

José LÓPEZ-MONTES

I u s C h a s m a

Microtonal Mapping Studies

for 12 saxophones and live video

full score



Ius Chasma

Microtonal Mapping Studies

José López-Montes

(transposing score)

1 2 3 4 5 6 7 8

quartet 1
A=440.000 Hz

quartet 2
A=431.609 Hz

quartet 3
A=448.554 Hz

Tempo: ♩ = 60

Rehearsal marks: c11.0a, c11.0b

Time signatures: 5/4, 6/4, 5/4, 6/4, 4/4, 3/4

Performance instructions: *sempre senza vibrato*, *mf*, *p*, *sfp*, *ppp*, *stacc.*, *gliss.*, *ffz*, *pp*, *f*, *mf*, *7*, *5*, *3*, *5*, *3*, *6*

c11.0b **5/4** **4/4** **c11.0a** **3/4** **4/4** **c11.0c** **6/4** **5/4** **4/4** **c11.0a** **c11.1b** **3/4** **c11.1a** **5/4** **c8.0a** **4/4** **c8.1a** **3/4**

sno. Q1 senza vibrato *sfmf* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 alt. Q1 senza vibrato *p* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 ten. Q1 senza vibrato *mf* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 bas. Q1 senza vibrato *ff* con vibrato *pp* *f espress.* *pp* subtone possibile pochissimo vibrato

c11.0b **5/4** **4/4** **c11.0a** **3/4** **4/4** **c11.0c** **6/4** **5/4** **4/4** **c11.0a** **c11.1b** **3/4** **c11.1a** **5/4** **c8.0a** **4/4** **c8.1a** **3/4**

sop. Q2 senza vibrato *sfz* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 alt. Q2 senza vibrato *sfpp* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 ten. Q2 senza vibrato *mp* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 bar. Q2 *sf* *sfp* *p* *ff* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato

c11.0b **5/4** **4/4** **c11.0a** **3/4** **4/4** **c11.0c** **6/4** **5/4** **4/4** **c11.0a** **c11.1b** **3/4** **c11.1a** **5/4** **c8.0a** **4/4** **c8.1a** **3/4**

sop. Q3 senza vibrato *sf* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 alt. Q3 senza vibrato *f* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 ten. Q3 senza vibrato *f* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato
 bar. Q3 *sf* con vibrato *sfz ff* con vibrato *f espress.* *pp* subtone possibile pochissimo vibrato

Musical score for vocal quartets (Q1, Q2, Q3) and baritone parts. The score is divided into three systems (Q1, Q2, Q3) and includes various time signatures and dynamic markings.

System 1 (Q1): Includes parts for soprano (sno.), alto (alt.), tenor (ten.), and baritone (bas.). Time signatures include 3/4, 2/4, 3/8, 4/4, 5/4, and 3/4. Dynamic markings range from *sfmf* to *pp*.

System 2 (Q2): Includes parts for soprano (sop.), alto (alt.), tenor (ten.), and baritone (bar.). Time signatures include 3/4, 2/4, 3/8, 4/4, 5/4, and 3/4. Dynamic markings range from *sfmp* to *pp*.

System 3 (Q3): Includes parts for soprano (sop.), alto (alt.), tenor (ten.), and baritone (bar.). Time signatures include 3/4, 2/4, 3/8, 4/4, 5/4, and 3/4. Dynamic markings range from *sfmp* to *mf*.

The score features numerous time signature changes and dynamic markings such as *sfmf*, *ppp*, *mp*, *pp*, and *mf*. It also includes performance instructions like "subtone" and "normal" with arrows indicating transitions.

♩ = 36

ius1-5

sno. Q1
slow intensity vibrato
p senza espressione

alt. Q1
slow intensity vibrato
p senza espressione

ten. Q1
slow intensity vibrato
p senza espressione

bas. Q1
p senza espressione

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

1 2 3 4

G.P.

♩ = 36

ius1-5

sop. Q2
slow intensity vibrato
p senza espressione

alt. Q2
p senza espressione

ten. Q2
slow intensity vibrato
p senza espressione

bar. Q2
slow intensity vibrato
p senza espressione

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

1 2 3 4

G.P.

