

Notación de la Música Contemporánea para Guitarra

Javier Bravo 2014 www.javierbravo.com.ar

Historia

- Notación alfabética
- Notación neumática

Escritura Cuneiforme Irak 2000 A.C.



MS 5105

Old Babylonian cuneiform musical notation. Babylonia, 2000-1700 BC



And in modern transcription

Epitafio de Seikilos - Grecia



Notación Mesina (Metz, Francia S.IX)

Ronate caeli desu per sinu tuu ius tum aperiatu terra & ger
minet saluatiōem **PSL** Caelum narrat
tas prin cipes iestas & eleua mini por te accerna les
& interdi bit rex gloriae **RT** Tollite por
tā in nocentem do mi ni Qui quis stabit in loco sancto e
ius
innocens ma nibus & mundo corde **ITRP** roper
dominus omnibus inuocabat e um omnibus qui in
uocant e um in uerna te **V** Laudem domini

臞仙神奇秘譜

下卷





霞外神品

黃鍾調

即經射

4

五里一丈一山
芭蕉林遮樹

神品無射意

甚奇

省同

芑芑五七芑七芑芑六

大牙

上九

鸛并上

鷺鷥 下中 鷺鷥 南巴 鷺鷥 今 鷺鷥 上

塞勻

轉手 毘蒔薄上八九 莖合 鴛飛鳥 莖鴛

限方下十
二申巳

包等二四六五等正總

1

黃雲秋塞

臞仙曰。是曲者。蓋古曲也。言塞上胡沙漠漠。迢遞萬里。黃雲蔽天。酸風射人。滿目凄然。閨山南北。其悲愴之意。寂寥蕭索。親景傷懷。是以含情寄意。付諸徵軫者。可以起營州之秋思。而感玉關之懷故鄉也。

一盤

[illegible]

可平

勻四鴛莖鴛司巾旁已上七莖合莖

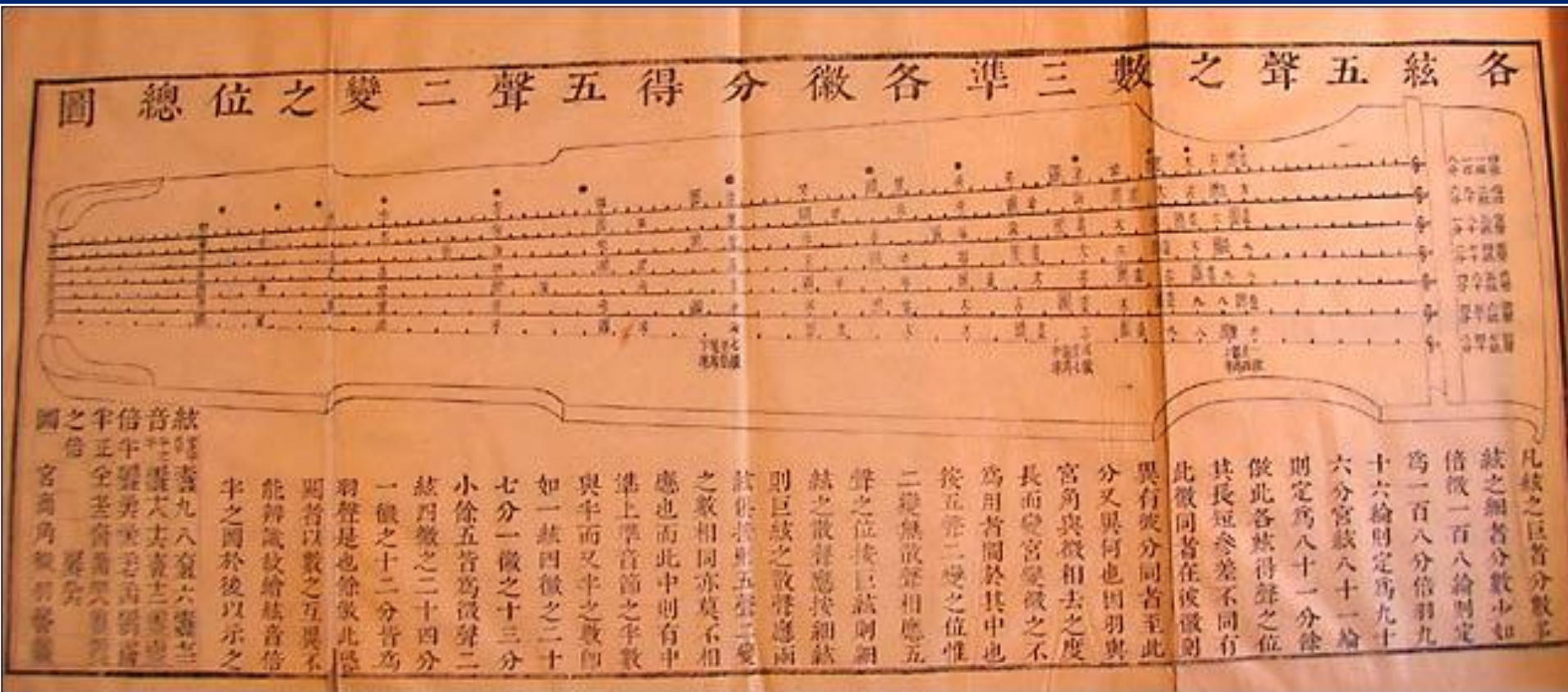
勢

莖令女尸 司令男尸 苟令男尸 墊令男尸

杏哥

楚 ニダ上
五六 **𪔐** 旁下復上五六
中已含下尸 **苛** **楚** **滿** 弓上 **𪔑**

Tablatura Guqin China c.1425



Notación Cuadrada, Francia c.1400



MS 1275/28

Square notation, , The Hymn to St. John;
line beginnings are the origins of Ut-Re-Mi-Fa-Sol-La.



Fuga J. S. Bach BWV1005



Franz Liszt Estudios Trascendentales

32

un poco riten. (a piacere)

The first system of the musical score is written for piano. It consists of two staves, treble and bass. The key signature has two flats (B-flat and E-flat). The tempo/mood marking is *un poco riten. (a piacere)*. The first measure is marked *p dol.*. The music features complex, rapid sixteenth-note passages in the right hand and sustained chords in the left hand. The system is divided into four measures. The third measure is marked *poco rinf.* and the fourth measure is marked *rall. e smorz.*. Below the staves, there are four vertical bar lines with the word 'Rea' written below them, separated by asterisks.

