

**“MOTOR DE GRAVEDAD  
SEXTA SINFONÍA”**

**Música y Texto  
de  
Fernando Cataño Mendoza**

2008

A mis padres  
Don Rafael Cataño Flores  
Y  
Doña Josefina Mendoza Villicaña

## DOTACIÓN INSTRUMENTAL

### FLAUTÍN

FLAUTAS	2
OBOE	2
CLARINETE Bb	2
FAGOT y C. GG	2
CORNO F	4

TROMPETA Bb	3
TROMBÓN	3
TUBA C	1

PERCUSIÓN	4
TIMBALES jgo.	

VIOLIN	1º
VIOLIN	2º

VIOLA  
VIOLONCHELO  
CONTRABAJO

TEXTO Narrador y Coro (voces)

# MOTOR DE GRAVEDAD

6° Sinfonía 1er Mov. PROPULSOR

Fernando Cataño Mendoza

2008A mis padres

Don Rafael Cataño Flores y

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## 6a. SINFONÍA

Andante mm 76

!

Flautín *Andante mm 76*  
PROPULSOR  
POLIMUELLE CELULAR FRACTAL

Flauta-1-2 *Andante mm 76*  
RESORTES  
PALANCAS  
MAGNETOS  
ELECTRODIGITAL

Oboe-1-2 *Andante mm 76*

Clarinete Bb *Andante mm 76*

Fagot-1C.Fg *Andante mm 76*

Cor-F-1-2 *Andante mm 76*  
*mf*  
Musical notation for Cor-F-1-2

Cor.F.3-4 *Andante mm 76*

Trp.Bb-1 *Andante mm 76*

Trp.Bb-2-3 *Andante mm 76*

Trb-1-2 *Andante mm 76*

Trb-Tba *Andante mm 76*

Perc-1-2 *Andante mm 76*  
PLATILLOS DE DIVERSOS COLORES  
PERC. PREFERENTE CON INSTRUMENTOS PRECAUHEMICOS  
SONAJAS, CASCABELES, TEPONACHTLI HUEHUETL

Perc-3-4 *Andante mm 76*  
TAMBORES VARIOS Y TAROLA Y GUIRO

Timbales *Andante mm 76*

VI-1 *Andante mm 76*

VI-2 *Andante mm 76*

Vla *Andante mm 76*

Cello *Andante mm 76*

C.Bajo *Andante mm 76*

5

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

*f* *pp*

*f* *pp*

9

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F.1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

13

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F.1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C. Bajo

17

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2  
Sonaja  
Clave

Perc-3-4  
Tarola  
Tmbor

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

21

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



25

Flautín

Flauta-1-2 *pp*

Oboe-1-2 *pp*

Clarinete Bb

Fagot-1C.Fg *pp*

Cor-F-1-2 *pp*

Cor.F.3-4 *pp*

Trp.Bb-1 *pp*

Trp.Bb-2-3

Trb-1-2 *pp*

Trb-Tba

Perc-1-2

Perc-3-4 *pp*

Timbales

RELATOR de gravedad es una máquina mecánica que transforma el fenómeno físico

VI-1 *pp*

VI-2

Vla

Cello

C. Bajo *pp*

29

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Maquina con capacidad para producir una trabajo mecánico conciliado física y acústica

VI-1

VI-2

Vla

Cello

C. Bajo

pizz. c/arco

pizz. pizz. c/arco

33

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Su estructura conside en el balance entre Polimuelle Celular Fractal, palancas, barras, magnetos

VI-1

VI-2

Vla

Cello

C. Bajo

37

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

por donde fluyen las fuerzas de la masa.

41

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

CORO: La gravedad del PLANETA... ESTÁ PRESENTE, SALVEMONOS.

VI-1

VI-2

Vla

Cello

C.Bajo

45

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

49

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2 Huehueni y Cascabeles

Perc-3-4 Farota y Tambor

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

53

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



57 *tr*

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba *gliss. AD LIB.*

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

61

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

65

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

69

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

73

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2 Guero y Platillos

Perc-3-4 G. Caja y Platillo graves

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

77

Flautin

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

81

Musical score for page 81, featuring various instruments. The score is written in 4/4 time. The instruments and their parts are:

- Flautín: Rest
- Flauta-1-2: Rest
- Oboe-1-2: Rest
- Clarinete Bb: Rest
- Fagot-1C.Fg: Rest
- Cor-F-1-2: Rest
- Cor.F.3-4: Rest
- Trp.Bb-1: Rest, then a melodic phrase starting in the fourth measure.
- Trp.Bb-2-3: Rest
- Trb-1-2: Rest
- Trb-Tba: Rest
- Perc-1-2: Active part with rhythmic patterns and accents.
- Perc-3-4: Active part with rhythmic patterns and accents.
- Timbales: Rest
- Vl-1: Active part with a melodic line.
- Vl-2: Active part with a melodic line.
- Vla: Active part with a melodic line.
- Cello: Rest
- C.Bajo: Rest

85

Musical score for page 85, featuring various instruments. The score is written for a full orchestra. The instruments listed are: Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The score is written in 4/4 time. The key signature is one flat (Bb). The Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-1-2, Cor.F.3-4, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, and Timbales parts are mostly silent (indicated by a dash). The Trp.Bb-1 part has a melodic line starting with a quarter note G4, followed by eighth notes. The VI-1 part has a melodic line starting with a quarter note G4, followed by eighth notes. The Vla, Cello, and C.Bajo parts are mostly silent.



89

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

Solo

93

RELATOR;

Musical score for 'RELATOR;' featuring various instruments. The score includes staves for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The C.Bajo part features a triplet of notes in the first measure.