♩ = 36

ius1-5

sop. Q3
slow intensity vibrato
p senza espressione

alt. Q3
p senza espressione

ten. Q3
slow intensity vibrato
p senza espressione

bar. Q3
p senza espressione

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

flatt. very small gliss. ad libitum (less than a major 2nd)

ff

1 2 3 4

G.P.

♩ = 128

System 1 (Measures 56-65):
Tempo: ♩ = 128
Measures 56-59: *f marcatis*, *pp*
Measures 60-65: *f marcatis*, *f*

System 2 (Measures 57-66):
Tempo: ♩ = 128
Measures 57-59: *f marcatis*, *pp*
Measures 60-66: *f marcatis*, *f*

System 3 (Measures 58-68):
Tempo: ♩ = 128
Measures 58-67: *f marcatis*, *pp*
Measures 60-68: *f marcatis*, *f*

Dynamic Markings:
- *f marcatis*: marcato forte
- *pp*: pianissimo
- *mf*: mezzo-forte
- *f*: forte
- *sfz*: sforzando
- *sfz sempre ff*: sforzando sempre fortissimo

4/4 1/16 4/4 3/8 3/4 m05.9b 3/8 3/4 m05.9c 2/4 3/4 15/2 m05.7a m05.7b 3/4

sno. Q1 legato p staccatiss. ff senza vibrato molto vibr. senza vibr. sub. mp dolce

alt. Q1 legato p staccatiss. ff senza vibrato molto vibr. senza vibr. sub. mp dolce

ten. Q1 legato p staccatiss. ff senza vibrato molto vibr. senza vibr. sub. mp dolce

bas. Q1 legato p staccatiss. ff ppp senza vibrato molto vibr. senza vibr. fff mp dolce

4/4 1/16 4/4 3/8 3/4 m05.9b 3/8 3/4 m05.9c 2/4 3/4 15/2 m05.7a m05.7b 3/4

sop. Q2 legato p staccatiss. ff p sf senza vibrato molto vibr. senza vibr. sub. mp dolce

alt. Q2 legato p staccatiss. ff p sf senza vibrato molto vibr. senza vibr. sub. mp dolce

ten. Q2 ff sf sf senza vibrato molto vibr. senza vibr. sub. mp dolce

bar. Q2 ff mf pp senza vibrato molto vibr. senza vibr. fff mp dolce

4/4 1/16 4/4 3/8 3/4 m05.9b 3/8 3/4 m05.9c 2/4 3/4 15/2 m05.7a m05.7b 3/4

sop. Q3 mf p 7:6 9:6 p sf senza vibrato molto vibr. senza vibr. sub. mp dolce

alt. Q3 mf p 8:6 ppp senza vibrato molto vibr. senza vibr. sub. mp dolce

ten. Q3 ff pp senza vibrato molto vibr. senza vibr. fff mp dolce

bar. Q3 ff pp senza vibrato molto vibr. senza vibr. fff mp dolce

musical score for vocal and instrumental parts, including staves for soprano (sno. Q1, sop. Q2, sop. Q3), alto (alt. Q1, alt. Q2, alt. Q3), tenor (ten. Q1, ten. Q2, ten. Q3), and bass (bas. Q1, bar. Q2, bar. Q3). The score is divided into measures 82-92, with time signatures and dynamics indicated.

Measures 82-84 are marked **m05.9c** and feature time signatures of 3/4, 5/8, and 3/4. Dynamics include *ppp*, *p*, *sf*, and *f*. The instruction "senza vibrato" is present.

Measures 85-89 are marked **m05.9a** and feature time signatures of 3/4, 4/4, 1/16, 4/4, and 2/4. Dynamics include *f*, *sf*, *pp*, and *mf*.

Measures 90-92 are marked **m05.9b** and feature time signatures of 5/4, 3/16, and 4/4. Dynamics include *f marcatis.* and *tutta forza*.

musical score for voices and instruments, measures 93-103. The score is divided into three systems (Q1, Q2, Q3) for soprano, alto, tenor, and baritone parts. It includes dynamic markings (subito mf, sf, ff, pp, p, mf, sf f, ppp), articulation (legato, staccatiss.), and time signature changes (4/4, 3/4, 3/8, 2/4).

Measure 97 contains a section labeled **m05.9b-bis**. Measure 100 contains a section labeled **m05.9c-bis**. Measure 102 contains a section labeled **m05.9c-bis**.