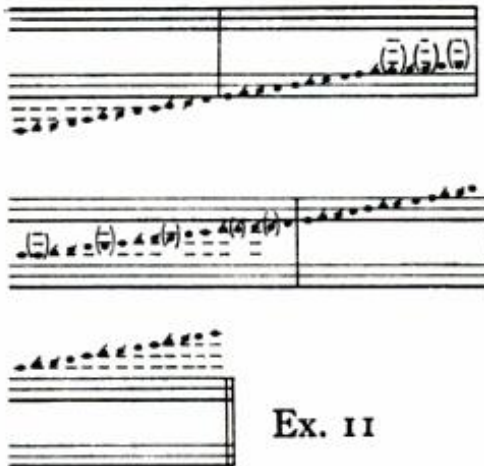
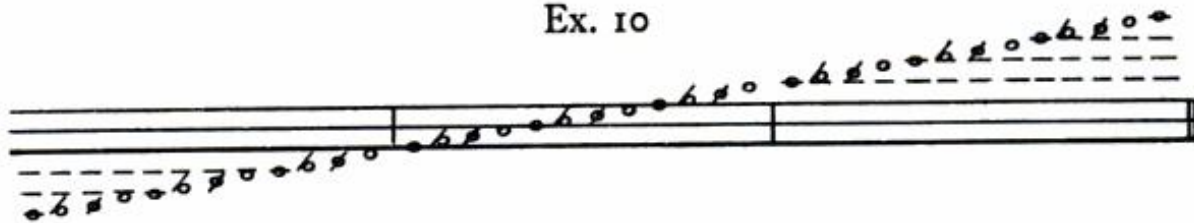
in tempo

The second system of the musical score continues the piece. It consists of two staves, treble and bass. The key signature has two flats. The tempo/mood marking is *in tempo*. The first measure is marked *p*. The music continues with rapid sixteenth-note passages in the right hand and sustained chords in the left hand. The system is divided into four measures. The third measure is marked *più cresc.*. Below the staves, there are four vertical bar lines with the word 'Rea' written below them, separated by asterisks.

Sistema propuesto por Schoenberg

A NEW TWELVE-TONE NOTATION

Ex. 10



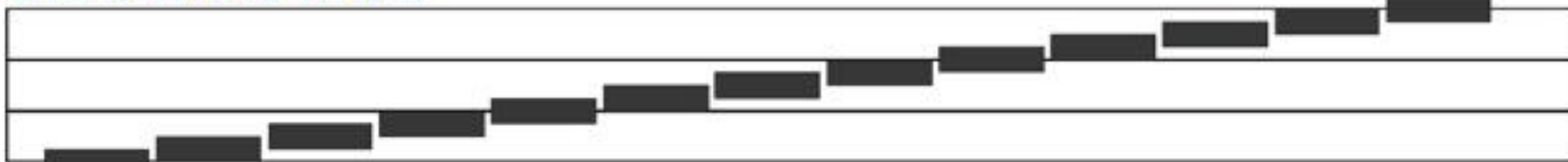
Ex. 11



Ex. 12

Sistema Dodeka

CHROMATIC BASE



C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C
(Do)	(Ka)	(Re)	(Xo)	(Mi)	(Fa)	(Hu)	(So)	(Bi)	(La)	(Ve)	(Si)	(Do)

Siglo Veinte

- Cambios Sociales
- Economía
- Comunicación
- Información

SIGLO VEINTE

- NUEVOS CONCEPTOS EN EL ARTE
- Paradigma de Belleza
- Finalidad del Arte
- Límites del Arte - Extremos

Lucio Fontana – Concetto Spaziale, Attese



John Cage – 4' 33'

I
TACET

II
TACET

III
TACET

NOTE: The title of this work is the total length in minutes and seconds of its performance. At Woodstock, N.Y., August 29, 1952, the title was 4' 33" and the three parts were 33", 2' 40", and 1' 20". It was performed by David Tudor, pianist, who indicated the beginnings of parts by closing, the endings by opening, the keyboard lid. However, the work may be performed by an instrumentalist or combination of instrumentalists and last any length of time.

FOR IRWIN KREMEN

JOHN CAGE

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New York, N.Y. 10016, U.S.A.

Tendencias de la Notación

■ Determinismo



■ Complejidad,
Serialismo, 1950 –
Boulez

■ Indeterminación



■ Improvisación,
aleatoriedad, 1960-
Cage

Disposición Gráfica de la Partitura

- Número de Pentagramas
- Notación de acciones
- Dirección de lectura
- Partituras Gráficas

Hebert Vazquez – Elegía (1993)

♩ = 76

1a c.

2a c.

3a c.

4a c.

5a c.

6a c.

tast. poco a poco → puente poco a poco p.n. poco a poco → puente p.n.

pp *f* *pp* *mf* *f* *p* *mf* *p*

mf *f* *p* *mf* *p*

súbito



Fernando Maglia - Estudios

VI

Handwritten musical score for "Estudios VI" by Fernando Maglia. The score is divided into three measures, each with a duration in seconds:

- Measure 1 (8-10"):** Features a piano part starting with a *pp* dynamic and *arm VII* instruction. It includes a *vigoroso* section with *mp* dynamics and a *met* (metronome) section with *mf* dynamics. The percussion part includes *met* (metronome), *tamb* (tambourine), and *irregolare* (irregular) markings.
- Measure 2 (10-12"):** Features a piano part starting with a *pp* dynamic and *arm VII* instruction. It includes a *met* (metronome) section with *mf* dynamics and *irregol.* (irregular) markings. The percussion part includes *met* (metronome), *tamb* (tambourine), and *accell.* (accelerando) markings.
- Measure 3 (11-13"):** Features a piano part starting with a *pp* dynamic and *arm VII* instruction. It includes a *met* (metronome) section with *mf* dynamics and *irregol.* (irregular) markings. The percussion part includes *met* (metronome), *tamb* (tambourine), and *accell.* (accelerando) markings.

The score includes various musical notations such as notes, rests, and dynamic markings (*pp*, *mf*, *mp*, *accell.*). It also includes performance instructions like *vigoroso*, *irregolare*, and *accell.*.

Cornelius Schwehr (1988) – Sub version Action Notation/Notación de Acciones

Frotar rápidamente con índice

Apagar cuerdas I a V

♩ = 43

(a) 5 (1)

schnelle Wischbewegungen (tremolo) mit dem Zeigefinger auf den Saiten (Saiten nicht runterdrücken!)

LH

ppp

cresc. poss.

sfz

gliss. p. a p. ritenuto

(erstickte Saiten I-V)

Acción silenciosa

III G.S.

poco cresc.

p

S S

perc. auf den Steg (mit dem Knöchel)

RH nimmt G.S.

