

# In the beginning was - partitura

---

**Jakopović, Sara**

## **Supplement / Prilog**

*Publication year / Godina izdavanja:* **2023**

*Permanent link / Trajna poveznica:* <https://urn.nsk.hr/urn:nbn:hr:116:489237>

*Rights / Prava:* [In copyright](#)/[Zaštićeno autorskim pravom.](#)

*Download date / Datum preuzimanja:* **2024-12-05**



*Repository / Repozitorij:*

[Academy of Music University of Zagreb Digital Repository - DRMA](#)



Sara Jakopović

# In the beginning was...

za simfonijski orkestar i udaraljke

2023.

## ORCHESTRA:

3 fl.:

1° picc.

2° fl.

3° fl.

2 ob.:

1° ob.

2° c.a.

3 cl.:

1° cl. in Eb

2° cl. in Bb

3° b. cl.

3 bsn.:

1° bsn.

2° cbsn.

3° cbsn.

4 hn. in F

2 tpt. in Bb

3 tbn.:

1° tbn.

2° tbn.

3° b. tbn.

1 tba.

1 timp.

4 perc.:

1° crot., vib.

2° t. bl., bongos, congas, tom-t., b.d.

3° t.-t., cym.

4° susp. cym., glock.

1 cel.

1 pno.

2 hp.

16 vln. I

14 vln. II

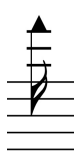
12 vla.

10 vlc.


8 ctb.

# Performance notes


## General




- highest note possible



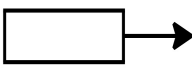
- perform as quickly as possible



- gradually play faster - the number of repetitions is not important




- gradually slow down - the number of repetitions is not important




- repeat the pattern

## Flute

f.t.




- flutter tongue



- tongue pizzicato


T.R.



- tongued ram  
- fingered  
- actual pitch


## Clarinet

f.t.



- flutter tongue


s.t.




- slap tongue

## Percussion

l.v. - let vibrate

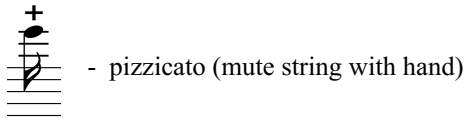


- dead stroke

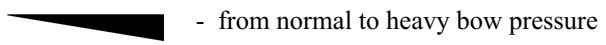
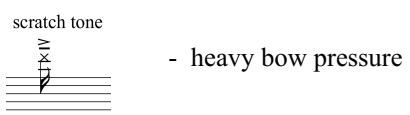
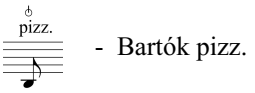


- bow instrument like a thunder sheet  
to get different noisy spectral sounds (improvisando)

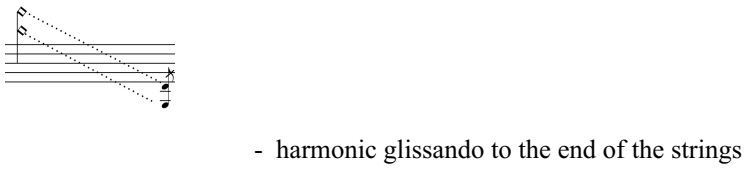
# Piano



# Strings



- ESP - extreme sul ponticello
- ST - sul tasto
- SP - sul ponticello



# I. The Big Bang

SCORE IN C

Sara Jakopović

**Aggressivo**

$\text{♩} = 150$

The score is organized into several systems of staves. The first system includes woodwinds: Piccolo, Flute, Oboe, Cor Anglais, Clarinet in Eb, Clarinet in Bb, Bass Clarinet in Bb, Bassoon, and Contrabassoon. The second system includes brass: Horn in F, Trumpet in Bb, Trombone, Bass Trombone, and Tuba. The third system includes percussion: Timpani (with rute sticks), Crotales, Vibraphone, Multipercussion set, Bass Drum, Tam-tam, Cymbals, and Glockenspiel. The fourth system includes Celesta and Piano. The fifth system includes Harp 1 and Harp 2. The final system includes strings: Violin I, Violin II, Viola, Violoncello, and Double Bass. The score is marked 'Aggressivo' with a tempo of 150 beats per minute. The Timpani part features a rhythmic pattern starting with a forte dynamic.

5

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

Detailed description: This is a page of a musical score, page 6, starting at measure 5. The score is arranged in a standard orchestral layout with multiple staves for each instrument. The instruments listed on the left are: Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in A (C. A.), Clarinet in E-flat (E♭ Cl.), Clarinet in B-flat (Cl.), Bass Clarinet (B. Cl.), Bassoon (Bsn.), Contrabassoon (Cbsn.), Horn (Hn.), Trumpet (Tpts.), Trombone (Tbn.), Bass Trombone (B. Tbn.), Tuba (Tba.), Timpani (Timp.), Crotales (Crot.), Vibraphone (Vib.), Percussion (perc.), Bells (B. D.), Triangle (T.-t.), Cymbals (Cym.), Glockenspiel (Glock.), Celeste (Cel.), Piano (Pno.), Harp (Hp. 1 and Hp. 2), Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.). The score shows musical notation for each instrument, including notes, rests, and dynamic markings. The Timpani part has a specific rhythmic pattern in the first two measures. The Bells part has a rhythmic pattern in the first two measures. The rest of the instruments have rests or are otherwise silent in this section.

This page of a musical score, numbered 7, contains the following instruments and parts:

- Woodwinds:** Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in A (C. A.), Clarinet in E-flat (E♭ Cl.), Clarinet in B-flat (B. Cl.), Bassoon (Bsn.), Contrabassoon (Cbsn.), Horn (Hn.), Trumpet (Tpts.), Trombone (Tbn.), Baritone Trombone (B. Tbn.), and Tuba (Tba.).
- Percussion:** Timpani (Timp.) with mallets, Crotales (Crot.), Vibraphone (Vib.), Percussion (perc.), Bass Drum (B. D.), Tom-tom (T.-t.), Cymbals (Cym.), and Glockenspiel (Glock.).
- Other Instruments:** Celesta (Cel.), Piano (Pno.), Harp 1 (Hp. 1), Harp 2 (Hp. 2), Violin 1 (Vln. I), Violin 2 (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.).