Key markings include *subito mf*, *sf*, *ff*, *pp*, *legato*, *staccatiss.*, *p*, *mf*, *sf f*, and *ppp*. Time signatures include 4/4, 3/4, 3/8, and 2/4. Numerical markings like 12:8, 9, and 7:6 are present.

musical score for vocal quartet (sno. Q1, alt. Q1, ten. Q1, bas. Q1, sop. Q2, alt. Q2, ten. Q2, bar. Q2, sop. Q3, alt. Q3, ten. Q3, bar. Q3) with dynamic markings and tempo changes.

Measures 104-105: **m05.7a** (3/4), **m05.7b** (2/5), *senza vibrato* → *molto vibr.*, *sub. mp dolce*

Measures 106-107: **m03.5a** (6/2), **m03.5b** (6/2), *senza vibrato* → *molto vibr.*, *pp* → *mf*

Measures 108-109: **m05.9c** (3/4), **m05.9c** (5/8), *senza vibrato*, *f*

Measures 110-112: **m05.9c** (3/4), **m05.9c** (1/16), **m05.9c** (3/4), *senza vibrato*, *f*

Measures 113-114: **m03.5b** (5/16), **m03.5b** (5/16), *tutta forza*, *ff*

Measures 115-118: **m05.7a** (3/4), **m05.7a** (5/4), **m05.7a** (3/4), *ff*, *mf*, *p*, *f*, *ff*

musical score for strings and woodwinds, measures 133-143. The score is divided into three systems (Q1, Q2, Q3) for each instrument type. It includes various time signatures (2+3, 4/4, 5/4, 3/4) and dynamic markings (mf, ff, ppp, p, f, sf).

System 1 (Q1): Includes parts for snare (sno.), alto (alt.), tenor (ten.), and bass (bas.).

- sno. Q1:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *mf* to *ff*.
- alt. Q1:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *ppp* to *ff*.
- ten. Q1:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *ppp* to *ff*.
- bas. Q1:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *fff* to *ppp*. Includes markings: "normal vibr.", "p non legato".

System 2 (Q2): Includes parts for soprano (sop.), alto (alt.), tenor (ten.), and baritone (bar.).

- sop. Q2:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *p* to *ff*.
- alt. Q2:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *p* to *ff*.
- ten. Q2:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *p* to *ff*.
- bar. Q2:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *p* to *ff*. Includes marking: "normal vibr.".

System 3 (Q3): Includes parts for soprano (sop.), alto (alt.), tenor (ten.), and baritone (bar.).

- sop. Q3:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *p* to *ff*. Includes marking: "normal vibr.".
- alt. Q3:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *p* to *ff*. Includes marking: "normal vibr.".
- ten. Q3:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *p* to *ff*. Includes marking: "normal vibr.".
- bar. Q3:** Starts with a 2+3 time signature, then 4/4, then 5/4 (marked m04.6a), 4/4, 5/4, 3/4, and 4/4. Dynamics range from *p* to *sf ff*. Includes marking: "normal vibr.".

musical score for strings and woodwinds, measures 144-152. The score is divided into three systems, each with four staves (sno. Q1, alt. Q1, ten. Q1, bas. Q1; sop. Q2, alt. Q2, ten. Q2, bar. Q2; sop. Q3, alt. Q3, ten. Q3, bar. Q3). The first system (measures 144-147) features a 4/4 time signature with a 'm04.6b' marking. The second system (measures 148-151) features a 5/4 time signature with a 'm5.5' marking, followed by a 4/4 time signature. The third system (measures 152) features a 4/4 time signature. The woodwind parts (sop. Q2, alt. Q2, ten. Q2, bar. Q2) play a rhythmic pattern of eighth notes with triplets and quintuplets. The string parts (sno. Q1, alt. Q1, ten. Q1, bas. Q1) play a similar rhythmic pattern. The vocal parts (sop. Q3, alt. Q3, ten. Q3, bar. Q3) play a melodic line with vibrato markings. Dynamics include *f*, *pp*, *mf*, *p dolce*, *p staccato*, and *sf ff*. The score includes various musical notations such as slurs, accents, and dynamic markings.