pp

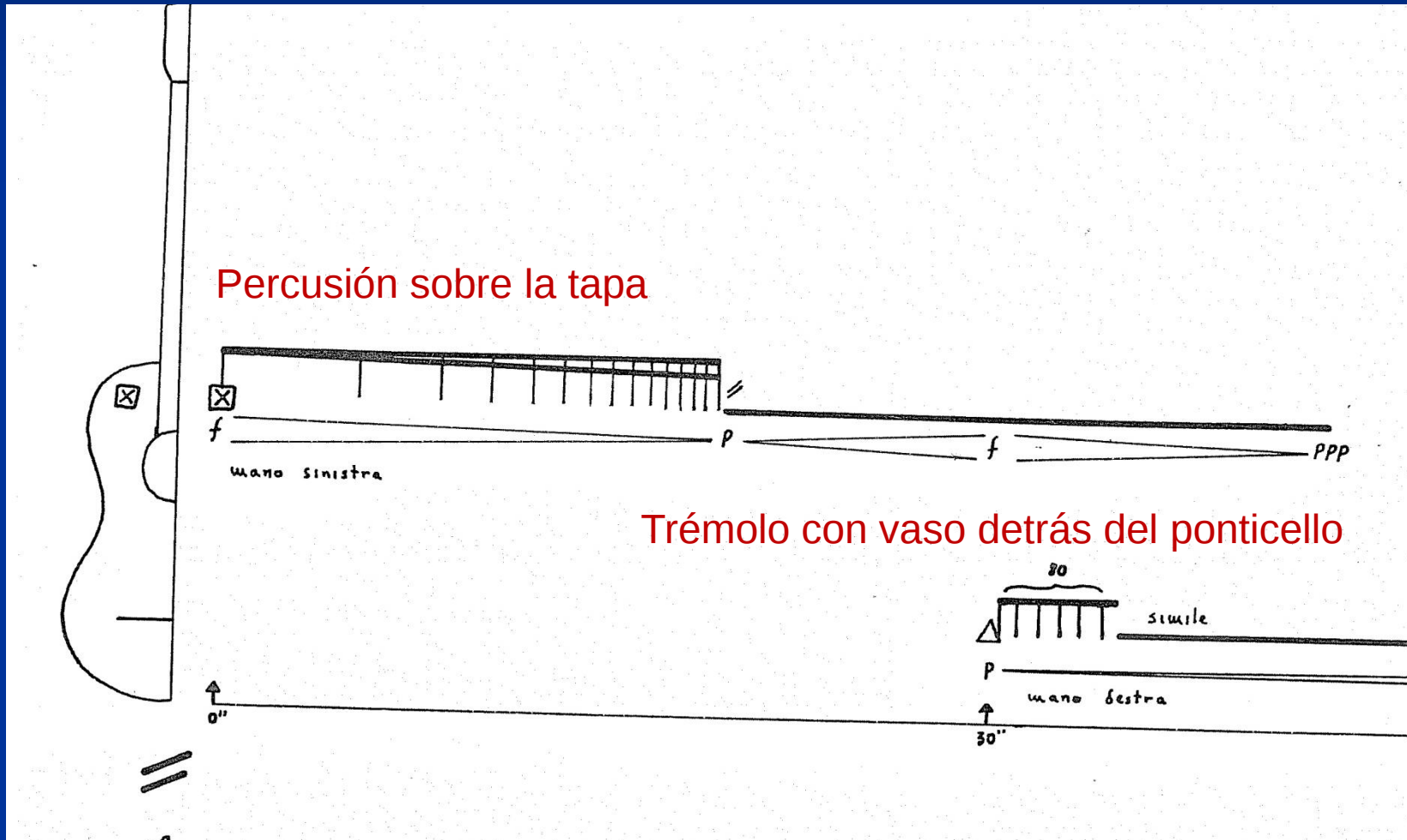
Tupfer mit dem Glas-Stab auf die Saite

Con slide sobre la cuerda

Percusión en el puente con los nudillos

Carlos Cruz de Castro- (1973)

Algo para guitarra



Formas Móviles



Roman Haubenstock – Ramati, Hexachord

The image displays a musical score for Roman Haubenstock-Ramati's "Hexachord 1 und 2" for guitar solo and two guitars. The score is organized into a grid with 8 columns and 8 rows. The columns are numbered 1 through 8 at the top, and the rows are lettered A through H on the left. Each cell in the grid contains musical notation, including staves with notes, rests, and dynamic markings. The notation is written for guitar, with some cells featuring specific guitar techniques like "pizz." (pizzicato) and "arco." (arco). The score is published by Universal Edition, A. G., Wien, and is copyrighted in 1978. A blue arrow points to the first column, and another blue arrow points to the first row.

HEXACHORD
1 und 2
für Gitarre solo
und 2 Gitarren

roman
haubenstock-
ramati
(1973)

© Copyright 1978 by Universal Edition, A. G., Wien

pp

roman
haubenstock-
ramati

(1973)

pizz.

p
f

sf

sff

mf

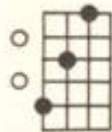
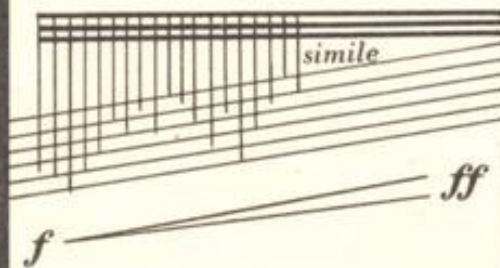
f



