

Homotopy

pour percussions, captation gestuelle et électronique
temps réel

José Miguel Fernández 2017

Besoins techniques

Ordinateurs :

- 1 ordinateur MacBook Pro 2,6 GHz Intel Core i7 avec les logiciels MaxMSP 7 et SuperCollider 3.7.
- 1 carte audio avec 8 entrées et sorties (par exemple RME UFX)

Son :

- 8 hauts-parleurs autour du public.
- 7 microphones statiques directionnels (Neumann KM-184, voir la disposition dans "Schéma technique").

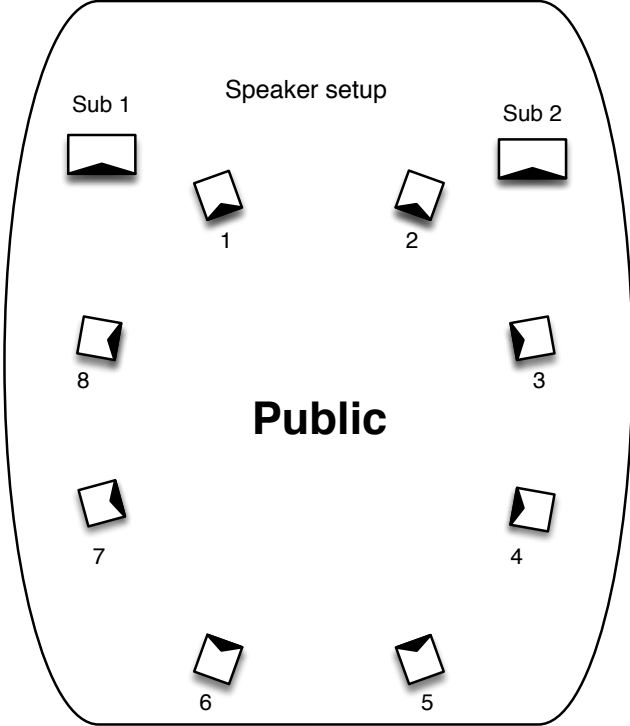
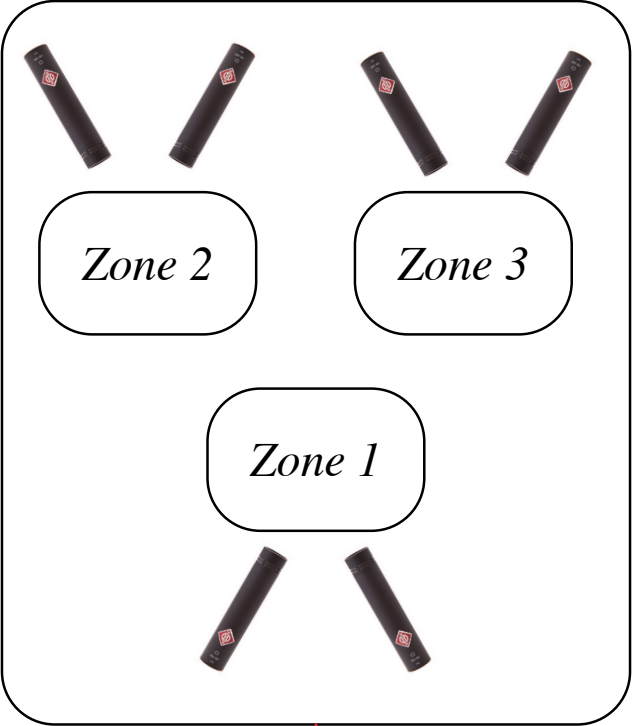
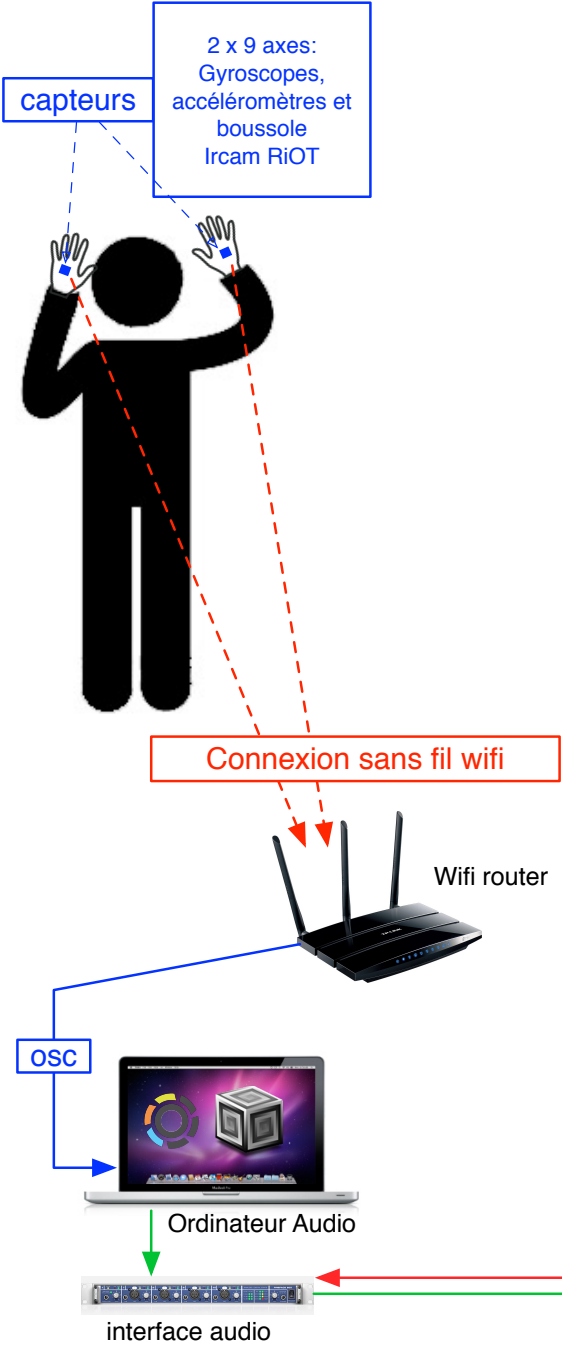
Capture de gestes :