m05.4a **m05.4b** **3/4** **without pulse ca. 8"** **m05.2** **4/4** **2/4** **3/8** **3/4** **5/8** **3/4** **1.2.** **2/4**

sno. Q1 *pp* *ff* *molto vibrato*

alt. Q1 *p* *ff* *molto vibrato*

ten. Q1 *mf* *ff* *molto vibrato*

bas. Q1 *f* *sempre f* *ff* *molto vibrato*

sop. Q2 *p dolce* *pp* *ff* *molto vibrato*

alt. Q2 *p dolce* *p* *ff* *molto vibrato*

ten. Q2 *p dolce* *mf* *ff* *molto vibrato*

bar. Q2 *p staccato* *sempre f* *ff* *molto vibrato*

sop. Q3 *pp* *pp* *ff* *molto vibrato*

alt. Q3 *p* *p* *ff* *molto vibrato*

ten. Q3 *mf* *mf* *ff* *molto vibrato*

bar. Q3 *f* *sempre f* *ff* *molto vibrato*

play these notes randomly and prestissimo

G.P.

without pulse ca. 8"

molto vibrato

1.2.

musical score for voices and instruments, including parts for soprano (sno. Q1, sop. Q2, sop. Q3), alto (alt. Q1, alt. Q2, alt. Q3), tenor (ten. Q1, ten. Q2, ten. Q3), and baritone (bas. Q1, bar. Q2, bar. Q3). The score features complex rhythmic patterns, dynamic markings (p subito, sf, ff), and tempo/feel markings (molto vibrato). The key signature is B-flat major. The score is divided into measures 166 through 177, with time signatures changing from 2/4 to 3/4 to 4/4 and back to 2/4. A C1 clef is used for measures 170-177. The vocal lines include triplets and quintuplets, and the instrumental lines feature sustained notes and rhythmic accompaniment.

without pulse
ca. 11"

130 < ♩ < 160 (each player must play the loop in a different tempo chosen randomly)
ca. 14"

without pulse
ca. 7"

3
4

sno. Q1 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

alt. Q1 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

ten. Q1 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

bas. Q1 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

f feroce sff sff sff sff sff sff

G.P. 3/8 1/4

random multiphonic chosen by player
duration of dim. ad lib.
sf sf

without pulse
ca. 11"

130 < ♩ < 160 (each player must play the loop in a different tempo chosen randomly)
ca. 14"

without pulse
ca. 7"

3
4

sop. Q2 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

alt. Q2 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

ten. Q2 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

bar. Q2 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

f feroce sff sff sff sff sff sff

G.P. 3/8 1/4

random multiphonic chosen by player
duration of dim. ad lib.
sf sf

without pulse
ca. 11"

130 < ♩ < 160 (each player must play the loop in a different tempo chosen randomly)
ca. 14"

without pulse
ca. 7"

3
4

sop. Q3 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

alt. Q3 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

ten. Q3 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

bar. Q3 modulate vibrato very gradually ad libitum
change dynamics very gradually ad libitum

f feroce sff sff sff sff sff sff

G.P. 3/8 1/4

random multiphonic chosen by player
duration of dim. ad lib.
sf sf

Musical score for vocal quartet (sno. Q1, alt. Q1, ten. Q1, bas. Q1, sop. Q2, alt. Q2, ten. Q2, bar. Q2, sop. Q3, alt. Q3, ten. Q3, bar. Q3) and piano accompaniment. The score is divided into three systems, each starting with a tempo marking of $\text{♩} = 70$. The key signature is one sharp (F#). The score includes various time signatures (3/4, 4/4, 2/4, 5/4) and dynamic markings (*p*, *sfp*, *sf*). Performance instructions include "sempre *p* play dynamics so static and unchanged as possible" and "play dynamics so static and unchanged as possible". The score is annotated with rehearsal marks (co3.1 to co3.5) and performance directions such as "senza vib.", "molto vibrato", "subito senza vib.", "subito molto vib.", and "gliss.".

This musical score is for a vocal quartet (soprano, alto, tenor, bass) and piano accompaniment. It covers measures 202 to 212. The score is divided into two systems, each containing staves for the four vocal parts and a grand piano (G.P.) part.

Measure 202: All vocal parts begin with a *subito mf* dynamic. The piano accompaniment starts with a *mf* dynamic. The time signature is 5/4.

Measure 203: Dynamics increase to *sfmf* for the vocalists. The piano accompaniment also moves to *sfmf*. The time signature remains 5/4.