X

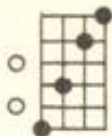


III



V

X



VIII

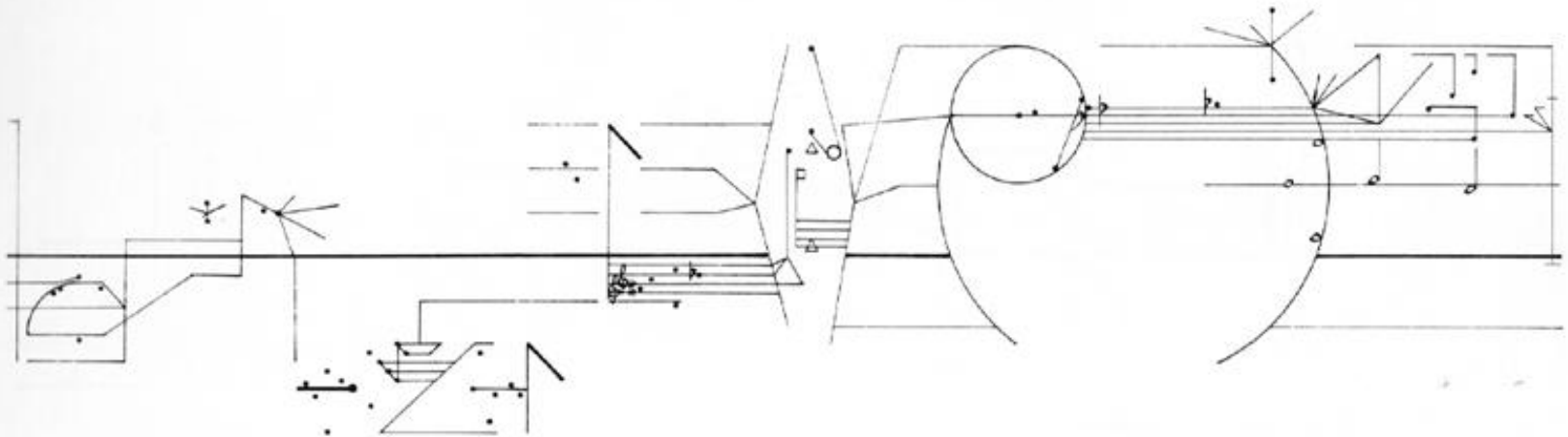


XI

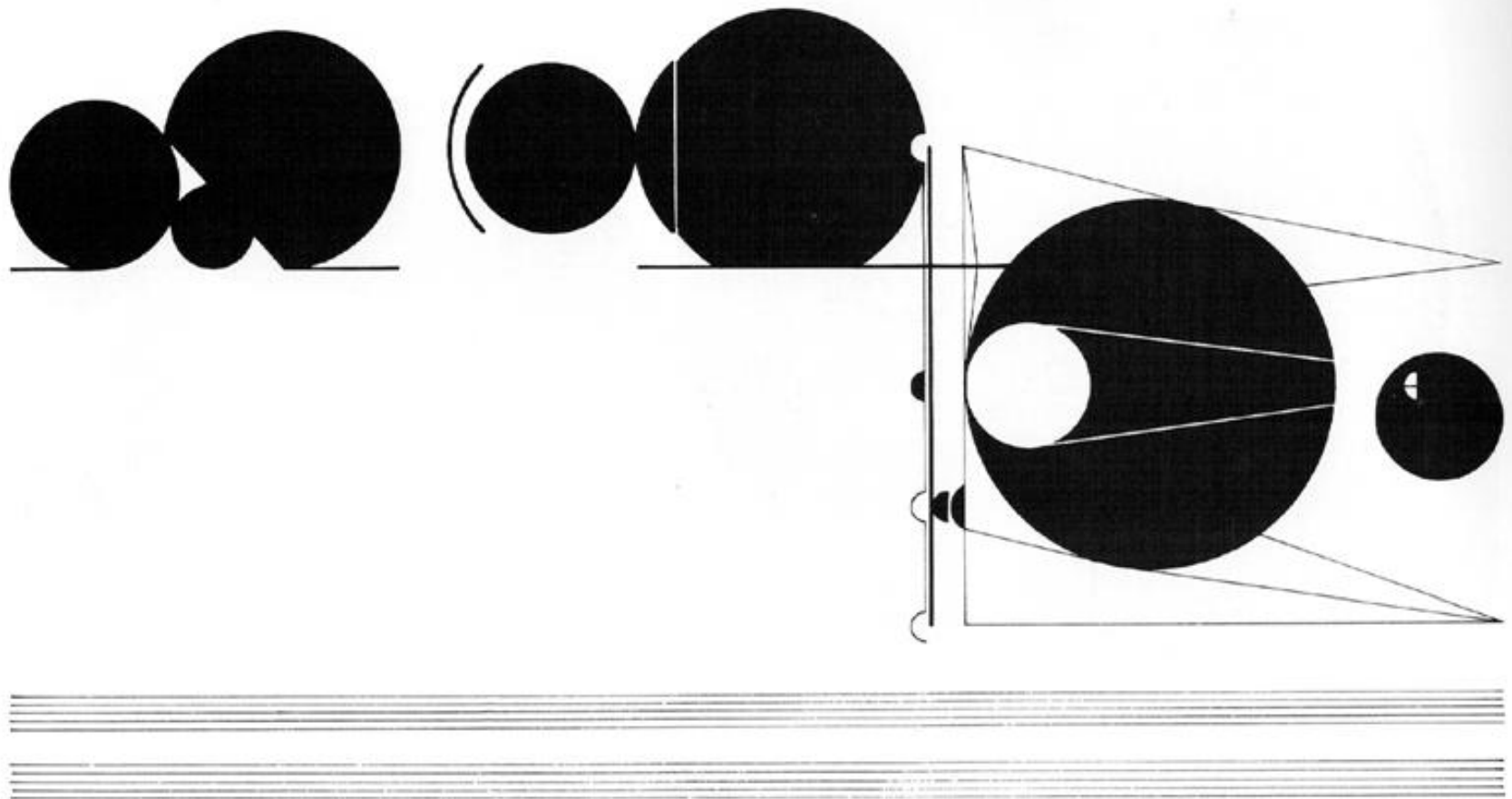


Cornelius Cardew – (1967)

Treatise



Cornelius Cardew Treatise



Frecuencia – Altura

Nuevos conceptos estructurales

- Vibrato
- Glissando
- Espacio continuo-Microtonalismo
- Scordatura
- Indeterminación

Tsilicas – Indicaciones- Vibrato

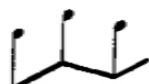
INDICACIONES



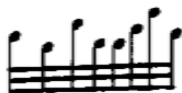
DEJAR VIBRAR, HASTA SU EXTINCION



DURACION MEDIA REGULAR



DURACION MEDIA IRREGULAR



VELOCIDAD MAXIMA



VIBRATO LENTO



VIBRATO RAPIDO



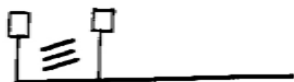
TAMBORA CON PULGAR Y ANULAR



ACELERAR PAULATINAMENTE

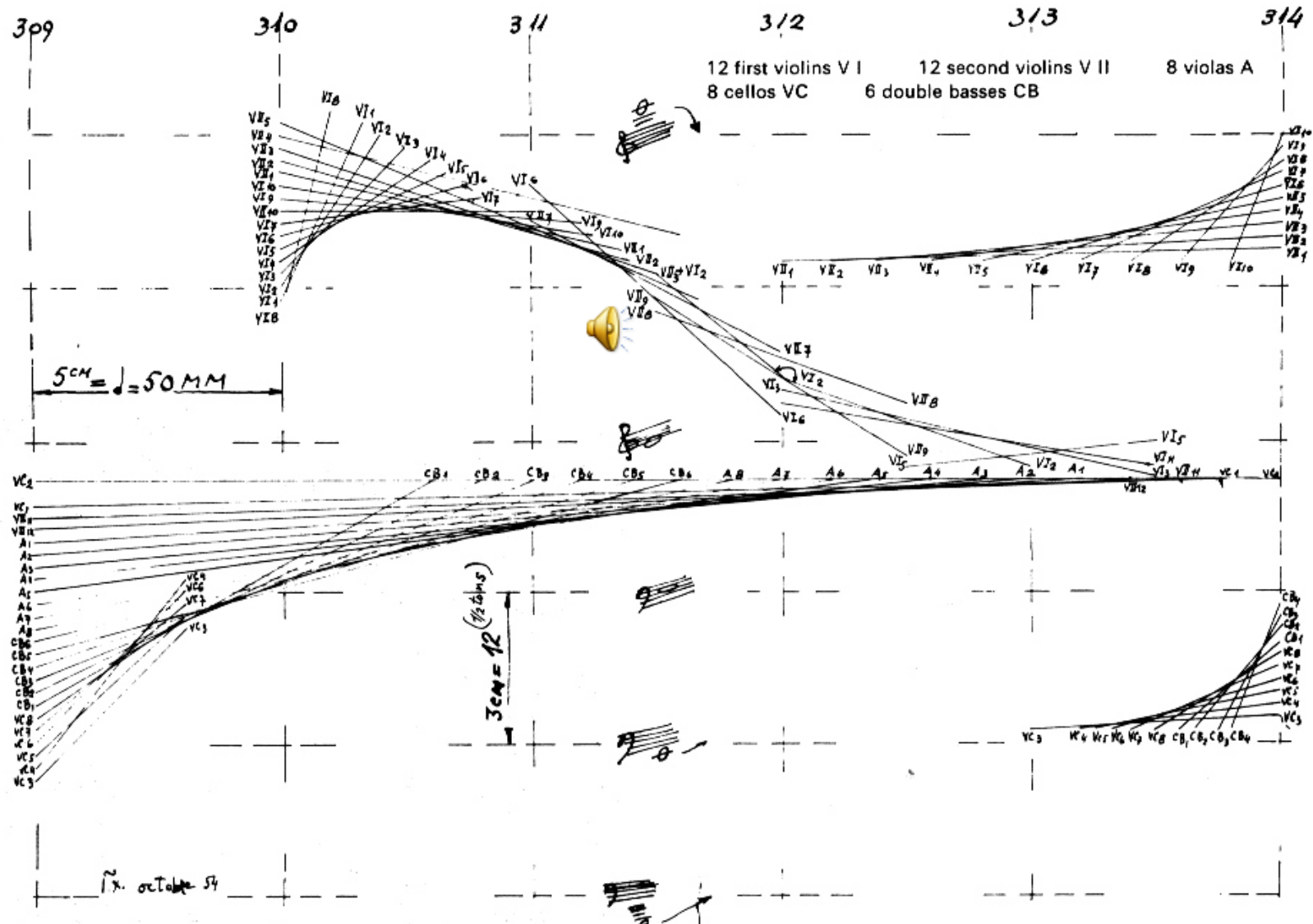


ACELERAR PAULATINAMENTE



TREMOLO DURACION MINIMA 5''

Xenakis – Metastasis - Glissando



Ranieri – Rapsodia - Glissando

8. Improvisación de batimentos con glissandos ascendentes y descendentes sobre distintas cuerdas, a piacere. (En mano izquierda usar una barra metálica de aproximadamente 10 centímetros). Duración: de 15 a 20" - Llegar a un estado trágico.