The score shows musical notation for the first four measures. The woodwinds and brass are mostly silent, indicated by rests. The timpani part features a melodic line starting in the first measure, marked with a forte (*f*) dynamic in the fourth measure. The bass drum has a rhythmic pattern of eighth notes with accents. The cymbals and glockenspiel have specific markings in the fourth measure, including a mezzo-forte (*mf*) dynamic and a fermata.



13

Picc. *fff*  
unis, sempre

Fl. *fff*

Ob. *fff*

C. A. *fff*

E♭ Cl. *fff*

Cl. *fff*

B. Cl. *fff*

Bsn. *fff*  
unis, sempre

Cbsn. *fff*  
unis, sempre

Hn. *fff*  
unis, sempre

Tpts. *fff*

Tbn. *fff*  
unis, sempre

B. Tbn. *fff*

Tba. *fff*

Timp. *fff*

Crot.

Vib.

perc. *fff*

B. D. *fff*

T.-t. *fff*

Cym. *fff*

Cym. *fff*

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I *fff*  
unis, sempre

Vln. II *fff*  
unis, sempre

Vla. *fff*  
unis, sempre

Vc. *fff*  
unis, sempre

Db. *fff*

17

This page of a musical score, numbered 17, contains staves for various instruments. The woodwind section includes Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Cor Anglais (C. A.), E-flat Clarinet (E♭ Cl.), Clarinet (Cl.), Bass Clarinet (B. Cl.), Bassoon (Bsn.), and Contrabassoon (Cbsn.). The brass section includes Horn (Hn.), Trumpets (Tpts.), Trombone (Tbn.), Bass Trombone (B. Tbn.), and Tuba (Tba.). The percussion section includes Timpani (Timp.), Crotales (Crot.), Vibraphone (Vib.), Percussion (perc.), Bass Drum (B. D.), Tom-tom (T.-t.), Cymbals (Cym.), Glockenspiel (Glock.), and Celesta (Cel.). The keyboard section includes Piano (Pno.), Harp 1 (Hp. 1), and Harp 2 (Hp. 2). The string section includes Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.). The score shows a complex arrangement of notes and rests across these instruments, with many parts featuring long, sweeping lines that span across the measures.

2/

Picc.  
Fl.  
Ob.  
C. A.  
E♭ Cl.  
Cl.  
B. Cl.  
Bsn.  
Cbsn.  
Hn.  
Tpts.  
Tbn.  
B. Tbn.  
Tba.  
Timp.  
Crot.  
Vib.  
perc.  
B. D.  
T.-t.  
Cym.  
Cym.  
Glock.  
Cel.  
Pno.  
Hp. 1  
Hp. 2  
Vln. I  
Vln. II  
Vla.  
Vc.  
Db.

25

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

*ff*

*ff*

29

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

33

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

*mf*

This page of a musical score, numbered 33, contains staves for various instruments. The woodwind section includes Piccolo, Flute, Oboe, Cor Anglais, E-flat Clarinet, Clarinet, Bass Clarinet, Bassoon, and Contrabassoon. The brass section includes Horns, Trumpets, Trombones, and Tuba. Percussion includes Timpani, Crotales, Vibraphone, and various mallet percussion instruments. The string section includes Violin I, Violin II, Viola, Violoncello, and Double Bass. The score shows a melodic line for woodwinds and brass starting in the third measure, marked *mf*. The percussion and string parts provide accompaniment throughout the page.

37

Picc. *fff*

Fl. *fff*

Ob. *fff*

C. A. *fff*

E♭ Cl. *fff*

Cl. *fff*

B. Cl. *fff*

Bsn. *fff*

Cbsn. *fff*

Hn. *fff*

Tpts. *fff*

Tbn. *fff*

B. Tbn. *fff*

Tba. *fff*

Timp. *fff*

Crot. -

Vib. -

perc. -

B. D. *fff*

T.-t. -

Cym. -

Cym. -

Glock. -

Cel. -

Pno. -

Hp. 1 -

Hp. 2 -

Vln. I *fff*

Vln. II *fff*

Vla. *fff*

Vc. *fff*

Db. *fff*

41

This page of a musical score, numbered 41, contains the following parts and staves:

- Woodwinds:** Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Cor Anglais (C. A.), E-flat Clarinet (E♭ Cl.), Clarinet (Cl.), Bass Clarinet (B. Cl.), Bassoon (Bsn.), and Contrabassoon (Cbsn.).
- Brass:** Horn (Hn.), Trumpets (Tpts.), Trombone (Tbn.), Bass Trombone (B. Tbn.), and Tuba (Tba.).
- Percussion:** Timpani (Timp.), Crotales (Crot.), Vibraphone (Vib.), Snare Drum (perc.), Bass Drum (B. D.), Tom-tom (T.-t.), Cymbals (Cym.), and Glockenspiel (Glock.).
- Keyboard:** Celesta (Cel.), Piano (Pno.), and Harp (Hp. 1, Hp. 2).
- Strings:** Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.).

The score is written in a common time signature (C) and features a variety of musical notations, including slurs, ties, and dynamic markings. The woodwinds and strings are playing sustained notes with long slurs, while the timpani part has a more active, rhythmic pattern.



45

Picc.  
Fl.  
Ob.  
C. A.  
E♭ Cl.  
Cl.  
B. Cl.  
Bsn.  
Cbsn.  
Hn.  
Tpts.  
Tbn.  
B. Tbn.  
Tba.  
Timp.  
Crot.  
Vib.  
perc.  
B. D.  
T.-t.  
Cym.  
Cym.  
Glock.  
Cel.  
Pno.  
Hp. 1  
Hp. 2  
Vln. I  
Vln. II  
Vla.  
Vc.  
Db.

49

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

53

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

*pizz.*

*fff*

57

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

61

Picc. *ff*

Fl. *ff*

Ob. *ff*

C. A. *ff*

E♭ Cl. *ff*

Cl. *ff*

B. Cl. *ff*

Bsn. *ff*

Cbsn. *ff*

Hn. *ff*

Tpts. *ff*

Tbn. *ff*

B. Tbn. *ff*

Tba. *ff*

Timp. *ff*

Crot. *ff*

Vib. *ff*

perc. *ff*

B. D. *ff*

T.-t. *ff*

Cym. *ff*

Cym. *ff*

Glock. *ff*

Cel. *ff*

Pno. *ff*

Hp. 1 *ff*

Hp. 2 *ff*

Vln. I *ff* (pizz.)