-Gants :

- 2 capteurs RiOT à 9 axes (3 axes d'accéléromètre, 3 axes de gyroscope et 3 axes de boussole)

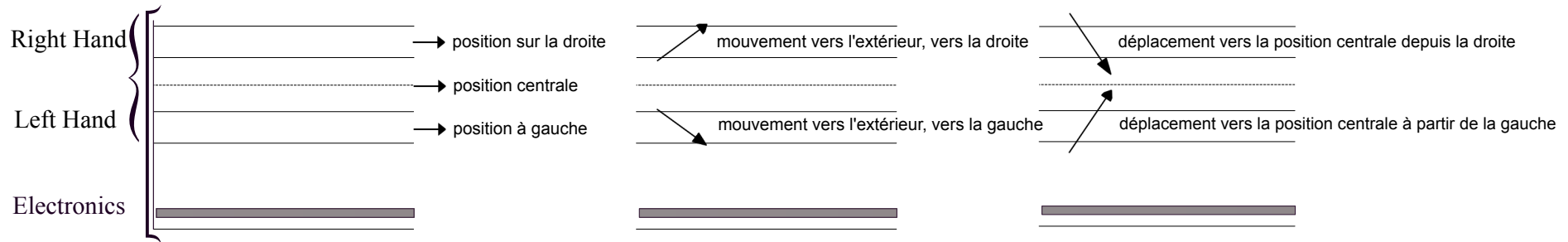
Schéma technique

Homotopy

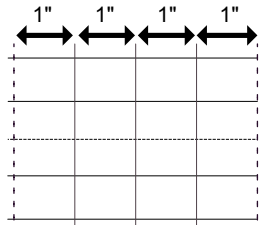


Instructions :

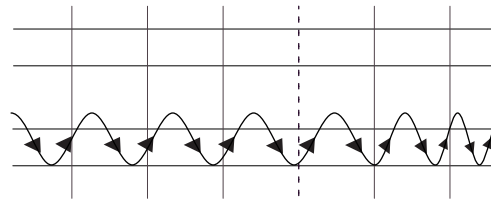
Position des mains en relation au corps de l'interprète