Allegro furioso e violento $\text{♩} = 120/126$

(15 a 20")

arm. VII

Mecer la guitarra sobre el eje longitudinal

Alois Haba – (1947) Suite 2 para guitarra

Microtonalismo

Moderato



The musical score is written for guitar and consists of three staves. The tempo is marked 'Moderato'. The first staff begins with a 'mf' (mezzo-forte) dynamic marking. It features a series of microtonal intervals, including a half-sharp (F#) and a half-flat (Bb). A 'f' (forte) dynamic marking is placed over a measure. The second staff continues the melody with various microtonal intervals. A small yellow bell icon is placed between the first and second staves. The third staff also features a 'f' dynamic marking and a 'mf' dynamic marking. The music is characterized by complex microtonal intervals and a 'Moderato' tempo.

CD: Alois Haba Centenary Ivan Bores – Tolgahan Coguru

Julián Carrillo (1922) – Preludio a Colón

Microtonalismo

Op. I. Preludio a Cristobal Colon

Poco Lento ♩ = 69

Flauta 4^{ta} de tono 6/8

Violin 4^{to} de tono 6/8

Octavina 8^{va} de tono 6/8

Flauta 32

Violin 32

piz vibrato.

ad libitum

mf

f

ff

Hans Werner Henze – Memorias del Cimarrón (colab. Leo Brouwer)

Para los glissandos (Glissandi) en $\frac{1}{4}$ de tono

1.  = $\frac{1}{4}$ tono-gliss. por presión "desplazada" del dedo de la m. izq.

(pag. 11, 4^o sistema)

2.  = $\frac{1}{4}$ de tono descendente producido de 2 maneras:

(pag. 11, 5^o sistema)

a) apoyando el dedo en al sib desplazándolo $\frac{1}{2}$ tono alto (sin tocar) hasta aleanzar el si $\sharp$ liberando la presión (al tocar la nota) posteriormente.

b) apoyando el 3er dedo en la nota (si $\sharp$) y apoyando los dedos 1 y 2 (en las notas la - la $\sharp$) como soporte, lo grandando el 4to de tono como si fuera un vibrato lentísimo.

Ferneyhough – Kurze Schatten II

Microtonalismo por scordatura



Ex.1- Scordatura inicial de *Kurze Schatten II*.

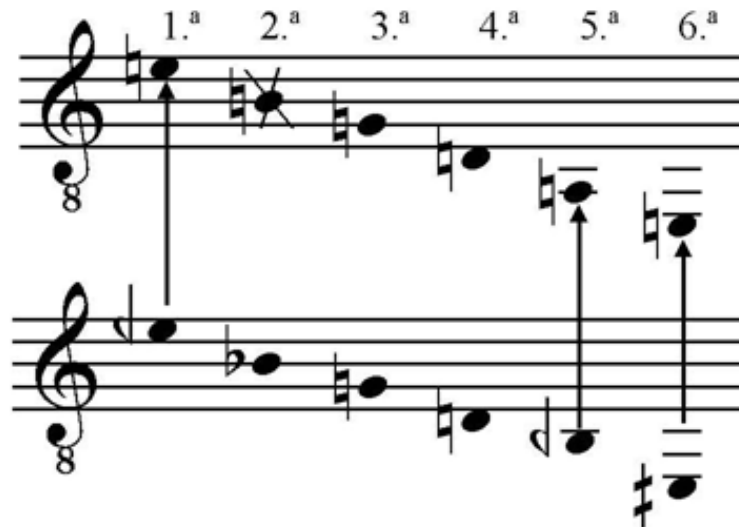


Tabla Bitonos- John Schneider



Fig. 81. The chart of bi-tones.

Indeterminación

Brouwer-Gandini -Henze-Ginastera

Perc- +Chasq.

a m i a m i

1 3 2 1 3 2 1 3 2 1 (sim.)

p

r de la m. izq. dedos: 1. 2. 3., mano derecha i.m.a.
use left hand fingers: 1. 2. and 3. Right hand: i.m.a.
dem 1., 2. und 3. Finger der linken Hand. Rechte Hand: i.m.a.

④ ③ ④ ③ ① ② ④

Y+Θ: ~~~~~

homenaje a Leo Brouwer

p

ponticello

simile

6 sec

PP

• Very fast but discontinuous improvisation *sul ponticello* on the first, second

8 10

p m p m

② ① i ② ① i *sim.*

4 1 <sub.> 4 1 1 <sub.>

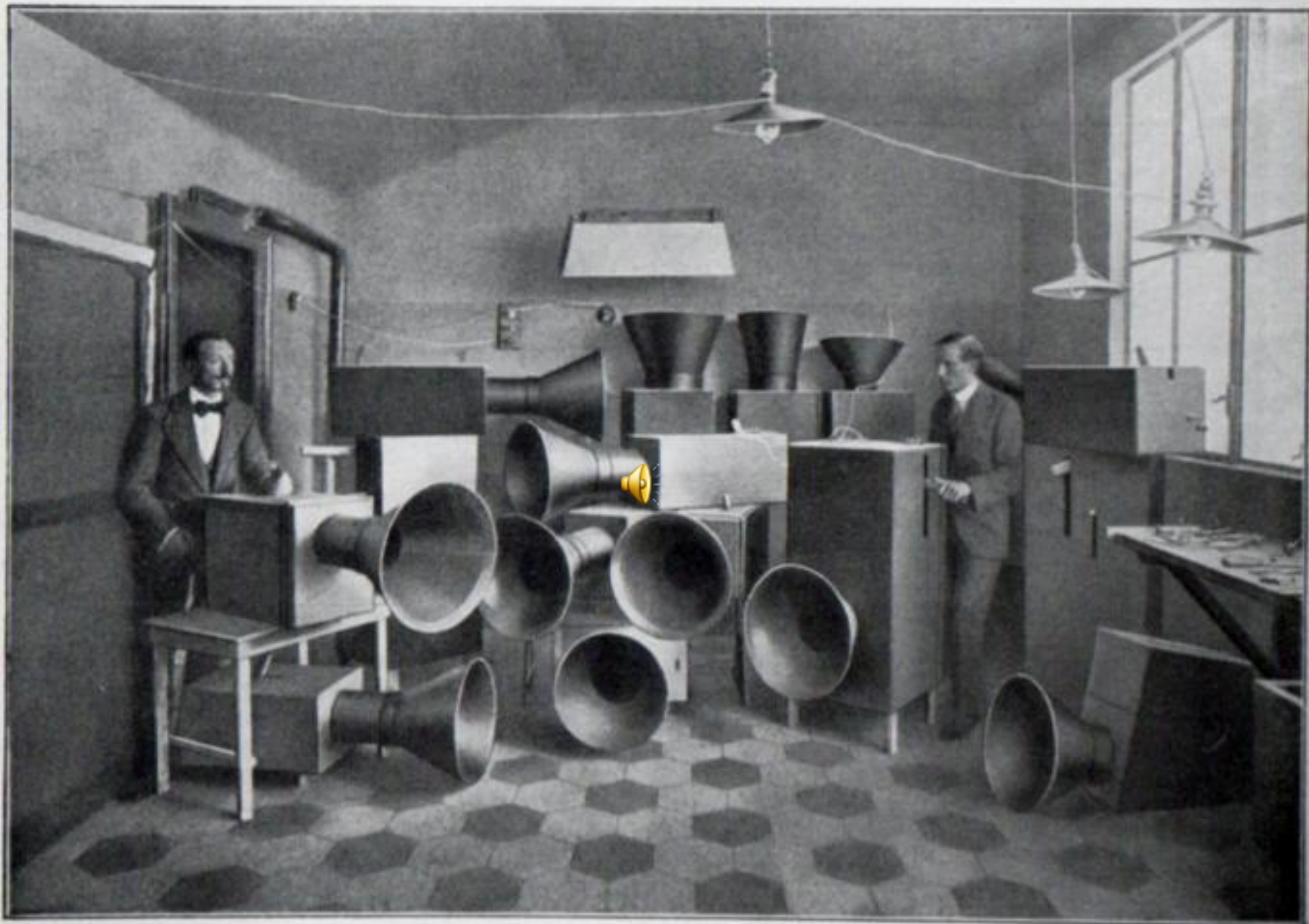
as ciende y desc. irregularmente
ascend and descend irregularly
ungleichmäßig auf- und absteigend