Vln. II *ff* (pizz.)

Vla. *ff* (pizz.)

Vc. *ff* (pizz.)

Db. *ff* (pizz.)

65

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

69

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. arco Db.

73

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

*f*, *ff*, *pizz.*



77

Picc. Fl. Ob. C. A. E♭ Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

The musical score for page 24, starting at measure 77, is arranged in a standard orchestral format. The instruments listed on the left are: Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in A (C. A.), E-flat Clarinet (E♭ Cl.), Clarinet (Cl.), Bass Clarinet (B. Cl.), Bassoon (Bsn.), Contrabassoon (Cbsn.), Horn (Hn.), Trumpet (Tpts.), Trombone (Tbn.), Bass Trombone (B. Tbn.), Tuba (Tba.), Timpani (Timp.), Crotales (Cro.), Vibraphone (Vib.), Percussion (perc.), Bass Drum (B. D.), Tom-tom (T.-t.), Cymbals (Cym.), Glockenspiel (Glock.), Celesta (Cel.), Piano (Pno.), Harp 1 (Hp. 1), Harp 2 (Hp. 2), Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.). The score shows various musical notations including rests, notes, and dynamic markings such as *ff* (fortissimo) for the cymbals. The Timpani part is particularly active, featuring a complex rhythmic pattern with accents. The Cymbals part has a long sustained note marked *ff*. The Percussion part shows a snare drum pattern with accents.



85

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn.

Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Croc. Vib.

perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1. Hp. 2.

Vln. I Vln. II Vla. Vc. Db.

*fff*

89

Picc. *fff sempre*

Fl. *fff sempre*

Ob. *fff sempre*

C. A. *fff sempre*

E♭ Cl. *fff sempre*

Cl. *fff sempre*

B. Cl. *fff sempre*

Bsn. *fff sempre*

Cbsn. *fff sempre*

Hn. *fff sempre*

Tpts. *fff sempre*

Tbn. *fff sempre*

B. Tbn. *fff sempre*

Tba. *fff sempre*

Timp. *fff sempre*

Crot. *fff sempre*

Vib. *fff*

perc. *fff sempre*

B. D. *fff sempre*

T.-t. *fff sempre*

Cym. *fff sempre*

Cym. *fff sempre*

Glock. *fff sempre*

Cel. *fff*

Pno. *fff sempre*

Hp. 1 *fff*

Hp. 2 *fff*

Vln. I *fff sempre* arco *pizz.*

Vln. II *fff sempre* arco *pizz.*

Vla. *fff sempre* arco *pizz.*

Vc. *fff sempre* arco *pizz.*

Db. *fff sempre* arco *pizz.*

93

Picc.

Fl.

Ob.

C. A.

B♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. I

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

*fff*

*arco*

*fff*

*fff*

## II. The String(s) Theory

**Otherworldly** ♩=60

**Woodwinds:** Piccolo, Flute, Oboe, Cor Anglais, Clarinet in E $\flat$ , Clarinet in B $\flat$ , Bass Clarinet in B $\flat$ , Bassoon, Contrabassoon.

**Brass:** Horn in F, Trumpet in B $\flat$ , Trombone, Bass Trombone, Tuba.

**Percussion:** Timpani, Crotales, Vibraphone (with bow, *PPP*, Lv.), Multipercussion set, Bass Drum, Tam-tam, Cymbals, Glockenspiel.

**Other Instruments:** Celesta, Piano, Harp 1, Harp 2.

**String Section:** Violin I, Violin II, Viola, Violoncello, Double Bass.

**Performance Instructions for Strings:** *PPP*, *ESP*, *unis.*, *div. ord.*, *with bow*, *Lv.*, *mute the piano strings*.

5

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

This page of a musical score, page 31, contains the following instruments and parts:

- Woodwinds:** Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Cor Anglais (C. A.), E-flat Clarinet (E♭ Cl.), Clarinet (Cl.), Bass Clarinet (B. Cl.), Bassoon (Bsn.), and Contrabassoon (Cbsn.).
- Brass:** Horns (Hn.), Trumpets (Tpts.), Trombones (Tbn.), Baritone Trombone (B. Tbn.), and Tuba (Tba.).
- Percussion:** Timpani (Timp.), Crotales (Crot.), Vibraphone (Vib.), Percussion (perc.), Bass Drum (B. D.), Tom-tom (T.-t.), Cymbals (Cym.), and Glockenspiel (Glock.).
- Keyboard:** Celesta (Cel.), Piano (Pno.), and Harp (Hp. 1, Hp. 2).
- Strings:** Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.).

Key performance markings include *p* (piano), *PPP* (pianissimo), and *unis. sempre* (unison throughout). The score shows complex textures with many notes and rests across the various instruments.



This page of a musical score (page 32) features a variety of instruments and vocal parts. The woodwind section includes Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Cor Anglais (C. A.), E-flat Clarinet (Eb Cl.), Clarinet (Cl.), Bass Clarinet (B. Cl.), Bassoon (Bsn.), and Contrabassoon (Cbsn.). The brass section consists of Horns (Hn.), Trumpets (Tpts.), Trombone (Tbn.), Bass Trombone (B. Tbn.), and Tuba (Tba.). The percussion section includes Timpani (Timp.), Crotales (Crot.), Vibraphone (Vib.), and various other percussion instruments: Bells (perc.), Bass Drum (B. D.), Tom-tom (T.-t.), Cymbals (Cym.), and Glockenspiel (Glock.). The string section includes Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.).