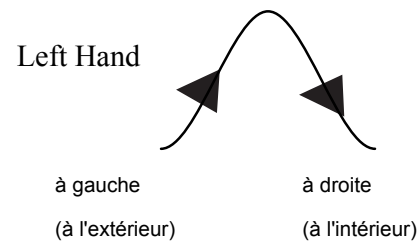
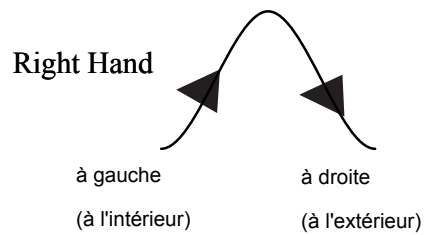
Division du temps, chaque case correspond à 1 seconde








Mouvement de la main gauche oscillant dans la position de la main gauche avec mouvement d'inclinaison de la main



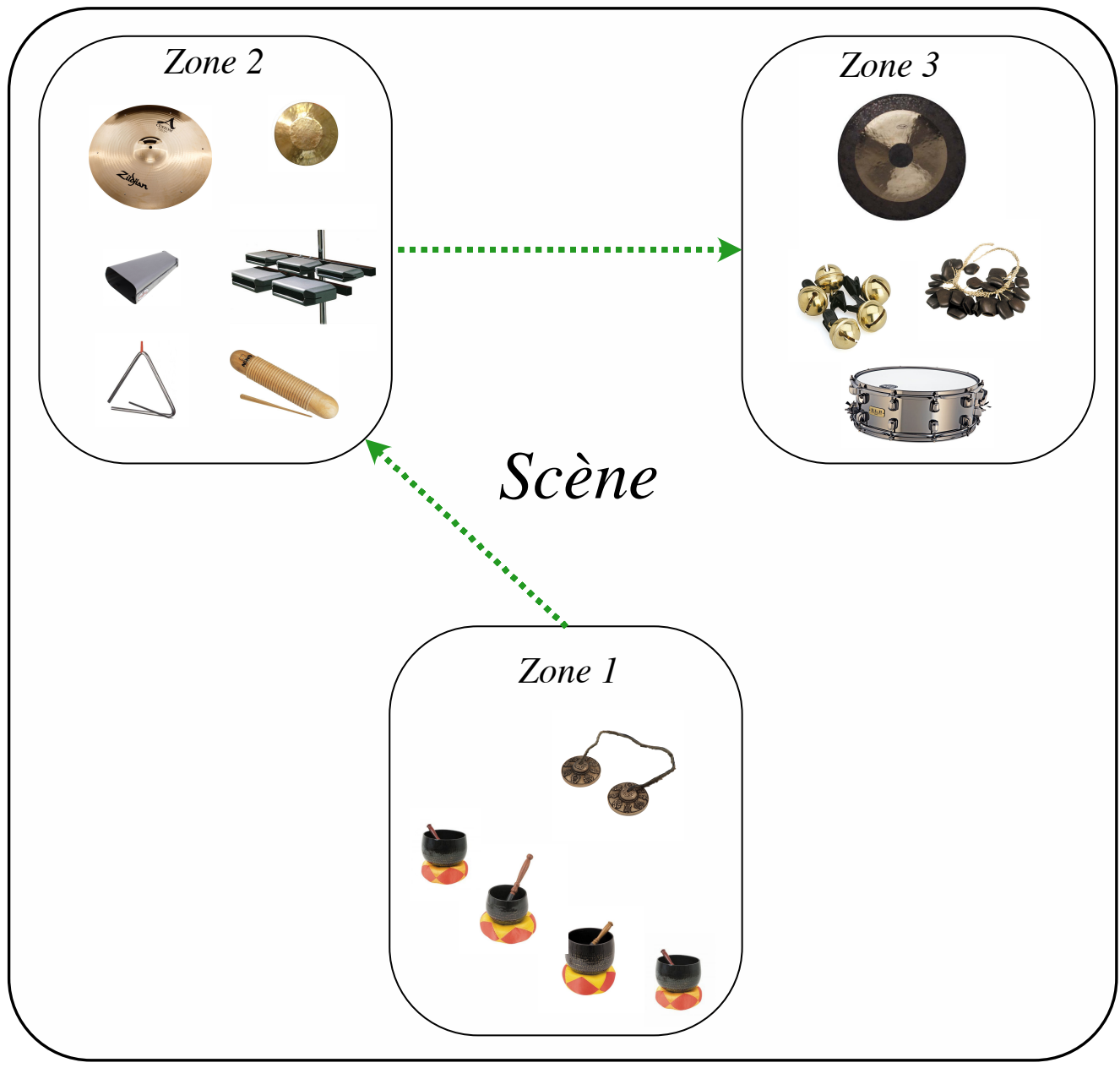
Inclinaison de la main vers l'intérieur et vers l'extérieur