sobre la 1ª corde

Siglo XX-Timbre

Concepto ornamental vs. estructural

- Melodía de timbres
- Sonido-Ruido-Música para percusión
- Música Concreta y Electrónica
- Música Concreta Instrumental



LUIGI RUSSOLO

Nel Laboratorio degli Intonarumori a Milano.

UGO PIATTI

Dal « Risveglio di una città »

Ululatori
 Roulatori
 Crapitalori
 Straziccialori
 Scoppiatori
 Ronzatori
 Gorgogliatori
 Sibilatori

The score is written for seven vocal parts, each with a unique timbre. The notation includes various musical symbols such as notes, rests, and dynamic markings (e.g., *ff*, *p*) to indicate the intensity and character of the sounds.

per Intonarumori. - L. Russolo

Ululatori
 Roulatori
 Crapitalori
 Straziccialori
 Scoppiatori
 Ronzatori
 Gorgogliatori
 Sibilatori

This score is designed for the Intonarumori instruments, which are mechanical devices used to produce various types of noise. The notation includes dynamic markings such as *F*, *FF*, *p*, and *ff* to indicate the volume and intensity of the sounds.

Tárrega- Tabalet, Redoblante

Traste 9

6ª cuerda en *Re*.

Ninth Fret

Lower sixth string to D.

Neuvième Case

Baissez la sixième corde au *ré*.



El efecto del ejemplo es éste:

The effect of the above is:

L'effet de l'exemple précédent est:



o éste para el redoble continuo:

or like this, with continued beat:

ou comme ceci, avec battements continus.



Pueden alternar solo los dedos *i*, *m*.

You may alternate only fingers *i* and *m*.

Les doigts *i* et *m* peuvent seuls s'alterner.

El redoblante se indica con esta inicial: **T**

The drum-effect is indicated by a capital **T**

L'effet de tambour est indiqué par le **T** majuscule:



etc., según los compases que haya marcados.

etc., according to the number of measures.

etc., suivant le nombre de mesures.

* La inicial **T** está tomada del *Tarbal* o *Tabalet*, nombre que se da en la región Valenciana (España) de la cual era hijo el señor Tárrega, al redoblante o caja.

* This initial **T** stands for "Tarbal" or "Tabalet" a name applied in the province of Valencia (in which Tárrega was born) to the drum-effect.

* Cette majuscule **T** est la première lettre de "Tarbal" ou "Tabalet", nom appliqué à l'effet de tambour dans la province de Valence où Tárrega est né.

Timbre- Tipos de notación

Simbólica (Company- Maglia)

Polpastrello (dito a martello)	Colpo piatto (dito steso)	Unghia (dito a martello)	Dorso dell'unghe (dito steso e rovesciato)
<i>Fingertips</i> (hammer finger)	<i>Flat blow</i> (straight finger)	<i>Fingernail</i> (hammer finger)	<i>Back of the nail</i> (finger straight & upside down)
Kuppe (die Finger sind hammerhartig gekrümmt)	Flacher Schlag (ausgestreckter Finger)	Nagel (die Finger sind hammerhartig gekrümmt)	Nageloberfläche (Finger ausgestreckt und gekrümmt)
			
			

Textual (Kagel- Kampela)

R	rosace
F	with finger
N	with fingernail (also indicated NA)
AP	play above beyond ponticello ¹
AC	play beyond the nut (near the pegs)
V	hit the soundboard with the fingertip(s) (ad libitum with the thumb on the bridge: “drum”-effect)

 Ponticello.
 Tapa.
 Costado o faja.
 Desplazando el tamborileo o palmoteo sobre la tapa
 Chasquido producido golpeando con la mano derecha
 cerrada sobre las cuerdas fuertemente.
 Silbido producido al rozar la uña sobre la cuerda.
 Tambora
 Pizz. a la Bartók.

spoon r hand

Spoon Tremolo-gliss.: from first fret on strings E, A and D
up to the middle of the neck

straight gliss.

pppp

ffff

Sonidos Extra (Henze- Lachenmann)