Key performance instructions and dynamics include:

- Woodwinds:** Flute, Oboe, Cor Anglais, E-flat Clarinet, and Clarinet parts feature a melodic line starting at measure 14, marked with *p* and *ppp*. The Bass Clarinet part includes the instruction "play and sing".
- Brass:** Horns and Trumpets have melodic lines with "play and sing" instructions and "Mmm" vocalizations. Dynamics range from *p* to *pp*.
- Percussion:** The Vibraphone part includes the instruction "with bow" and a *ppp* dynamic marking.
- Strings:** Violin I and II parts feature a dense texture of chords, marked with *ppp* and "unis." (unison). The Viola and Violoncello parts also feature *ppp* dynamics.
- Other:** The Piccolo part has a melodic line starting at measure 14, marked with *p* and *ppp*. The Glockenspiel part has a melodic line starting at measure 14, marked with *p*.

18

Picc. *go from fundamentals to as high as possible in the harmonic series and then back*

Fl. *p*

Ob. *f.t.* *ppp* *p* *f.t.* *ppp* *p* *f.t.*

C. A. *ppp* *p* *ppp* *p* *ppp* *p*

E♭ Cl. *f.t.* *ppp* *p* *f.t.* *ppp* *p* *f.t.* *ppp* *p* *f.t.*

Cl. 181 *ppp*

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib. *with bow, l.v.* *p*

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc. *ESP* *p*

Db. *unis. ESP* *simile* *p* *IV III II I*

21

Picc. go from fundamentals to as high as possible in the harmonic series and then back

Fl. *p*

Ob. *ppp* *p* f.t.

C. A. *ppp* *p* f.t.

E♭ Cl. *ppp* *p* f.t.

Cl. 192 go from fundamentals to harmonic tones and then back

B. Cl.

Bsn.

Cbsn.

Hn. *mf* Mmm

Tpts. *mf* Mmm

Tbn.

B. Tbn.

Tba.

Timp.

Crot. *p*

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

(on the string)

Pno. *mp*

Hp. 1

Hp. 2

Vln. I *ppp* div. (ESP)

Vln. II *ppp* div. (ESP)

Vla. *ppp*

Vc. *f* *p*

Db.

23

Picc. go from fundamentals to as high as possible in the harmonic series and then back

Fl. *p*

Ob.

C. A.

E♭ Cl. go from fundamentals to harmonic tones and then back

Cl. 158 *mf*

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot. *f* Bow a crotales like a thunder sheet. Result: noisy spectral sound.

Vib.

perc.

B. D.

T.-t.

Cym. Bow a cymbal like a thunder sheet. Result: noisy spectral sound.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I *ppp*

Vln. II *ppp*

Vla. *ppp*

Vc. *p*

Db.

ord

SF ST

25

Picc. Fl. Ob. C. A. E♭ Cl. Cl. B. Cl. Bsn. Cbsn.

Hn. *ff* Tpts. *ff* Tbn. B. Tbn. Tba.

Timp. *f* Croc. *p* Vib. *p*

perc. B. D. T.-t. Cym. Cym. Glock. *p* Cel. *mf* *mf*

Pno. *mf* *mf*

Hp. 1 Hp. 2

Vln. I *ord.* Vln. II *ord.* Vla.

as fast as possible

Db. *mf* *ord.* *f* *p*

29

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Croc. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Db.

as fast as possible

ord. wide vibrato

*f* *pp* *f* wide vibrato

33

Picc. Fl. Ob. C. A. E♭ Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Croc. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

col legno battuto, irregular jeté  
col legno battuto, irregular jeté  
ord.  
col legno battuto, irregular jeté  
col legno battuto  
ord.  
pizz.  
arco  
pizz.

37

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

spectral

f

ord.

f

arco

f

ESP

ppp

Detailed description of the musical score: The score is for page 39 of a symphony. It features a full orchestral complement. The woodwind section includes Piccolo, Flute, Oboe, Cor Anglais, E-flat Clarinet, Clarinet, Bass Clarinet, Bassoon, and Contrabassoon. The brass section includes Horns, Trumpets, Trombones, and Tuba. The percussion section includes Timpani, Crotales, Vibraphone, and various mallet percussion instruments. The keyboard section includes Celesta and Piano. The string section includes Violins I and II, Viola, Violoncello, and Double Bass. The score includes a 'spectral' effect in the Bass Clarinet part, a 'ppp' section in the Violoncello part, and various dynamic markings such as 'f' and 'arco'.





45

Picc. 15" 15" 15" 15"

Fl. 15" 15" 15" 15"

Ob. 15" 15" 15" 15"

C. A. 15" 15" 15" 15"

E♭ Cl. 15" 15" 15" 15"

Cl. 15" 15" 15" 15"

B. Cl. 15" 15" 15" 15"

Bsn. 15" 15" 15" 15"

Cbsn. 15" 15" 15" 15"

Hn. 15" 15" 15" 15"

Tpts. 15" 15" 15" 15"

Tbn. 15" 15" 15" 15"

B. Tbn. 15" 15" 15" 15"

Tba. 15" 15" 15" 15"

Timp. 15" 15" 15" 15"

Crot. 15" *f* 15" 15" 15" 15"  
 Bow crotales like a thunder sheet.  
 Result: noisy spectral sound.  
 45"

Vib. 15" 15" 15" 15"

perc. 15" 15" 15" 15"

B. D. 15" 15" 15" 15"

T.-t. 15" 15" 15" 15"

Cym. 15" 15" 15" 15"

Cym. 15" *f* 15" 15" 15" 15"  
 Bow a cymbal and music stand like a thunder sheet.  
 Result: noisy spectral sound.  
 1'

Glock. 15" 15" 15" 15"

Cel. 15" 15" 15" 15"

Pno. 15" 15" 15" 15"  
 30"  
 superball mallet glissando on a few strings, then on the struts

Hp. 1 15" 15" 15" 15"

Hp. 2 15" 15" 15" 15"

Vln. I 15" *p* 15" 15" 15"

Vln. II 15" *p* 15" 15" 15"

Vla. 15" *p* 15" 15" 15"

Vc. 15" 15" 15" 15"

Db. 15" 15" 15" 15"



53

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Croc. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

57

Picc. *ppp*  $\text{B}^{\flat}$

Fl. *ppp*  $\text{B}^{\flat}$

Ob. *ppp*  $\text{B}^{\flat}$

C. A. *ppp*  $\text{B}^{\flat}$

E $\flat$  Cl. *ppp*  $\text{B}^{\flat}$

Cl. *ppp*  $\text{B}^{\flat}$

B. Cl. *ppp*  $\text{B}^{\flat}$

Bsn. *ppp*  $\text{B}^{\flat}$

Cbsn. *ppp*  $\text{B}^{\flat}$

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I *ppp*  $\text{B}^{\flat}$  div. ord.  $\text{ESP}$

Vln. II *ppp*  $\text{B}^{\flat}$  div. ord.  $\text{ESP}$

Vla. *ppp*  $\text{B}^{\flat}$  div. ord.