97

Musical score for page 97, featuring various instruments. The score is written in 4/4 time and includes the following parts:

- Flautín
- Flauta-1-2
- Oboe-1-2
- Clarinete Bb
- Fagot-1C.Fg
- Cor-F-1-2
- Cor.F.3-4
- Trp.Bb-1
- Trp.Bb-2-3
- Trb-1-2
- Trb-Tba
- Perc-1-2
- Perc-3-4
- Timbales
- Vi-1
- Vi-2
- Vla
- Cello
- C.Bajo

The score shows a complex rhythmic pattern in the percussion and string sections, with the woodwinds and brass instruments mostly resting.

101

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

105

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2 Teponatztle y Sonajas

Perc-3-4 Huehuétl y Caja

Timbales

VI-1 Solo

VI-2

Vla

Cello

C. Bajo

109

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

113

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

117

Musical score for Polimuelle Fractai Celular, page 30, measure 117. The score includes staves for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The score shows a complex arrangement of instruments with various musical notations, including rests, notes, and dynamic markings.



121

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

*f*

*f*

*f*

*f*

*f*

*mf*

*mf*

*mf*

*mf*

*mf*

125

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

*mf*

*mp*

*f*

129

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

*f*

*f*

*f*

*f*

*f*

*mf*

*mf*

*mf*

*mf*

*mf*

133

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

*f*

*f*

*f*

*f*

*f*

Solo

*f*

*p*

*mf*

*f*

137

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1 *pp*

VI-2

Vla

Cello

C.Bajo

141

Flautín *pf* *f*

Flauta-1-2 *pf* *f*

Oboe-1-2 *pf* *f*

Clarinete Bb *pf* *f*

Fagot-1C.Fg

Cor-F-1-2 *pf* *f*

Cor.F.3-4 *pf* *f*

Trp.Bb-1 *pf* *f*

Trp.Bb-2-3 *pf* *f*

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4 *pf* *f*

Timbales

VI-1 *pf* *f*

VI-2 *pf* *f*

Vla *pf* *f*

Cello

C. Bajo

145

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

149

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo



153

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

*ff* *mf* *f*

*ff* *mf* *f*

*ff* *mf* *f*

*ff* *mf* *f*

*ff* *mf* *f*

157

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

161

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

*ff*

*ff*

*ff*

*ff*

*ff*

165

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

169

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

173

Musical score for Polimuelle Fractal Celular, page 44, starting at measure 173. The score includes staves for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, and strings (Vi-1, Vi-2, Vla, Cello, C.Bajo). The woodwinds and strings play a melodic line starting at measure 173, marked with a forte (*f*) dynamic. The percussion parts (Perc-1-2, Perc-3-4, Timbales) provide a rhythmic accompaniment. The string parts (Vi-1, Vi-2, Vla, Cello, C.Bajo) play a melodic line starting at measure 173, marked with a forte (*f*) dynamic. The score concludes with a fortissimo (*ff*) dynamic marking.

177

This page of a musical score contains measures 177 through 180. The score is for a large ensemble and includes the following parts:

- Flautín**: Rests in measures 177-179, then plays a rhythmic pattern in measure 180.
- Flauta-1-2**: Active throughout, playing a melodic line with grace notes.
- Oboe-1-2**: Active throughout, playing a melodic line with grace notes.
- Clarinete Bb**: Active throughout, playing a melodic line with grace notes.
- Fagot-1C.Fg**: Active throughout, playing a melodic line with grace notes.
- Cor-F-1-2**: Active throughout, playing a melodic line with grace notes.
- Cor.F.3-4**: Rests throughout.
- Trp.Bb-1**: Rests throughout.
- Trp.Bb-2-3**: Rests in measures 177-179, then plays a rhythmic pattern in measure 180.
- Trb-1-2**: Rests in measures 177-179, then plays a rhythmic pattern in measure 180.
- Trb-Tba**: Rests in measures 177-179, then plays a rhythmic pattern in measure 180.
- Perc-1-2**: Rests throughout, with a short burst of activity in measure 180.
- Perc-3-4**: Active throughout, playing a rhythmic pattern.
- Timbales**: Active throughout, playing a rhythmic pattern.
- VI-1**: Active throughout, playing a melodic line with grace notes. Dynamics include *p*.
- VI-2**: Active throughout, playing a melodic line with grace notes. Dynamics include *p*.
- Vla**: Active throughout, playing a melodic line with grace notes. Dynamics include *p*.
- Cello**: Active throughout, playing a melodic line with grace notes. Dynamics include *p*.
- C.Bajo**: Active throughout, playing a melodic line with grace notes. Dynamics include *p*.

The score is written in 6/8 time and features a variety of musical notations, including rests, melodic lines with grace notes, and rhythmic patterns. The dynamic marking *p* (piano) is used for the string and woodwind parts.

181

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F-3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