Position des mains

	PLAT : paume de la main vers le bas ; doigts joints tournés vers l'avant.
	REVERSE : paume de la main vers le haut, doigts joints vers l'avant.
	COUPANT : main perpendiculaire au sol, doigts joints vers l'avant, pouce vers le haut ; l'angle du bras au coude peut être déplacé de plus ou moins 90 degrés.
	VERS L'EXTERIEUR : main perpendiculaire au sol, doigts joints vers l'avant ; pouce vers le bas.
	POING : poing fermé, vertical, pouce vers le haut.
	LA PIERRE : poing fermé, horizontal, le pouce tourné vers l'intérieur.

Zones, instruments

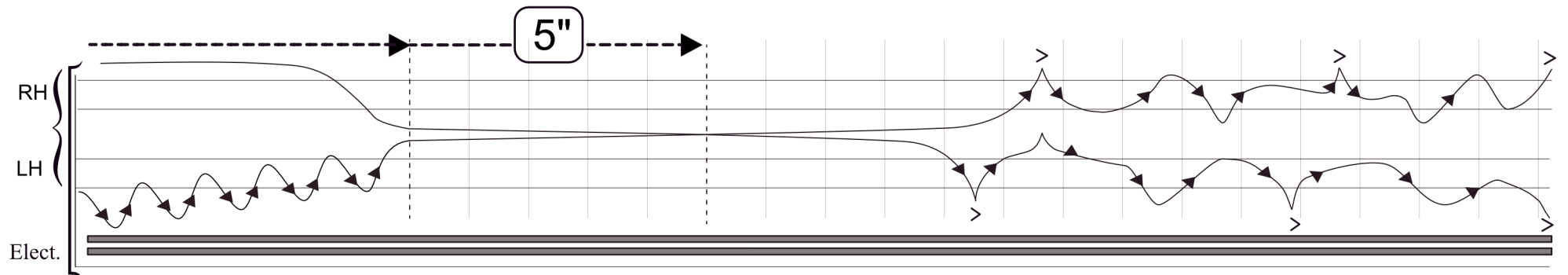
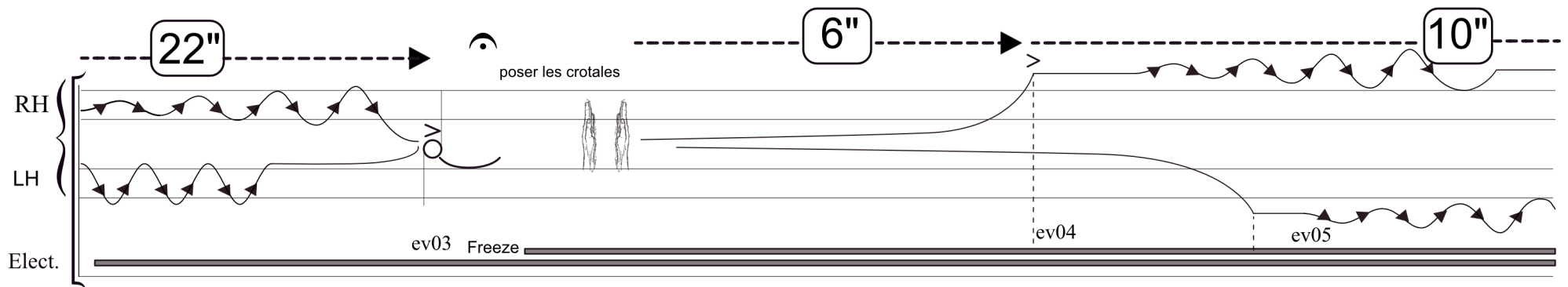
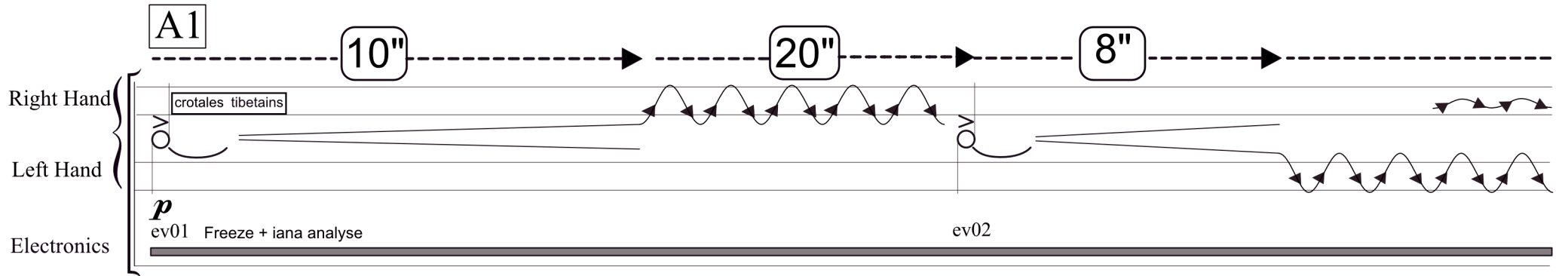