Vc.  $\text{B}^{\flat}$

Db.  $\text{B}^{\flat}$



65

Picc. *ppp*

Fl. *ppp*

Ob. *ppp*

C. A. *ppp*

E♭ Cl. *ppp*

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib. *ppp*

perc.

B. D.

T.-t.

Cym.

Cym.

Glock. *ppp*

Cel. *ppp*

Pno. *ppp*

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

69

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.



### III. Plucking Constant

*1* **Nervoso**  $\text{♩} = 140$

**Instrumentation and Dynamics:**

- Piccolo:** *1* **Nervoso**  $\text{♩} = 140$ . Dynamics: *p*, *ff*.
- Flute:** *unis. sempre*. Dynamics: *p*, *ff*.
- Oboe:** Dynamics: *p*, *ff*.
- Cor Anglais:** Dynamics: *p*, *ff*.
- Clarinet in Eb:** Dynamics: *ff*.
- Clarinet in Bb:** Dynamics: *ff*.
- Bass Clarinet in Bb:** Dynamics: *ff*.
- Bassoon:** Dynamics: *ff*.
- Contrabassoon:** Dynamics: *ff*.
- Horn in F:** Dynamics: *ff*.
- Trumpet in Bb:** Dynamics: *ff*.
- Trombone:** Dynamics: *ff*.
- Bass Trombone:** Dynamics: *ff*.
- Tuba:** Dynamics: *ff*.
- Timpani:** Dynamics: *ff*.
- Crotales:** Dynamics: *ff*.
- Vibraphone:** Dynamics: *p*.
- Multipercussion set:** Dynamics: *ff*.
- Bass Drum:** Dynamics: *ff*.
- Tam-tam:** Dynamics: *ff*.
- Cymbals:** Dynamics: *ff*.
- Glockenspiel:** Dynamics: *ff*.
- Celesta:** Dynamics: *ff*.
- Piano:** Dynamics: *ff*.
- Harp 1:** Dynamics: *ff*.
- Harp 2:** Dynamics: *ff*.
- Violin I:** **Nervoso**  $\text{♩} = 140$ . Dynamics: *ff*. Instructions: *unis. sempre*, *pizz.*
- Violin II:** Dynamics: *ff*. Instructions: *unis. sempre*, *pizz.*
- Viola:** Dynamics: *ff*. Instructions: *unis. sempre*, *pizz.*
- Violoncello:** Dynamics: *ff*. Instructions: *unis. sempre*, *pizz.*
- Double Bass:** Dynamics: *ff*. Instructions: *unis. sempre*, *pizz.*

5

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

*p*

*ff sempre*

*p*

*ff sempre*

*p*

*ff sempre*

*ff sempre*

*ff sempre*

*ff*

*ff*

*ff*

*ff*

*ff*

*ff*

*ff*

*ff*

♢ pizz.

*ff*

♢ pizz.

*ff*

♢ pizz.

*ff*

♢ pizz.

*ff*

♢ pizz.

*ff*

*ff*

9

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Croc. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

*ff sempre*

*ff sempre*

3/16 5/8

14

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

*p*

*f*

*ff*

18

Picc. *ff*

Fl. *ff*

Ob. *ff*

C. A. *ff*

E♭ Cl. *ff*

Cl. *ff*

B. Cl. *ff*

Bsn. *ff*

Cbsn. *ff*

Hn. *ff*  
unis. sempre

Tpts. *ff*

Tbn. *ff*  
unis. sempre

B. Tbn. *ff*

Tba. *ff*

Timp. *ff*

Crot. *ff*

Vib. *ff*

perc. *ff*

B. D. *ff*

T.-t. *ff*

Cym. *ff*

Glock. *ff*

Cel. *ff*

Pno. *ff*

Hp. 1 *ff*

Hp. 2 *ff*

Vln. I *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff*

Db. *ff*

22

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Croc. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1. Hp. 2. Vln. I. Vln. II. Vla. Vc. Db.

*p* *ff sempre* *ff* *ord. scratch tone* *p* *ff sempre* *ord. scratch tone* *ff sempre* *ord. scratch tone* *ff sempre* *ord.* *ord.* *ff sempre* *ff sempre*

26

Picc. *ff sempre*

Fl. *ff sempre*

Ob. *ff sempre*

C. A. *ff sempre*

E♭ Cl. *ff sempre*

Cl. *ff sempre*

B. Cl.

Bsn.

Cbsn.

Hn. *ff sempre*

Tpts. *ff sempre*

Tbn. *ff sempre*

B. Tbn.

Tba.

Timp. *ff*

Crot.

Vib.

perc.

B. D. *ff*

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I *ESP*

Vln. II *ESP*

Vla. *ESP* scratch tone

Vc. *ESP*

Db.

30

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

*ff sempre*

ord.

ord.

pizz.

pizz.

pizz.



34

Picc. *jet*

Fl. *jet*

Ob. *s.t.*

C. A. *s.t.*

E♭ Cl. *s.t.*

Cl. *s.t.*

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D. *ff*

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla. *ord. arco*

Vc. *(pizz.)*

Db. *(pizz.)*

*ff sempre*

*ff*

*pizz.*

38

The musical score is written in 4/4 time and begins at measure 38. The instrumentation includes:

- Woodwinds:** Piccolo, Flute, Oboe, Clarinet in A, E-flat Clarinet, Clarinet, Bass Clarinet, Bassoon, Contrabassoon.
- Brass:** Horns, Trumpets, Trombones, Tuba.
- Timpani:** Timpani, Crotales, Vibraphone.
- Percussion:** Percussion, Bass Drum, Tom-tom, Cymbals, Glockenspiel.
- Keyboard:** Celesta, Piano.
- Strings:** Violin I, Violin II, Viola, Violoncello, Double Bass.