185

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

*f* *ff*

189

Flautín *p*

Flauta-1-2 *p*

Oboe-1-2 *p*

Clarinete Bb *p*

Fagot-1C.Fg *p*

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1 *p*

Trp.Bb-2-3 *p*

Trb-1-2 *p*

Trb-Tba *p*

Perc-1-2 Xilofono *p*

Perc-3-4

Timbales

Vl-1 *p*

Vl-2 *p*

Vla *p*

Cello *p*

C.Bajo *p*

193

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C. Bajo

# MOTOR DE GRAVEDAD

2° Movimiento ROTACIÓN

Fernando Cataño Mendoza

2008

Moderatmm 92

Flautín

Moderatmm 92

Flauta-1-2

Moderatmm 92

Oboe-1-2

Moderatmm 92

Clarinete Bb-1-2

Moderatmm 92

Fagot-1C.Fg

Moderatmm 92

Cr.F-1-2

Moderatmm 92

Cor.F.3-4

Moderatmm 92

Trp.Bb-1

Moderatmm 92

Trp.Bb-2-3

Moderatmm 92

Trb-1-2

Moderatmm 92

Trb-Tba

Moderatmm 92

Perc-1-2

Moderatmm 92

Moderatmm 92

Perc-3-4

Moderatmm 92

Timbales

Moderatmm 92

VI-1

Moderatmm 92

VI-2

Moderatmm 92

Vla

Moderatmm 92

Cello

Moderatmm 92

C.Bajo

5

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

9

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

Detailed description: This is a page of a musical score for a symphony orchestra. It features 19 staves, each labeled with an instrument. The instruments are: Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Fagot-1C.Fg, Cr.F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The Oboe-1-2 staff contains the only melodic line on this page, starting with a series of eighth notes, followed by two triplet markings (indicated by a '3' in a bracket), a slur over a dotted quarter note, and another triplet marking. The Clarinete Bb-1-2 staff contains a rhythmic pattern of eighth notes. The other staves are mostly empty, with some rests and a few notes at the end of the page for the VI-1, VI-2, and Cello staves.

13

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

17

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Guiro

Semillas

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



21

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C. Bajo

25

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

29

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

33

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

37

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

41

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

45

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

49

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

Detailed description of the musical score: The page contains 13 staves of music. The Flautín part (top) begins at measure 49 with a trill (tr) and a fermata. The Flauta-1-2 part has a melodic line starting in measure 51. The Clarinete Bb-1-2 part has a melodic line starting in measure 49. The Cr.F-1-2 part has a rhythmic pattern of eighth notes. The Perc-3-4 part has a complex rhythmic pattern of eighth notes. The Trb-Tba part has a rhythmic pattern of eighth notes. The VI-1 part has a melodic line starting in measure 49. The Vla part has a melodic line starting in measure 49. The Cello and C.Bajo parts are mostly silent.



53

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

C/ sord.

57

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

61

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

gliss. ad lib

65

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

69

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

V1-1

V1-2

Vla

Cello

C.Bajo

73

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

77

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

81

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



85

This page of a musical score, numbered 85, contains 17 staves for various instruments. The instruments listed on the left are: Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Fagot-1C.Fg, Cr. F-1-2, Cor. F.3-4, Trp. Bb-1, Trp. Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C. Bajo. The Flautín, Flauta, Oboe, Clarinete, Cr. F., Cor. F., Trp. Bb-1, Trp. Bb-2-3, Perc-1-2, Perc-3-4, and Timbales staves are mostly empty, indicating rests. The Fagot-1C.Fg, Trb-1-2, Trb-Tba, Cello, and C. Bajo staves contain musical notation, including eighth and sixteenth notes, rests, and dynamic markings like '7' and 'b'. The VI-1 and VI-2 staves also contain musical notation, primarily quarter and eighth notes. The Vla staff contains a melodic line with quarter and eighth notes.

89

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

93

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

Detailed description: This page of a musical score, numbered 93, contains 17 staves. The top 13 staves are for woodwinds and brass: Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Fagot-1C.Fg (with a key signature change to one sharp), Cr.F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, and Trb-Tba. The next three staves are for percussion: Perc-1-2, Perc-3-4, and Timbales. The bottom four staves are for strings: VI-1, VI-2, Vla, Cello, and C. Bajo. The woodwinds and brass parts feature melodic lines with various articulations and dynamics. The string parts provide harmonic support with sustained notes and some melodic movement.

97

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F-3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

92

Tambor Teponaztlí y cascabeles

101

Flautín

RELATOR: Motores y más motores: de Reacción, Elécticos, Rotativos, Térmicos o de Turbo; todos de gran poder

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

105

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2  
Tambocillo  
platillo

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

y gran contaminación por su fuente de energía, a diferencia de todos la masa no contamina.

109

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Platillos

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

113

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



117

En rotación los Planetas, con este nuevo motor, giremos en rotación.

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

121

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2  
Platillo

Perc-3-4  
Tambor Teponaztli y cascabeles

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

125

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

129

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2 Bongoes

Perc-3-4 Tarola

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

133

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

Detailed description: This page of a musical score, numbered 133, contains 17 staves for various instruments. The instruments listed are Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Fagot-1C.Fg, Cr.F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The score is written in 4/4 time. The Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Cr.F-1-2, Cor.F.3-4, Trp.Bb-1, and Cello staves are mostly silent, indicated by a horizontal line. The Trp.Bb-2-3 staff has a melodic line starting in the third measure with triplets. The Trb-1-2 and Trb-Tba staves play a rhythmic pattern of eighth notes with triplets. The Perc-1-2 and Perc-3-4 staves play a steady eighth-note pattern. The Timbales, VI-1, VI-2, and Vla staves play a melodic line starting in the third measure with triplets. The C.Bajo staff is silent.

137

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F-3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

141

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

145

This page contains the musical score for measures 145 to 147. The instruments and their parts are as follows:

- Flautín:** Rests in all three measures.
- Flauta-1-2:** Active in measures 145 and 146, then rests in 147.
- Oboe-1-2:** Active in measures 145 and 146, then rests in 147.
- Clarinete Bb-1-2:** Active in measures 145 and 146, then rests in 147.
- Fagot-1C.Fg:** Active in measures 145 and 146, then rests in 147.
- Cr.F-1-2:** Rests in all three measures.
- Cor.F.3-4:** Rests in all three measures.
- Trp.Bb-1:** Rests in all three measures.
- Trp.Bb-2-3:** Active in measures 145 and 146, then rests in 147.
- Trb-1-2:** Active in measures 145 and 146, then rests in 147.
- Trb-Tba:** Active in measures 145 and 146, then rests in 147.
- Perc-1-2:** Active in measures 145 and 146, then rests in 147.
- Perc-3-4:** Rests in all three measures.
- Timbales:** Rests in all three measures.
- Vi-1:** Active in all three measures.
- Vi-2:** Active in all three measures.
- Vla:** Active in measures 145 and 146, then rests in 147.
- Cello:** Active in measures 145 and 146, then rests in 147.
- C.Bajo:** Rests in all three measures.