Homotopy

à Thierry Miroglio

José Miguel Fernández

Zone 1



RH

LH

Elect.

bols tibetains

A2

f

ev06

RH

LH

Elect.

rotations latérales

Avec Mouvement vertical

ev07

ev08

L.H.

RH

LH

Elect.

R.H.

A3

ev09

ev10

RH

LH

Elect.

ev11

ev12

ev13

ev14

A4

RH

LH

Elect.

ev15

ev16

ev17

18 19

ev20

21 ev22

23 24

ev25

26 27 28 29 ev30

A5

RH

LH

Elect.

ev31

32 33 34

ev35 36

ev37

38 39

40

ev41

rec mov B3

A6

Musical score for section A6, measures 1-10. The score is written for three staves: RH (Right Hand), LH (Left Hand), and Elect. (Electronic). The RH part features a complex rhythmic pattern with triplets and slurs. The LH part provides a bass line with notes and rests. The Elect. part includes a control line with annotations: *p*, ev42, play mov B3, and fade out play mov B3.

Musical score for section A6, measures 11-20. The score is written for three staves: RH (Right Hand), LH (Left Hand), and Elect. (Electronic). The RH part continues with complex rhythmic patterns, including triplets and slurs. The LH part provides a bass line with notes and rests. The Elect. part is a control line.

A7

Musical score for section A7, measures 21-30. The score is written for three staves: RH (Right Hand), LH (Left Hand), and Elect. (Electronic). The RH part features complex rhythmic patterns with triplets and slurs. The LH part provides a bass line with notes and rests. The Elect. part includes a control line with annotations: *mf* and circled notes.

RH

LH

Elect.

3

3

3

accel.

RH

LH

Elect.

x 3 fois

20"

tam-tam

Déplacement vers Zone 4

ev43

continue electronics

Déplacement vers Zone 2

[Zone 2]

RH

LH

Elect.

ev44

Zone 2

♩ = 72

triangle
cymbale cloutée
guiro
wood-blocks
cencerro

f

Electroniques

Z2-1

2-G

3

4-G

5

6-G

7

8-G

9

10-G

11

Musical score for measures 12-13. The score is written on a grand staff with a treble and bass clef. Measure 12 features a complex rhythmic pattern in the treble clef with a 7-measure slur and a fermata. The bass clef has a circled note with a wavy line and arrows indicating a vibrato effect. Measure 13 continues the treble clef pattern with a 7-measure slur and a 6-measure slur, and the bass clef has a circled note with a wavy line and arrows. Labels '12-G' and '13' are positioned below the bass clef.