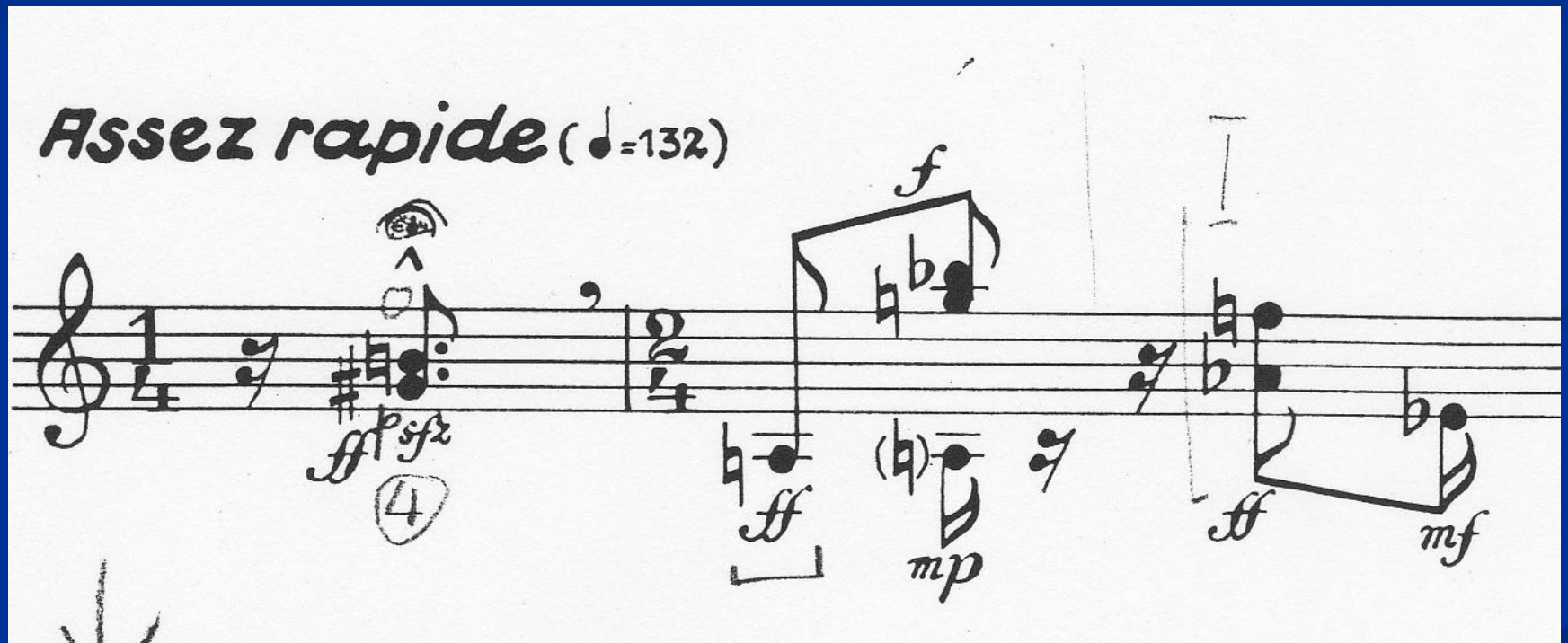
A musical score snippet for 'Sonidos Extra' by Henze-Lachenmann, showing a vocal line and lyrics. The score is marked with a '79' and a '3/4' time signature. The lyrics are: 'ho f t^c da s den' and 'hofft das Denken'. The notation includes a treble clef, a key signature of one sharp (F#), and a 'II' marking. The lyrics are written below the staff, with 'den' and 'Denken' on a new line.

Intensidad

- Serialismo
- Indeterminación
- Nuevas Grafías

Boulez – Le Marteau sans Maître

Serialismo



Mauricio Kagel – Sonant Indeterminación

p

as soft as possible. The room's audibility limit will determine the minimum level of the dynamic scale.

{ p

produce sounds of an equal level (here, piano), compensating for differences in register

M↓↑

maximum change in dynamic, attack and timbre

f

as loud as possible

▼

as loud as possible (very short)

sfz

as loud as possible (short)

Heitor Villalobos – Estudio N° 5

Tamaño de notas

The image displays a musical score for Heitor Villalobos' Estudio N° 5, featuring three systems of music. The first system is marked *Andantino* and *Endeavour*, with a tempo of 5/2. It includes dynamics *mf* and *pp*. The second system shows a variety of note values, including eighth, sixteenth, and thirty-second notes, with a *Voll* marking. The third system continues the melodic and rhythmic patterns, also featuring a *Voll* marking. The score is written on three staves, with the first staff in treble clef and the second and third staves in bass clef.

Henze – Memorias del Cimarrón

Diferente grosor de líneas

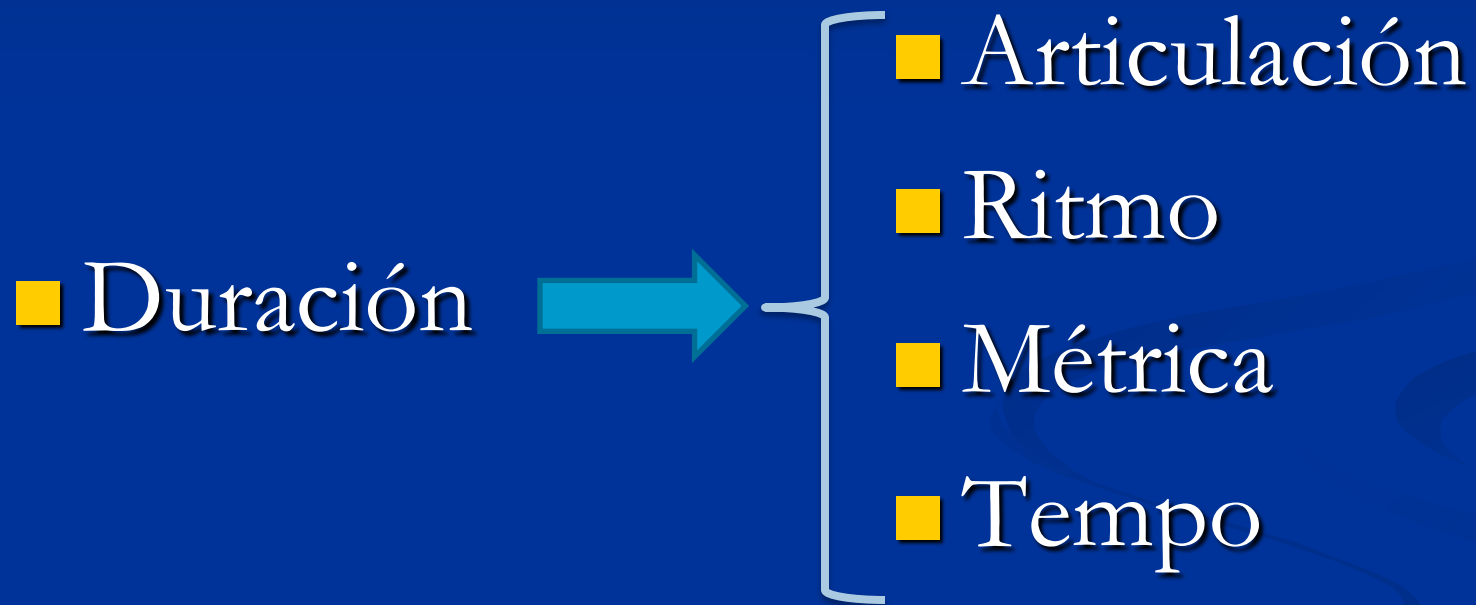
11

The image displays a musical score for a piece by Henze, titled 'Memorias del Cimarrón'. The score is written on four staves, each featuring a treble clef and a key signature of one sharp (F#). The notation includes various musical symbols such as notes, rests, and dynamic markings. The first staff begins with a 'p dolce' marking and a 'sfz' marking. The second staff includes a 'p sfz' marking and a 'C3' marking. The third staff features a 'rasgueado' marking and a 'ff' marking. The fourth staff includes a 'sobre el puente sul ponticello' marking and a 'ppp' marking. The score is numbered '11' in the top right corner.

p dolce *sfz* *p sfz* *ff* *rasgueado* *sobre el puente sul ponticello* *ppp*

C3 *C10* *C1*

Duración



Arthur Kampela - Danza

Métrica aditiva-Valores irregulares

The image displays two staves of musical notation for Arthur Kampela's 'Danza', illustrating complex additive rhythms and fingerings.

Staff 11: The notation includes a treble clef and a bass clef. The time signature is 7:4. The key signature has one sharp (F#). The tempo is marked *metalico*. The dynamics are *f* (forte), *smpz* (sotto piano), *sfz* (sforzando), and *smpz*. The fingerings are indicated by circled numbers: ⑥, ①, ③, ②, ③, ⑤, ①, ③, ①. A yellow bell icon is placed above the fingerings. The measure number 11 is shown at the beginning, and 32 at the end.