149

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

153

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

157

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

161

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

The musical score is written in 4/4 time. It features a variety of rhythmic patterns, including eighth and sixteenth notes, and rests. Triplet markings (3) are present in several parts, such as the Clarinet Bb, Flute 1-2, Cor.F.3-4, Trumpet Bb-1, Trumpet Bb-2-3, Trombone 1-2, Trombone/Tuba, and Cello. The Percussion parts (Perc-3-4 and Timbales) have specific rhythmic patterns. The strings (VI-1, VI-2, Vla, Cello, C. Bajo) have various rhythmic accompaniments, with the C. Bajo part featuring a prominent eighth-note pattern.

165

Musical score for various instruments. The score is divided into two systems. The first system includes Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Fagot-1C.Fg, Cr.F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, and Timbales. The second system includes Vl-1, Vl-2, Vla, Cello, and C. Bajo. The score features a key signature of one flat (Bb) and a time signature of 7/8. The Flautín, Flauta, Oboe, Clarinete, Fagot, Cr.F., Cor.F., Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, and C. Bajo parts are mostly silent. The Trp.Bb-1 and Trp.Bb-2-3 parts play a melodic line with triplets. The Vl-1, Vl-2, and Vla parts play a rhythmic pattern. The Cello and C. Bajo parts are silent.

169

Musical score for 2° Mov. ROTACIÓN F. Cataño, page 43, starting at measure 169. The score includes parts for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Fagot-1C.Fg, Cr.F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, V1-1, V1-2, Vla, Cello, and C. Bajo. The score is written in 7/8 time and features a key signature of one flat. The woodwinds and brasses are mostly silent, while the strings and percussion play active parts.

173

This page of a musical score, page 44, contains measures 173 through 176. The score is for a symphony orchestra and includes the following parts:

- Flautín**: Treble clef, rests in measures 173-175, eighth notes in measure 176.
- Flauta-1-2**: Treble clef, rests in measures 173-175, eighth notes in measure 176.
- Oboe-1-2**: Treble clef, rests in measures 173-175, eighth notes in measure 176.
- Clarinete Bb-1-2**: Treble clef, rests in measures 173-175, eighth notes in measure 176.
- Fagot-1C.Fg**: Bass clef, rests in measures 173-175, eighth notes in measure 176.
- Cr.F-1-2**: Treble clef, rests in measures 173-175, eighth notes in measure 176.
- Cor.F.3-4**: Treble clef, rests in measures 173-175, eighth notes in measure 176.
- Trp.Bb-1**: Treble clef, whole note chord in measure 173, rests in 174-175, eighth notes in 176.
- Trp.Bb-2-3**: Treble clef, whole note chord in measure 173, rests in 174-175, eighth notes in 176.
- Trb-1-2**: Bass clef, rests in measures 173-175, eighth notes in measure 176.
- Trb-Tba**: Bass clef, rests in measures 173-175, eighth notes in measure 176.
- Perc-1-2**: Percussion clef, rests in measures 173-175, eighth notes in measure 176.
- Perc-3-4**: Percussion clef, rests in measures 173-175, eighth notes in measure 176.
- Timbales**: Bass clef, rests in measures 173-175, eighth notes in measure 176.
- Vi-1**: Treble clef, eighth-note melody in measures 173-176.
- Vi-2**: Treble clef, eighth-note melody in measures 173-176.
- Vla**: Bass clef, whole note chord in measure 173, eighth notes in 174-176.
- Cello**: Bass clef, whole note chord in measure 173, eighth notes in 174-176.
- C.Bajo**: Bass clef, whole note chord in measure 173, eighth notes in 174-176.

177

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



181

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4 Tarola

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

185

Musical score for a symphony orchestra, page 47, measures 185-188. The score includes parts for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Fagot-1C.Fg, Cr.F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, Vi-1, Vi-2, Vla, Cello, and C. Bajo. The score features complex rhythmic patterns, including triplets and sixteenth-note runs, particularly in the Flauta-1-2, Fagot-1C.Fg, Perc-1-2, and Vi-1/2 parts.

189

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

V1-1

V1-2

Vla

Cello

C.Bajo

193

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

197

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

201

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4 Tarola

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

205

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

209

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

Detailed description of the musical score: The score is for a 2nd movement titled 'ROTACIÓN' by F. Cataño, page 53, starting at measure 209. It features a large orchestral ensemble. The woodwind section includes Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb-1-2, Fagot-1C.Fg, Cr.F-1-2, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, and Trb-Tba. The percussion section includes Perc-1-2, Perc-3-4, and Timbales. The string section includes VI-1, VI-2, Vla, Cello, and C.Bajo. The score shows a complex rhythmic and melodic structure with many triplets and sixteenth notes. The key signature has one flat (Bb), and the time signature is 7/8. The woodwinds and strings play active parts, while the brass and percussion have more rhythmic or melodic lines. The Flautín and Flauta parts are mostly rests. The Trp.Bb-1 and Trp.Bb-2-3 parts feature prominent triplet patterns. The Trb-1-2 and Trb-Tba parts have a more melodic line. The Perc-1-2 and Perc-3-4 parts have a rhythmic pattern. The Timbales part has a melodic line. The VI-1 and VI-2 parts have a melodic line. The Vla, Cello, and C.Bajo parts have a melodic line.



