

Tom-toms

p

p

(always con sordino)

p

(always con sordino)

p

mf

f

mp

mf

Detailed description: This musical score is for section [E] in 4/4 time, marked 'molto sostenuto' with a tempo of 76 beats per minute. The score includes parts for Flute, Bass Clarinet, Violin, Cello, Snare Drum, Bass Drum, Wood Blocks, and Tom-toms. The Flute and Bass Clarinet parts feature melodic lines with slurs and ties, including a triplet in the Flute part. The Violin and Cello parts are marked 'always con sordino' and play sustained chords and moving lines. The percussion section consists of Snare Drum, Bass Drum, Wood Blocks, and Tom-toms, with dynamic markings ranging from *f* to *mp*. The Wood Blocks and Tom-toms have accents and slurs. The Cello part has a dynamic change from *p* to *mf* in the final measure.

7

Fl.

B. Cl.

Vln.

Vlc.

S.Dr.

B. Dr.

W.blks.

T.tms.

without snare

mf

p

mf

p

f

mf

mp

3:2

Detailed description: This page shows measures 7 through 12 of a musical score. The instruments are Flute (Fl.), Bass Clarinet (B. Cl.), Violin (Vln.), Viola (Vlc.), Snare Drum (S.Dr.), Bass Drum (B. Dr.), Woodblocks (W.blks.), and Timpani (T.tms.). Measures 7-12 are marked with a '7' at the beginning. The Flute and Bass Clarinet parts feature melodic lines with slurs and dynamic markings of *mf* and *p*. The Violin and Viola parts have sustained notes with slurs and dynamics of *mf* and *p*. The Snare Drum part has a pattern of eighth notes in measures 8 and 9, marked *f*, with the instruction 'without snare'. The Bass Drum part has a single note in measure 8 marked *mf*. The Woodblocks part has a pattern of eighth notes in measures 11 and 12 marked *mp*. The Timpani part is silent throughout. A 3:2 ratio is indicated in measure 11.

13

Fl.

B. Cl.

Vln.

Vlc.

S.Dr.

B. Dr.

W.blks.

T.tms.

mf

p

mf

p

pp

f

let resonate

f

3:2

19

Fl.

B. Cl.

Vln.

Vlc.

S. Dr.

B. Dr.

W. blks.

T. tms.

mf

p

mf

pp

without snare

with snare

mp

mf

mf

Detailed description: This page contains a musical score for measures 19 through 24. The instruments are Flute (Fl.), Bass Clarinet (B. Cl.), Violin (Vln.), Viola (Vlc.), Snare Drum (S. Dr.), Bass Drum (B. Dr.), Woodblocks (W. blks.), and Timpani (T. tms.). Measure 19 starts with a rehearsal mark. The Flute and Bass Clarinet have melodic lines with slurs and ties. The Bass Clarinet has a dynamic marking of *mf* and a crescendo leading to *p*. The Violin and Viola have chords and moving lines. The Snare Drum has a *pp* dynamic and a phrase marked 'without snare' in measures 23-24, then 'with snare'. The Bass Drum has a *mf* dynamic in measure 24. The Woodblocks have a *mp* dynamic in measure 20 and *mf* in measure 22. The Timpani has a *mf* dynamic in measure 22. The score includes various musical notations such as slurs, ties, and dynamic markings.

25

Fl.

25

B. Cl.

25

Vln.

Vlc.

25

S. Dr.

B. Dr.

W.blks.

25

T.tms.

p

mf

p

ppp

mf

p

ppp

ppp

pp

f

8

3:2

The musical score for measures 25-30 is written for an 8-part ensemble. The Flute (Fl.) part begins in measure 25 with a whole note, followed by eighth and sixteenth notes, and a triplet of eighth notes in measure 28. The Bass Clarinet (B. Cl.) part starts with eighth notes in measure 25, a half note in measure 26, and a triplet of eighth notes in measure 28. The Violin (Vln.) part has a whole note in measure 25, followed by a half note and a quarter note in measure 26, and a half note in measure 27. The Viola (Vlc.) part has a whole note in measure 25, followed by a half note and a quarter note in measure 26, and a half note in measure 27. The Snare Drum (S. Dr.) part has a pattern of eighth notes in measure 25, followed by a half note in measure 26, and a half note in measure 27. The Bass Drum (B. Dr.) part has a whole note in measure 25, followed by a half note in measure 26, and a half note in measure 27. The Woodblocks (W.blks.) and Tom-toms (T.tms.) parts have whole notes in measure 25, followed by half notes in measure 26, and half notes in measure 27. Dynamics include *p*, *mf*, *p*, *ppp*, *pp*, and *f*. A triplet of eighth notes is marked in measure 28 of the Bass Clarinet part. A fermata is present over the eighth note in measure 29 of the Snare Drum part.