Key performance markings include *ord.* (ordinaria), *pizz.* (pizzicato), and *arco*. A dynamic marking of *ff* (fortissimo) is present in the Percussion part at measure 42. The score features complex rhythmic patterns and melodic lines across multiple staves.

42

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

pizz.

pizz.

pizz.

(pizz.)

(pizz.)

46

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

s.t.

Vcl.

50

Picc. *fff*

Fl. *fff*

Ob. *fff*

C. A. *fff*

E♭ Cl. *fff*

Cl. *fff*

B. Cl. *fff*

Bsn. *fff*

Cbsn. *fff*

Hn. *fff*

Tpts. *fff*

Tbn. *fff*

B. Tbn. *fff*

Tba. *fff*

Timp.

Crot.

Vib.

perc. *fff*

B. D. *fff*

T.-t.

Cym. *fff*

Cym.

Glock.

Cel.

Pno. *fff*

Hp. 1 *fff*

Hp. 2 *fff*

Vln. I *fff* arco

Vln. II *fff* arco

Vla. *fff* arco

Vc. *fff* arco

Db. *fff* arco

54

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

fff

ESP

arco

+

57  $\text{♩} = 60$

Picc. *mf*

Fl. T.R.

Ob. *mf*

C. A. *mf*

E♭ Cl.

Cl. s.t.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.  $\text{♩} = 60$  *p*

Crot.

Vib. *p*

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel. Lv.

Pno. *p*

Hp. 1

Hp. 2

Vln. I.  $\text{♩} = 60$  l.v. pizz. *p* col legno battuto

Vln. II. l.v. pizz. *p* col legno battuto

Vla. l.v. pizz. *p* col legno battuto

Vc. l.v. pizz. (pizz.) *p* col legno battuto

Db. l.v. pizz.





63

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

*mf*

*f*

*p*

*ord.*

67

Picc. Fl. Ob. C. A. E♭ Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

71

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Crot. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

75

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

79

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Crotales Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

83

Picc. *f*

Fl. *f*

Ob. *f*

C. A. *f*

E♭ Cl. *f*

Cl. *f*

B. Cl. *f*

Bsn. *f*

Cbsn. *f*

Hn. *f*

Tpts. *f*

Tbn. *f*

B. Tbn. *f*

Tba. *f*

Timp. *f*

Crot. *f*

Vib. *f*

perc. *f*

B. D. *ff*

T.-t. *f*

Cym. *f*

Cym. *f*

Glock. *f*

Cel. *f*

Pno. *ff*

Hp. 1

Hp. 2

Vln. I *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff*

Db. *ff*

87

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

The musical score for page 87 consists of 32 staves. The top 28 staves are for woodwinds and brass instruments, all of which have rests throughout the page. The 29th and 30th staves are for Cello (Cel.) and Piano (Pno.), which feature melodic lines with slurs and dynamic markings. The 31st and 32nd staves are for Harp 1 (Hp. 1) and Harp 2 (Hp. 2), both of which have rests. The bottom 4 staves are for Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), and Violoncello (Vc.), all of which have rests. The double bass (Db.) staff at the very bottom also has a rest.

91

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.



96

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

98

Picc. *p* *ff* *ff*

Fl. *p* *ff* *ff*

Ob. *p* *ff* *ff*

C. A. *p* *ff* *ff*

E♭ Cl. *ff*

Cl. *ff*

B. Cl. *ff*

Bsn. *ff*

Cbsn. *ff*

Hn. *p* *ff* *ff*

Tpts. *p* *ff* *ff*

Tbn. *ff*

B. Tbn. *ff*

Tba. *ff*

Timp. *ff*

Crot.

Vib.

perc.

B. D.

T.-t. *f* l.v.

Cym.

Cym.

Glock.

Cel.

Pno. *ff* *ff*

Hp. 1

Hp. 2

Vln. I *pp* *ff*

Vln. II *pp* *ff*

Vla. *pp* *ff* scratch tone

Vc. *pp* pizz.

Db. *pp* pizz.

rapid scrape on the outside edge of tam-tam with a triangle beater

103

Picc. *pp*

Fl. *pp*

Ob. *pp*

C. A. *pp*

E♭ Cl. *pp*

Cl. *pp*

B. Cl. *pp*

Bsn. *pp*

Cbsn. *f*

Hn. *pp*

Tpts. *pp*

Tbn. *pp*

B. Tbn. *pp*

Tba. *pp*

Timp.

Crot.

Vib. *pp* simile con ped.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock. *pp*

Cel. *pp*

Pno. *pp*

Hp. 1 *pp*

Hp. 2 *pp*

Vln. I ord. *pp*

Vln. II ord. *pp*

Vla. ord. *pp*

Vc. ord. *pp* *f*

Db. *pp*

107

Picc. *mf*

Fl. *mf*

Ob. *mf*

C. A. *mf*

E♭ Cl. *mf*

Cl. *mf*

B. Cl. *mf*

Bsn. *mf*

Cbsn. *mf*

Hn. *mf*

Tpts. *mf*

Tbn. *mf*

B. Tbn. *mf*

Tba. *mf*

Timp.

Crot.

Vib. *mf*

perc.

B. D.

T.-t.

Cym.

Cym.

Glock. *f*

Cel. *f*

Pno. *f*

Hp. 1 *f*

Hp. 2 *f*

Vln. I *mf*

Vln. II *mf*

Vla. *mf*

Vc. *mf*

Db. *mf*

This page of a musical score, numbered 76, contains the following instruments and parts:

- Woodwinds:** Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in A (C. A.), Clarinet in E-flat (E♭ Cl.), Clarinet in B-flat (B. Cl.), Bassoon (Bsn.), and Contrabassoon (Cbsn.).
- Brass:** Horns (Hn.), Trumpets (Tpts.), Trombone (Tbn.), Baritone Trombone (B. Tbn.), and Tuba (Tba.).
- Percussion:** Timpani (Timp.), Crotales (Crot.), Vibraphone (Vib.), Percussion (perc.), Bass Drum (B. D.), Tom-tom (T.-t.), Cymbals (Cym.), and Glockenspiel (Glock.).
- Keyboard:** Piano (Pno.), Harp 1 (Hp. 1), and Harp 2 (Hp. 2).
- Strings:** Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.).