213

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

217

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

221

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

225

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

229

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb-1-2

Fagot-1C.Fg

Cr.F-1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

# MOTOR DE GRAVEDAD

6a. Sinf. 3er. Mov. Translación

Fernando Cataño Mendoza

3er. Movimiento

2008

Allegretto 108

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

TRANSLACIÓN

POLIMUELLE FRACTAL CELULAR

The image shows a page of a musical score for the third movement of the Sixth Symphony, 'Motor de Gravedad'. The score is for a symphony orchestra and includes parts for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C. Bajo. The tempo is marked 'Allegretto 108'. The key signature is one flat (Bb) and the time signature is 3/4. The score is mostly rests, with some musical notation in the C. Bajo part at the bottom, including dynamics like *mf* and *f*, and articulation marks like *v* and *mf*.

5

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

9

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

Detailed description: This is a page of a musical score for a symphony orchestra. It features 18 staves, each labeled with an instrument. The instruments are: Flautín (piccolo), Flauta-1-2 (flutes), Oboe-1-2 (oboes), Clarinete Bb (clarinet), Fagot-1C.Fg (bassoon), Cor-F-12 (cor Anglais), Cor.F.3-4 (corns), Trp.Bb-1 (trumpet), Trp.Bb-2-3 (trumpets), Trb-1-2 (trombones), Trb-Tba (trombone and tuba), Perc-1-2 (percussion), Perc-3-4 (percussion), Timbales (timpani), VI-1 (violin), VI-2 (violin), Vla (viola), Cello (cello), and C. Bajo (double bass). The score is written in a 2/4 time signature. Most of the staves are empty, indicating that the instruments are silent for this section. The Viola (Vla) and C. Bajo (C. Bajo) staves contain musical notation. The Viola part begins with a melodic line in the first measure, consisting of eighth and sixteenth notes, and continues with a phrase that spans across the first and second measures. The C. Bajo part has a few notes in the first measure, including a half note and a quarter note, followed by rests.



13

mm 108

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

17

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

21

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

25

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

29

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

*gkissy*

33

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

37

Flautín *mm* 74

Flauta-1-2 *mm* 74

Oboe-1-2 *mm* 74

Clarinete Bb *mm* 74

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1 *mm* 74

Trp.Bb-2-3 *mm* 74

Trb-1-2

Trb-Tba *mm* 74

Perc-1-2

Perc-3-4

Timbales

Vi-1 *mm* 74

Vi-2 *mm* 74

Vla *mm* 74

Cello

C.Bajo *mm* 74

41

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo



45 Flautín *mm* 74

Flauta-1-2 *mm* 74

Oboe-1-2 *mm* 74

Clarinete Bb *mm* 74

Fagot-1C.Fg *mm* 74

Cor-F-12 *mm* 74

Cor.F.3-4 *mm* 74

Trp.Bb-1 *mm* 74

Trp.Bb-2-3 *mm* 74

Trb-1-2 *mm* 74

Trb-Tba *mm* 74

Perc-1-2

Perc-3-4

Timbales

VI-1 *mm* 74

VI-2 *mm* 74

Vla *mm* 74

Cello

C. Bajo

49

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

53

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

57

Musical score for page 57, featuring various instruments including Flautín, Flauta, Oboe, Clarinete, Fagot, Cor, Trp, Trb, Perc, Timbales, and strings. The score is written in 3/4 time and includes a key signature of one flat (Bb). The instruments and their parts are:

- Flautín: Rest
- Flauta-1-2: Rest
- Oboe-1-2: Melodic line starting in the 3rd measure.
- Clarinete Bb: Melodic line starting in the 3rd measure.
- Fagot-1C.Fg: Melodic line starting in the 3rd measure.
- Cor-F-12: Rest
- Cor.F.3-4: Rest
- Trp.Bb-1: Rest
- Trp.Bb-2-3: Rest
- Trb-1-2: Melodic line starting in the 1st measure.
- Trb-Tba: Melodic line starting in the 1st measure.
- Perc-1-2: Rest
- Perc-3-4: Rest
- Timbales: Rest
- VI-1: Melodic line starting in the 1st measure.
- VI-2: Melodic line starting in the 1st measure.
- Vla: Melodic line starting in the 1st measure.
- Cello: Melodic line starting in the 1st measure.
- C.Bajo: Melodic line starting in the 1st measure.

61

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

65

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

69

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F.12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

73

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

Detailed description: This page of a musical score, numbered 73, contains 18 staves for various instruments. The instruments listed are Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The Fagot-1C.Fg, Cor-F-12, Trp.Bb-2-3, Trb-1-2, and Trb-Tba staves contain musical notation, including notes, rests, and dynamic markings. The other staves are currently blank.



77

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

Detailed description: This page of a musical score, numbered 77, contains 17 staves for various instruments. The Flautín staff is empty. The Flauta-1-2 staff has a melodic line with eighth and sixteenth notes. The Oboe-1-2 staff has a similar melodic line. The Clarinete Bb staff is empty. The Fagot-1C.Fg staff has a melodic line in the bass clef. The Cor-F-12 staff has a rhythmic pattern of eighth notes. The Cor.F.3-4 staff is empty. The Trp.Bb-1 staff is empty. The Trp.Bb-2-3 staff is empty. The Trb-1-2 staff has a melodic line in the bass clef. The Trb-Tba staff has a melodic line in the bass clef. The Perc-1-2 staff has a rhythmic pattern of eighth notes. The Perc-3-4 staff is empty. The Timbales staff is empty. The Vi-1 and Vi-2 staves are empty. The Vla staff is empty. The Cello and C.Bajo staves are empty.