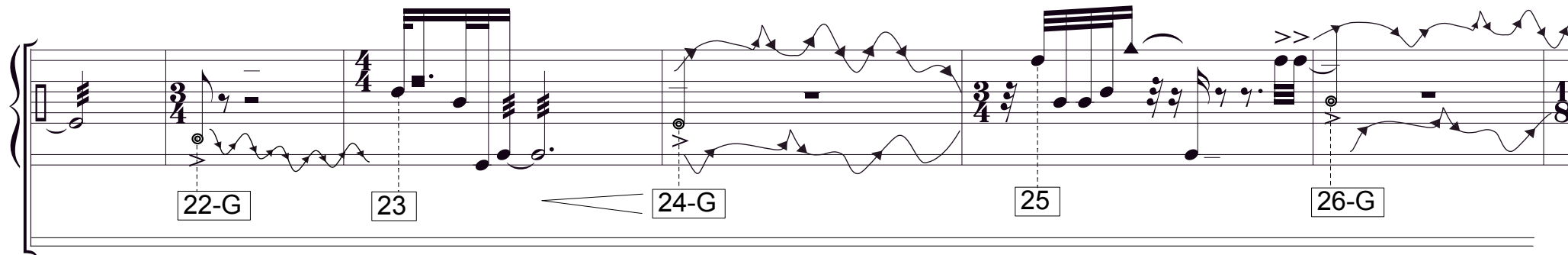
Musical score for measures 14-16. The score is written on a grand staff. Measure 14 has a circled note in the bass clef with a wavy line and arrows, and a 7-measure slur in the treble clef. Measure 15 continues the treble clef pattern with a 7-measure slur. Measure 16 features a 4/4 time signature change and a circled note in the bass clef with a wavy line and arrows. Labels '14-G', '15', and '16-G' are positioned below the bass clef.

Musical score for measures 17-18. The score is written on a grand staff. Measure 17 has a circled note in the bass clef with a wavy line and arrows, and a 7-measure slur in the treble clef. Measure 18 continues the treble clef pattern with a 7-measure slur and a circled note in the bass clef with a wavy line and arrows. Labels '17' and '18-G' are positioned below the bass clef.



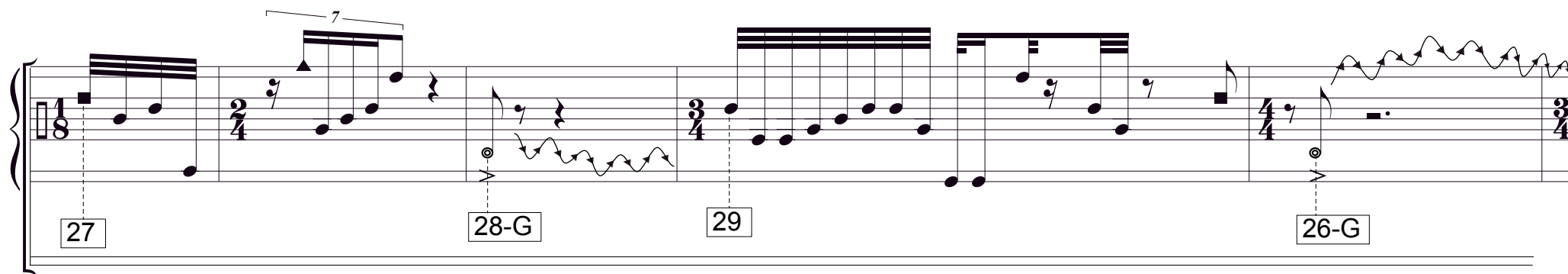
Musical score system 1, measures 19-21. Measure 19 features a complex rhythmic pattern with sixteenth notes and eighth notes. Measure 20 includes a tremolo effect on a note, indicated by a wavy line with arrows. Measure 21 contains a seven-measure rest, marked with a '7' and a bracket.