The score is divided into four measures. The woodwind and brass sections feature a prominent *f* (forte) dynamic marking in the second measure. The piano part includes complex chordal textures with a '5' fingering and a fermata in the second measure. The harp parts are marked with a '\*' and a '5' fingering. The string section is mostly silent, with some activity in the lower registers.

115

Picc. *pp*

Fl. *pp*

Ob. *pp*

C. A. *pp*

E♭ Cl. *pp*

Cl. *pp*

B. Cl. *pp*

Bsn. *pp*

Cbsn. *pp*

Hn. *pp*

Tpts. *pp*

Tbn. *pp*

B. Tbn. *pp*

Tba. *pp*

Timp.

Crot.

Vib. *p*

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno. *p*

Hp. 1 *p*

Hp. 2 *p*

Vln. I *pp*

Vln. II *pp*

Vla. *pp*

Vc. *pp*

Db. *pp*



# IV. Dark Matter

Misterioso  $\text{♩} = 54$

Piccolo

Flute

Oboe

Cor Anglais

Clarinet in E $\flat$

Clarinet in B $\flat$

Bass Clarinet in B $\flat$

Bassoon

Contrabassoon

Horn in F

Trumpet in B $\flat$

Trombone

Bass Trombone

Tuba

Misterioso  $\text{♩} = 54$

Timpani

Crotales

Vibraphone

Multipercussion set

Bass Drum

Tam-tam

Cymbals

Cymbals

Glockenspiel

Celesta

Piano

Harp 1

Harp 2

Misterioso  $\text{♩} = 54$

Violin I

Violin II

Viola

Violoncello

Double Bass





This page of a musical score contains the following instruments and parts:

- Picc.**: Piccolo
- Fl.**: Flute
- Ob.**: Oboe
- C. A.**: Clarinet in A
- E♭ Cl.**: Clarinet in E-flat
- Cl.**: Clarinet
- B. Cl.**: Bass Clarinet
- Bsn.**: Bassoon
- Cbsn.**: Contrabassoon
- Hn.**: Horns (with *unis. sempre* marking)
- Tpts.**: Trumpets (with *unis. sempre* marking)
- Tbn.**: Trombone
- B. Tbn.**: Baritone Trombone
- Tba.**: Tuba
- Timp.**: Timpani
- Crot.**: Crotales
- Vib.**: Vibraphone
- perc.**: Percussion
- B. D.**: Bass Drum
- T.-t.**: Tom-toms
- Cym.**: Cymbals (with *p* and *f* dynamics)
- Glock.**: Glockenspiel
- Cel.**: Celesta
- Pno.**: Piano
- Hp. 1**: Harp 1
- Hp. 2**: Harp 2
- Vln. I**: Violin I (with *unis. sempre* marking)
- Vln. II**: Violin II (with *unis. sempre* marking)
- Vla.**: Viola (with *unis. sempre* marking)
- Vc.**: Violoncello
- Db.**: Double Bass



17

Picc.  
Fl.  
Ob.  
C. A.  
E♭ Cl.  
Cl.  
B. Cl.  
Bsn.  
Cbsn.  
Hn.  
Tpts.  
Tbn.  
B. Tbn.  
Tba.  
Timp.  
Crot.  
Vib.  
perc.  
B. D.  
T.-t.  
Cym.  
Cym.  
Glock.  
Cel.  
Pno.  
Hp. 1  
Hp. 2  
Vln. I  
Vln. II  
Vla.  
Vc.  
Db.

pizz.  
pizz.

21

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc. arco

Db. arco

25

Picc. *ff* unis. sempre

Fl. *ff*

Ob. *ff*

C. A. *ff*

E♭ Cl. *ff*

Cl. *ff*

B. Cl. *ff*

Bsn. *ff*

Cbsn. *ff*

Hn. *ff*

Tpts. *ff*

Tbn. *ff*

B. Tbn. *ff*

Tba. *ff*

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Glock.

Cel.

Pno. *ff*

Hp. 1 *ff*

Hp. 2 *ff*

Vln. I *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff*

Db. *ff*

29

Picc. *ff*

Fl. *ff*

Ob. *ff*

C. A. *ff*

E♭ Cl. *ff*

Cl. *ff*

B. Cl. *ff*

Bsn. *ff*

Cbsn. *ff*

Hn. *ff*

Tpts. *ff*

Tbn. *ff*

B. Tbn. *ff*

Tba. *ff*

Timp. *ff*

Crot. *ff*

Vib. *ff*

perc. *ff*

B. D. *ff*

T.-t. *ff*

Cym. *ff*

Cym. *ff*

Glock. *ff*

Cel. *ff*

Pno. *ff*

Hp. 1 *ff*

Hp. 2 *ff*

Vln. I *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff*

Db. *ff*

*ff sord.*

32

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1. Hp. 2. Vln. I. Vln. II. Vla. Vc. Db.

The score is divided into four measures. The woodwind and brass sections (Piccolo, Flute, Oboe, Clarinets, Bassoon, and Trombones) are mostly silent, with some instruments like the Bassoon and Trombones having long slurs. The percussion section is highly active, featuring triplets in the Timpani, Crotales, and Vibraphone, and a complex rhythmic pattern in the Snare Drum and Congas. The strings (Violins, Viola, Violoncello, and Double Bass) play a steady, rhythmic accompaniment with slurs. Dynamic markings include *ff* (fortissimo) and *mf* (mezzo-forte).