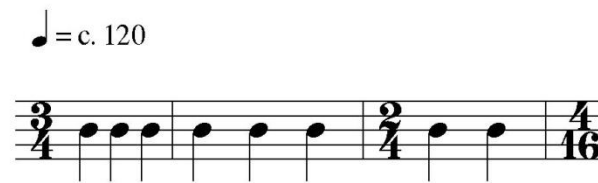
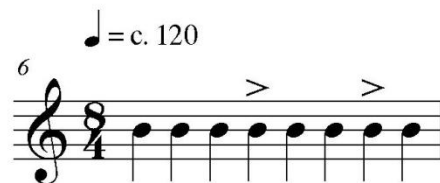
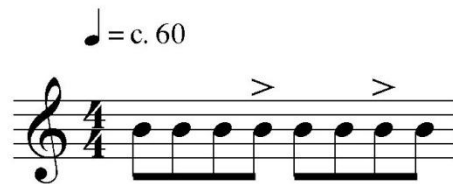
Staff 12: The notation includes a treble clef and a bass clef. The time signature is 5:4. The key signature has one sharp (F#). The tempo is marked *mf* (mezzo-forte). The dynamics are *f* (forte) and *mf*. The fingerings are indicated by circled numbers: ⑥, ①, ③, ②, ③, ⑤, ①, ③, ①. The measure number 12 is shown at the beginning, and 32 at the end.

Annotations:

- Pulgar tapa** (Red text, above the first measure of Staff 11)
- M.der.tapa grave** (Red text, above the first measure of Staff 12)
- m. izq. Tapa agudo** (Red text, above the first measure of Staff 12)
- Chasq. Pulg. Der.** (Red text, below the first measure of Staff 12)
- Pulgar der. tapa** (Red text, below the first measure of Staff 12)

Compás-Ritmo-Tempo: Herramientas

Análisis métrico-reescritura-pulso múltiple-sentido aditivo-aproximación-tempo absoluto



Elliot Carter – Shard

Modulación Métrica



Dusan Bogdanovic- Polimetría



Fernando Maglia – Estudio 6

Notación espacial



Handwritten musical score for Estudio 6, featuring spatial notation and various performance instructions.

The score is divided into sections by a horizontal line labeled "8 - 10''". Above the line is the Roman numeral "VI".

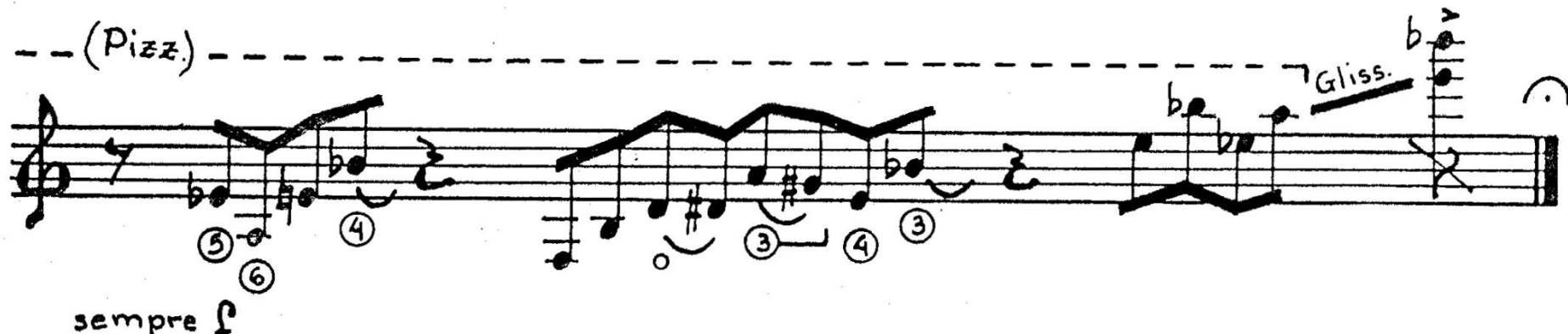
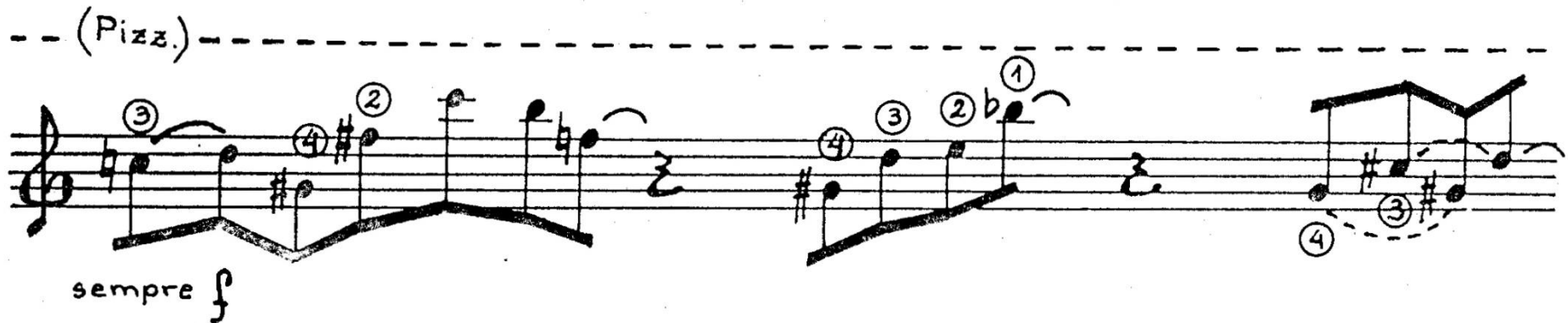
Key elements of the notation include:

- Section 1 (Left):** Starts with a treble clef and a key signature of one sharp (F#). It includes the instruction "pp" (pianissimo) and "arm VII". A bracket labeled "3''" spans a measure.
- Section 2 (Middle):** Features a treble clef and a key signature of one sharp. It includes the instruction "vigoroso" and "mp" (mezzo-piano). A bracket labeled "8 - 10''" spans a measure.
- Section 3 (Right):** Features a treble clef and a key signature of one sharp. It includes the instruction "irregolare" and "ms" (mezzo-forte). A bracket labeled "8 - 10''" spans a measure.

Other markings include "met" (metronome), "b.e." (basso continuo), "tamb" (tambourine), and "S.H." (Soprano Horn).

Tsilicas – Monólogos

Ritmo Irregular



Bruno Maderna- Serenata per un satellite Multitemporalidad



**SERENATA
PER UN
SATELLITE**

di Bruno Maderna
(1969)

TEMPO GENERALE
♩ = 42 ♩ 92 ♩ 132 ca.

p, espress. poco cresc. mf p mp

mf cresc. f

p dolce mf > pf p cresc.

so schnell wie möglich - p oder f immer anschließen lassen!

POSSONO SUONARE: VIOLINO, FLAUTO (ANCHE OBOE) OBOE (ANCHE CORO D'ARMORE - ANCHE MUSICA) CLARINETTO (TRASFONANDO NATURALMENTE LA PARTE) MARACAS - BAMBINO - CHITARRA E BAMBINO (SUONANDO QUELLO CHE POSSONO) - TUTTI INSIEME O SEPARATI O A GRUPPI - IMPROVVISANDO INSONNA, MA! - CON LE MANI SOTTO.

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Conclusión

- Notación: elección conceptual
- Sistema en transformación
- Lectura activa

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