19 20-G 21



Musical score system 2, measures 22-26. Measure 22 has a tremolo effect. Measure 23 features a complex rhythmic pattern. Measure 24 includes a tremolo effect. Measure 25 has a complex rhythmic pattern. Measure 26 features a complex rhythmic pattern with accents (>) on the notes.

22-G 23 24-G 25 26-G



Musical score system 3, measures 27-29 and 26-G. Measure 27 has a complex rhythmic pattern. Measure 28 includes a tremolo effect. Measure 29 features a complex rhythmic pattern. Measure 26-G has a tremolo effect. A seven-measure rest is indicated by a '7' and a bracket above the staff.

27 28-G 29 26-G

Musical score for measures 31-33. The piece is in 3/4 time. Measure 31 features a sixteenth-note triplet (6) and a sixteenth-note triplet (7). Measure 32 is marked with a circled 'G' and a 4/4 time signature. Measure 33 features a sixteenth-note triplet (3) and a sixteenth-note triplet (3).

Musical score for measures 34-37. Measure 34 is marked with a circled 'G'. Measure 35 features a sixteenth-note triplet (7). Measure 36 is marked with a circled 'G'. Measure 37 features a sixteenth-note triplet (5) and a sixteenth-note triplet (5).

Musical score for measures 38-44. Measure 38 is marked with a circled 'G'. Measure 39 features a sixteenth-note triplet (5) and a sixteenth-note triplet (5). Measure 40 is marked with a circled 'G'. Measure 41 features a sixteenth-note triplet (5). Measure 42 is marked with a circled 'G'. Measure 43 features a sixteenth-note triplet (5) and a sixteenth-note triplet (6). Measure 44 is marked with a circled 'G'.

Musical score for guitar, measures 45-57. The score is written on a grand staff with a treble clef. It features a complex melodic line with various rhythmic values, including eighth and sixteenth notes, and rests. There are several slurs and accents (>) throughout. Fingerings are indicated by numbers 1-5. Some notes are marked with a circled 'G'. Below the staff, a series of boxes contains measure numbers: 45, 46-G, 47, 48-G, 49, 50-G, 51, 52-G, 53, 54-G, 55, 56-G, 57.

Handing diagram for guitar, measures 45-57. The diagram shows the movement of the right hand (RH) and left hand (LH) across the strings. The RH is represented by a line with arrows indicating the direction of movement. The LH is represented by a line with arrows indicating the direction of movement. Below the handing diagram, there are three horizontal bars representing the fretboard, with vertical lines indicating the fret positions for each measure.

déplacement vers Zone 4

This system shows the initial part of the score. The RH staff features a melodic line with various articulations and dynamics, including a *ff* (fortissimo) section. The LH staff includes a 'tam-tam' section. The 'Elect.' staff shows a dense, rhythmic accompaniment. A legend on the right identifies the sounds: 'grelot métal', 'caisse claire', 'grelot bois', and 'tam-tam'. A diagram above the staves shows a mallet labeled 'métal' striking a point on the RH staff.

This system continues the score in 4/4 time. The RH staff uses woodsticks ('baguettes bois') and features a *mf* (mezzo-forte) section. The LH staff includes a 'Z3-1' section and is divided into numbered sections 2 and 3. The 'Elect.' staff continues with a consistent rhythmic pattern.

This system concludes the score with sections 4, 5, and 6. The RH staff features complex rhythmic patterns and articulations. The LH staff includes a section marked '4' and is divided into sections 5 and 6. The 'Elect.' staff maintains the rhythmic accompaniment.

RH

LH

7

8

RH

LH

9

10

11

12

RH

LH

13

14

15

16

RH

LH

17

18

RH

LH

19

20

3

6

RH

LH

21

22

3

3

3

3

RH

LH

23

24

5

5

5

5

RH

LH

RH

LH

rouler très serré

f

25

RH

LH

Elect.

25-2

RH

LH

25-3

25-4

RH

LH

grelot métal

mouvement rotatif

ff

26

27

RH
LH

baguettes bois

rouler très serré

pp *ffff*

28

RH
LH

métal

subito

tam-tam

glissando

f

29

30

RH
LH

31