Measure 204: The vocalists are marked *senza vib.* (without vibrato). The piano accompaniment is marked *sfmf*. The time signature changes to 3/4.

Measure 205: The vocalists are marked *senza vib.*. The piano accompaniment is marked *sfmf*. The time signature changes to 4/4.

Measure 206: The vocalists are marked *senza vib.*. The piano accompaniment is marked *sfmf*. The time signature changes to 4/4.

Measure 207: The vocalists are marked *molto vib.* (much vibrato). The piano accompaniment is marked *sfmf*. The time signature changes to 3/4.

Measure 208: The vocalists are marked *molto vib.*. The piano accompaniment is marked *sfmf*. The time signature changes to 5/4.

Measure 209: The vocalists are marked *molto vib.*. The piano accompaniment is marked *sfmf*. The time signature changes to 5/4.

Measure 210: The vocalists are marked *molto vib.*. The piano accompaniment is marked *sfmf*. The time signature changes to 1/2.

Measure 211: The vocalists are marked *slow intensity vibrato*. The piano accompaniment is marked *sfmf*. The time signature changes to 1/2.

Measure 212: The vocalists are marked *slow intensity vibrato*. The piano accompaniment is marked *sfmf*. The time signature changes to 1/2.

The score includes various performance instructions such as *subito mf*, *sfmf*, *molto vibrato*, *senza vib.*, *molto vib.*, *gliss.*, *ff*, *fff*, *p*, and *senza espressione*. It also features rehearsal marks *co3.3*, *co3.4*, *co3.5*, and *ius1-5*.

musical score for vocal quartet (sno. Q1, alt. Q1, ten. Q1, bas. Q1, sop. Q2, alt. Q2, ten. Q2, bar. Q2, sop. Q3, alt. Q3, ten. Q3, bar. Q3) with dynamic markings (mf, sffz, pp, f, ff, p, mp) and performance instructions (tempo primo, molto vibrato, sempre senza vibr., p senza espressione, slow intensity vibrato).

Tempo: **tempo primo** ♩ = 60

Rehearsal marks: **co3.5**, **c11.0a**

Time signatures: 2/2, 3/2, 2/4, 3/4

Measure numbers: 213, 214, 215, 216, 217, 218, 219, 220, 221, 222

musical score for vocal and instrumental parts, including staves for soprano (sno. Q1, sop. Q2, sop. Q3), alto (alt. Q1, alt. Q2, alt. Q3), tenor (ten. Q1, ten. Q2, ten. Q3), and bass (bas. Q1, bar. Q2, bar. Q3). The score includes dynamic markings (f, sf, pp, mf), articulation (gliss.), and performance instructions (senza vib., molto vibrato, subito senza vib., subito molto vib.). It also features rehearsal marks (co3.1, co3.2, co3.3, co3.4, ius3) and time signature changes (3/4, 4/4, 3/8, 5/4).

The musical score is arranged in three systems, each containing vocal parts for two groups (Q1, Q2, Q3) and piano accompaniment. The vocal parts are for soprano, alto, tenor, and bass. The piano accompaniment is for both groups. The score includes various time signatures: 4/4, 5/4, 3/4, and 2/2. Performance instructions include dynamics (mp, sf, ff, mf, pp), vibrato markings (molto vibrato, senza vib.), and articulation (gliss., 3). Rehearsal marks 'ius4', 'co3.4', and 'co3.5' are present throughout the score. The piano part features a complex rhythmic pattern with many sixteenth and thirty-second notes.

without pulse

ca. 15"

modulate vibrato very gradually ad libitum

ca. 3"

stop the precedent sound so abruptly as possible and play random key clicks very fast

musical score for voices and piano, measures 243-249. The score is divided into three systems, each with four vocal parts (soprano, alto, tenor, bass) and a piano accompaniment. The first system (measures 243-247) features a piano accompaniment with a 'gliss.' marking. The second system (measures 248-249) features a piano accompaniment with 'sf f' markings. The score includes various dynamic markings (pp, mp, mf, f, fff) and performance instructions such as 'senza vibrato', 'modulate vibrato very gradually ad libitum', and 'change dynamics very gradually ad libitum'. A 'ius5' marking is present in measures 246 and 247. The piano part includes a 'ca. 3"' marking and instructions to 'stop the precedent sound so abruptly as possible and play random key clicks very fast'.