81

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F.1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

85

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

89

Flautín

Flauta-1-2  
acell a mm 108

Oboe-1-2  
acell a mm 108

Clarinete Bb  
acell a mm 108

Fagot-1.C.Fg

Cor-F-12  
acell a mm 108

Cor.F.3-4

Trp.Bb-1  
acell a mm 108

Trp.Bb-2-3  
acell a mm 108

Trb-1-2  
acell a mm 108

Trb-Tba  
acell a mm 108

Perc-1-2  
acell a mm 108

Perc-3-4

Timbales

VI-1  
acell a mm 108

VI-2  
acell a mm 108

Vla  
acell a mm 108

Cello  
acell a mm 108

C.Bajo  
acell a mm 108

93

Flautín

Flauta-1-2 mm 108

Oboe-1-2 mm 108

Clarinete Bb mm 108

Fagot-1C.Fg mm 108

Cor-F-12 mm 108

Cor.F.3-4

Trp.Bb-1 mm 108

Trp.Bb-2-3 mm 108

Trb-1-2 mm 108

Trb-Tba mm 108

Perc-1-2

Perc-3-4

Timbales

VI-1 mm 108

VI-2 mm 108

Vla mm 108

Cello mm 108

C.Bajo mm 108

97

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

RELATOR: El motor de gravedad es una innovación de energía alternativa.

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1 *gliss.*

VI-2 *tr*

Vla

Cello

C.Bajo

101

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

CGRQ: A diferencia de todos los demás, su fuente de energía es ilimitada no contaminante  
gliss.

105

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

Detailed description: This page of a musical score, numbered 105, contains 18 staves for various instruments. The instruments listed on the left are Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, Vi-1, Vi-2, Vla, Cello, and C.Bajo. The Flautín staff is mostly silent. The Flauta, Oboe, and Cor parts have melodic lines with some rests. The Clarinete, Fagot, Trp, and Trb parts have more active, rhythmic lines. The Percussion and Timbales parts are mostly silent. The string parts (Vi-1, Vi-2, Vla, Cello, C.Bajo) have melodic lines with some rests.



109

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

113

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

CORO: SALVEMOS AL PLANETA, al Reyno vegetal, al Reyno animal a la HUMANIDAD.

117

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F.12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

121

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

125

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

129

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

RELATOR Al transformar el fenómeno físico, el motor de gravedad pot medio de PLIMUELLES CELULARES FRACTA

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

133

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

137

Flautín S O S SOS SOS SOS SOS

Flauta-1-2 S O S SOS SOS SOS SOS

Oboe-1-2 S O S SOS SOS SOS SOS

Clarinete Bb S O S SOS SOS SOS SOS

Fagot-1C.Fg

Cor-F-12 S O S SOS SOS SOS SOS

Cor.F.3-4 S O S SOS SOS SOS SOS

Trp.Bb-1 PUBLICO: S O S SOS SOS SOS

Trp.Bb-2-3 S O S SOS SOS SOS SOS

Trb-1-2 S O S SOS SOS SOS SOS

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo



141

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

145

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

149

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

Detailed description: This page of a musical score, numbered 149, contains 15 staves for various instruments. The instruments listed are Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The Flautín, Flauta, Oboe, Clarinete Bb, Trp.Bb-2-3, and Timbales staves are mostly empty, indicating rests. The Fagot, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trb-1-2, Trb-Tba, Perc-1-2, VI-1, VI-2, Vla, Cello, and C.Bajo staves contain musical notation, including notes, rests, and dynamic markings.

153

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

157

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

161

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

165 **MM 86**

Flautín

Flauta-1-2 **MM 86**

Oboe-1-2 **mm 86**

Clarinete Bb **mm 86** **mm 86**

Fagot-1C.Fg

Cor-F-12 **mm 86**

Cor.F.3-4

Trp.Bb-1 **mm 86**

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2 **mm 86**

Perc-3-4 **mm 86**

Timbales **mm 86**

Vi-1 **mm 86**

Vi-2 **mm 86**

Vla **mm 86**

Cello

C.Bajo

169

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F.1-2

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



173

*rit* 120 *rit* 120

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

177 *ritm* 120 *ritm* 120

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

181

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

185

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

189

This page of a musical score, numbered 189, contains 17 staves for various instruments. The instruments listed on the left are: Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, Vl-1, Vl-2, Vla, Cello, and C.Bajo. The Oboe-1-2 staff shows a complex melodic line with many sixteenth and thirty-second notes. The Trp.Bb-2-3 staff has a melodic line with some accidentals. The Trb-1-2 and Trb-Tba staves have rhythmic patterns. The Perc-1-2 and Perc-3-4 staves show specific percussion notation with 'x' marks. The Vl-1, Vl-2, and Vla staves have melodic lines with some accidentals. The Flautín, Flauta-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Cello, and C.Bajo staves are mostly empty, indicating they are silent for this section.

193

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

197

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

201

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo



205

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

209

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

213

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

217

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F.12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

221

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

225

This page of a musical score contains 16 staves for various instruments. The instruments and their parts are as follows:

- Flautín**: Resting.
- Flauta-1-2**: Playing a melodic line.
- Oboe-1-2**: Playing a melodic line.
- Clarinete Bb**: Playing a melodic line.
- Fagot-1C.Fg**: Playing a melodic line.
- Cor-F-12**: Playing a melodic line.
- Cor.F.3-4**: Playing a melodic line.
- Trp.Bb-1**: Playing a melodic line.
- Trp.Bb-2-3**: Playing a melodic line.
- Trb-1-2**: Playing a melodic line.
- Trb-Tba**: Playing a melodic line.
- Perc-1-2**: Playing a rhythmic pattern.
- Perc-3-4**: Playing a rhythmic pattern.
- Timbales**: Playing a rhythmic pattern.
- Vi-1**: Playing a melodic line.
- Vi-2**: Playing a melodic line.
- Vla**: Playing a melodic line.
- Cello**: Playing a melodic line.
- C.Bajo**: Playing a melodic line.

229

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

233

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo



# MOTOR DE GRAVEDAD

Maquina Mecánica 4° Mov.

Fernando Cataño Mendoza

6° SINFONÍA 2008

Andante mm 76 4° Movimiento

Flautín MAQUINA MECANICA DE ENERGIA ÚTIL  
POLIMUELLE CELULAR FRACTAL

Flauta-1-2 RESORTES  
PALANCAS  
MAGNETOS  
ELECTRODIGITAL

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

divice

5

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

divice

Pizz. divice

Pizz. divice

Pizz. divice

Pizz.

9

Flautin

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

13

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

17

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

Detailed description of the musical score: The score is for a large ensemble. Measures 17-20 are shown. The Flautín, Flauta-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, and Trb-Tba parts are mostly silent, indicated by whole rests. The Perc-1-2 part has a rhythmic pattern with a triplet of eighth notes and a sextuplet of eighth notes. The Perc-3-4 part has a steady eighth-note accompaniment. The Timbales part has a rhythmic pattern starting in measure 19. The string parts (Vi-1, Vi-2, Vla, Cello, C.Bajo) are also silent.

21

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

25

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

29

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

pizz. c/arco

pizz. c/arco

pizz. c/arco



33

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

6

3

divice

37

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

41

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

45

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

49

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Via

Cello

C.Bajo

divice

53

Musical score for Polimuelle Celular Fractal, page 14, measure 53. The score includes staves for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The Trb-Tba staff features a triplet of eighth notes in the first two measures and a triplet of quarter notes in the last two measures. The Vla staff has a sixteenth-note triplet in the third measure. The Cello and C.Bajo staves have a sixteenth-note triplet in the third measure.

57

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

61

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



65

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

69

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

73

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

77

CORO: Todos, todos por la Paz todos todos por la PAZ

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

81

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

85

Flautín

Musical staff for Flautín, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Flauta-1-2

Musical staff for Flauta-1-2, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Oboe-1-2

Musical staff for Oboe-1-2, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Clarinete Bb

Musical staff for Clarinete Bb, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Fagot-1C.Fg

Musical staff for Fagot-1C.Fg, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Cor-F-12

Musical staff for Cor-F-12, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Cor.F.3-4

Musical staff for Cor.F.3-4, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Trp.Bb-1

Musical staff for Trp.Bb-1, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Trp.Bb-2-3

Musical staff for Trp.Bb-2-3, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Trb-1-2

Musical staff for Trb-1-2, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Trb-Tba

Musical staff for Trb-Tba, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Perc-1-2

Musical staff for Perc-1-2, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Perc-3-4

Musical staff for Perc-3-4, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Timbales

Musical staff for Timbales, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

VI-1

Musical staff for VI-1, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

VI-2

Musical staff for VI-2, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Vla

Musical staff for Vla, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

Cello

Musical staff for Cello, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

C.Bajo

Musical staff for C.Bajo, showing a melodic line with eighth and sixteenth notes, some slurs, and a key signature change to two flats.

88

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

91

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo



94

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

97

Energía contra el ambre, energía contra el ambre, ACABEMOS CON LA AMBRUNA

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

101

This musical score page, numbered 101, features 18 staves for various instruments. The instruments listed are Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C. Bajo. The score is written in 4/4 time. The woodwind and brass sections (Fagot, Trb-1-2, Trb-Tba) have active parts starting at measure 101, with Trb-Tba featuring triplets and a sextuplet. The string section (VI-1, VI-2, Vla, Cello, C. Bajo) has a melodic line starting at measure 101. The percussion section (Perc-1-2, Perc-3-4, Timbales) has a rhythmic pattern starting at measure 101. The Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Cor-F-12, and Trp.Bb-1 parts are currently silent.

103

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

106

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

109

Flautin

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

112

The musical score for page 31, starting at measure 112, features the following instruments and their parts:

- Flautín**: Resting.
- Flauta-1-2**: Resting.
- Oboe-1-2**: Resting.
- Clarinete Bb**: Resting.
- Fagot-1C.Fg**: Active part with a melodic line.
- Cor-F-12**: Resting.
- Cor.F.3-4**: Resting.
- Trp.Bb-1**: Resting.
- Trp.Bb-2-3**: Resting.
- Trb-1-2**: Active part with a long sustained note.
- Trb-Tba**: Resting.
- Perc-1-2**: Active part with a rhythmic pattern of eighth notes.
- Perc-3-4**: Active part with a rhythmic pattern of eighth notes.
- Timbales**: Active part with a rhythmic pattern of eighth notes.
- Vl-1**: Active part with a melodic line.
- Vl-2**: Resting.
- Vla**: Resting.
- Cello**: Active part with a melodic line.
- C.Bajo**: Active part with a melodic line.

115

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo



118

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

121

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

V1-1

V1-2

Vla

Cello

C. Bajo

124

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo

127

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

130

This page of a musical score, titled "Polimuelle Celular Fractal", page 37, begins at measure 130. The score is arranged in a standard orchestral format with multiple staves. The instruments and their parts are as follows:

- Flautín:** A single staff with a treble clef, mostly containing rests.
- Flauta-1-2:** A single staff with a treble clef, playing a melodic line.
- Oboe-1-2:** A single staff with a treble clef, playing a melodic line.
- Clarinete Bb:** A single staff with a bass clef, playing a complex melodic line with many accidentals.
- Fagot-1C.Fg:** A single staff with a bass clef, playing a complex melodic line with many accidentals.
- Cor-F-12:** A single staff with a treble clef, playing a complex melodic line with many accidentals.
- Cor.F.3-4:** A single staff with a treble clef, playing a melodic line.
- Trp.Bb-1:** A single staff with a treble clef, playing a complex melodic line with many accidentals.
- Trp.Bb-2-3:** A single staff with a treble clef, playing a complex melodic line with many accidentals.
- Trb-1-2:** A single staff with a bass clef, playing a complex melodic line with many accidentals.
- Trb-Tba:** A single staff with a bass clef, playing a melodic line with some rests.
- Perc-1-2:** A single staff with a percussion clef, mostly containing rests.
- Perc-3-4:** A single staff with a bass clef, mostly containing rests.
- Timbales:** A single staff with a bass clef, mostly containing rests.
- VI-1:** A single staff with a treble clef, playing a complex melodic line with many accidentals.
- VI-2:** A single staff with a treble clef, playing a complex melodic line with many accidentals.
- Vla:** A single staff with an alto clef, playing a complex melodic line with many accidentals.
- Cello:** A single staff with a bass clef, playing a melodic line.
- C.Bajo:** A single staff with a bass clef, playing a melodic line.

RELATOR: <sup>133</sup> Reivindicamos a la Humanidad, El Motor de Gravedad maquina mecánica de energía útil

Flautín *Transforma el fenomen físico de gravedad en movimiento de Rotación r-Translación.*

Flauta-1-2

RELATOR Reivindicamos a la Humanidad, El Motor de Gravedad maquina mecánica de energía útil

Oboe-1-2 *Transforma el fenomen físico de gravedad en movimiento de Rotación r-Translación.*

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

136

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

139

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2 Guiro

Perc-3-4

Timbales

Vl-1

Vl-2

Vla

Cello

C.Bajo



142

Musical score for Polimuelle Celular Fractal, page 41, starting at measure 142. The score includes parts for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo.

The score is written in 3/4 time. The key signature has one flat (Bb). The percussion parts (Perc-1-2, Perc-3-4, Timbales) are marked with rests. The string parts (VI-1, VI-2, Vla, Cello, C.Bajo) and the brass parts (Trb-1-2, Trb-Tba) have active parts. The woodwind parts (Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3) are marked with rests.

The Trb-1-2 part features a melodic line with a slur and a fermata. The Trb-Tba part features a melodic line with a slur and a fermata. The Perc-1-2 part features a rhythmic pattern of eighth notes with a '3' above the first three notes of each group. The VI-1 and VI-2 parts feature a rhythmic pattern of eighth notes. The Vla part features a rhythmic pattern of eighth notes. The Cello and C.Bajo parts feature a melodic line with a slur and a fermata.

145

Musical score for Polimuelle Celular Fractal, page 42, starting at measure 145. The score includes staves for Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, Trb-Tba, Perc-1-2, Perc-3-4, Timbales, VI-1, VI-2, Vla, Cello, and C.Bajo. The percussion parts (Perc-1-2, Perc-3-4, Timbales) are mostly silent, with Perc-1-2 showing some rhythmic notation. The string parts (VI-1, VI-2, Vla, Cello, C.Bajo) and the lower brass parts (Trb-1-2, Trb-Tba) have active musical notation. The woodwinds (Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F-12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3) are mostly silent.

148

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

151

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

gliss

gliss

154

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C. Bajo

*f* *p*

157

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

160

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

163

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

3



166

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1C.Fg

Cor-F.12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

Vi-1

Vi-2

Vla

Cello

C.Bajo

The musical score consists of 15 staves. The first 12 staves are for woodwinds and brass: Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F.12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, and Trb-Tba. The next 4 staves are for percussion: Perc-1-2, Perc-3-4, and Timbales. The final 3 staves are for strings: Vi-1, Vi-2, Vla, Cello, and C.Bajo. The Cello and C.Bajo parts include a sixteenth-note sextuplet and a triplet. The Flautín, Flauta-1-2, Oboe-1-2, Clarinete Bb, Fagot-1C.Fg, Cor-F.12, Cor.F.3-4, Trp.Bb-1, Trp.Bb-2-3, Trb-1-2, and Trb-Tba parts have rests for the first two measures and then play a melodic line in the third measure. The Perc-1-2 part has rests for the first two measures and then plays a rhythmic pattern in the third measure. The Vi-1, Vi-2, and Vla parts play a melodic line throughout the three measures. The Cello and C.Bajo parts play a rhythmic pattern throughout the three measures.

169

Flautín

Flauta-1-2

Oboe-1-2

Clarinete Bb

Fagot-1 C.Fg

Cor-F-12

Cor.F.3-4

Trp.Bb-1

Trp.Bb-2-3

Trb-1-2

Trb-Tba

Perc-1-2

Perc-3-4

Timbales

VI-1

VI-2

Vla

Cello

C.Bajo

## DATOS DE LA OBRA

Esta sexta sinfonía, escrita en el año de 2008, en su estructura musical contiene el juego armónico unitario e independiente de las sonoridades por familias de la Orquesta Sinfónica.

Considerando lo subjetivo propio de la música, cada uno de los cuatro movimientos de esta sinfonía, trata de expresar la investigación físico-mecánica que he realizado desde muchos años atrás, respecto al motor de gravedad.

El trabajo que realizan los instrumentos en su balance sonoro, intenta ser similar entre ellos, aunque las fuerzas de tracción armónicas liberen las disonancias en suma total de caleidoscopio armónico sui géneris.

Los cuatro movimientos de esta Sexta Sinfonía contienen títulos específicos relacionados con el carácter que le han dado origen.

Primer Movimiento	<b>PROPULSOR</b>
Segundo Mov.	<b>ROTACIÓN</b>
Tercer Mov.	<b>TRANSLACIÓN</b>
Cuarto Mov.	<b>MÁQUINA MECÁNICA</b>

Fernando Cataño Mendoza  
2008

**NARRADOR**  
**CORO**

**MOTOR DE GRAVEDAD**  
**6ª SINFONÍA**

**Fernando Cataño Mendoza**

**2008**