36

Picc. *fff* *f.t.*

Fl. *fff* *f.t.*

Ob. *fff* *f.t.*

C. A. *fff* *f.t.*

E♭ Cl. *fff* *f.t.*

Cl. *fff* *f.t.*

B. Cl. *fff* *f.t.*

Bsn. *fff* *f.t.*

Cbsn. *fff* *f.t.*

Hn. *fff* *f.t.*

Tpts. *fff* *f.t.*

Tbn. *fff* *f.t.*

B. Tbn. *fff* *f.t.*

Tba. *fff* *f.t.*

Timp. *v* *3*

Crot. *v*

Vib. *v*

perc. *v*

B. D. *mf*

T.-t. *v*

Cym. *mf*

Glock. *mf*

Cel. *v* *5*

Pno. *v* *7*

Hp. 1 *v*

Hp. 2 *v* *5*

Vln. I *fff*

Vln. II *fff*

Vla. *fff*

Vc. *fff*

Db. *fff*

7/32

40

Picc. Fl. Ob. C. A. E♭ Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Crot. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

Measures 40, 41, 42, 43 are shown. The score includes various musical notations such as rests, notes, and dynamic markings like *fff* and *pizz.*

44

Picc. Fl. Ob. C. A. E♭ Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Cro. Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

48

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

52

Picc. *mf*

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn. *mf*

Cbsn. *mf*

Hn. *mf*

Tpts. *mf*

Tbn. *mf*

B. Tbn. *mf*

Tba. *mf*

Timp. *p*

Crot.

Vib.

perc.

B. D. *p*

T.-t.

Cym. *p*

Glock.

Cel.

Pno. *mf*

Hp. 1 *mf*

Hp. 2 *mf*

Vln. I *mf*

Vln. II *mf*

Vla. *mf*

Vc. *mf* arco

Db. *mf*

7/32

56

Picc. Fl. Ob. C. A. Eb Cl. Cl. B. Cl. Bsn. Cbsn. Hn. Tpts. Tbn. B. Tbn. Tba. Timp. Crotales Vib. perc. B. D. T.-t. Cym. Cym. Glock. Cel. Pno. Hp. 1 Hp. 2 Vln. I Vln. II Vla. Vc. Db.

Measures 32, 33, 34, 35 are marked with time signatures 3/2, 7/2, 3/2, 7/2.

Dynamic markings include *f*, *ff*, *p*, and *pizz.*

60

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

64

This page of a musical score, numbered 64, contains 28 staves for various instruments. The score is divided into four measures, with time signatures changing from 3/2 to 4/4 and back to 3/2. The instruments listed on the left are: Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in A (C. A.), E-flat Clarinet (E♭ Cl.), Clarinet (Cl.), Bass Clarinet (B. Cl.), Bassoon (Bsn.), Contrabassoon (Cbsn.), Horn (Hn.), Trumpet (Tpts.), Trombone (Tbn.), Bass Trombone (B. Tbn.), Tuba (Tba.), Timpani (Timp.), Crotales (Crot.), Vibraphone (Vib.), Percussion (perc.), Bass Drum (B. D.), Tom-tom (T.-t.), Cymbal (Cym.), Gong (Glock.), Celesta (Cel.), Piano (Pno.), Harp 1 (Hp. 1), Harp 2 (Hp. 2), Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Db.). The woodwind and brass sections are mostly silent, indicated by rests. The percussion section features a rhythmic pattern of eighth notes on the crotales and bass drum. The vibraphone and celesta play melodic lines. The piano part consists of a complex texture with multiple voices in both hands, including a prominent melodic line in the right hand and a more active bass line in the left hand.



68

Picc.

Fl.

Ob.

C. A.

E♭ Cl.

Cl.

B. Cl.

Bsn.

Cbsn.

Hn.

Tpts.

Tbn.

B. Tbn.

Tba.

Timp.

Crot.

Vib.

perc.

B. D.

T.-t.

Cym.

Cym.

Glock.

Cel.

Pno.

Hp. 1

Hp. 2

Vln. I

Vln. II

Vla.

Vc.

Db.

arco

arco



76

Picc. *ff* *ft.*

Fl. *ff* *ft.*

Ob. *ff* *ft.*

C. A. *ff* *ft.*

E♭ Cl. *ff* *ft.*

Cl. *ff* *ft.*

B. Cl. *ff* *ft.*

Bsn. *ff* *ft.*

Cbsn. *ff* *ft.*

Hn. *ff* *ft.*

Tpts. *ff* *ft.*

Tbn. *ff* *ft.*

B. Tbn. *ff* *ft.*

Tba. *ff* *ft.*

Timp. *ff*

Crot. *ff*

Vib. *ff*

perc.

B. D.

T.-t.

Cym.

Cym. *ff*

Glock. *ff*

Cel. *ff*

Pno. *ff*

Hp. 1 *ff*

Hp. 2 *ff*

Vln. I *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff*

Db. *ff*

80

Picc.  
Fl.  
Ob.  
C. A.  
E♭ Cl.  
Cl.  
B. Cl.  
Bsn.  
Cbsn.  
Hn.  
Tpts.  
Tbn.  
B. Tbn.  
Tba.  
Timp.  
Crot.  
Vib.  
perc.  
B. D.  
T.-t.  
Cym.  
Cym.  
Glock.  
Cel.  
Pno.  
Hp. 1  
Hp. 2  
Vln. I  
Vln. II  
Vla.  
Vc.  
Db.

Detailed description of the musical score: This page of a musical score, numbered 80, contains 28 staves for various instruments. The Piccolo and Flute parts feature melodic lines with slurs and accents. The Oboe, Clarinet in A, Clarinet in E-flat, Clarinet in C, Bassoon, and Contrabassoon parts consist of sustained notes with slurs. The Horns play sustained notes. The Trumpets and Trombones have melodic lines with slurs. The Tuba part has sustained notes. The Percussion section, including Bells, Tom-toms, Cymbals, and Glockenspiel, is mostly silent. The Piano part features complex textures with slurs and accents. The Harp parts have sustained notes. The Violin I and II parts have melodic lines with slurs. The Viola, Violoncello, and Double Bass parts have sustained notes with slurs.

84

Picc. *fff*

Fl. *fff*

Ob. *fff*

C. A. *fff*

E♭ Cl. *fff*

Cl. *fff*

B. Cl. *fff*

Bsn. *fff*

Cbsn. *fff*

Hn. *fff*

Tpts. *fff*

Tbn. *fff*

B. Tbn. *fff*

Tba. *fff*

Timp. *p* *fff*

Crot. *fff*

Vib. *fff* simile con pedal

perc. *fff*

B. D. *p* *fff*

T.-t. *fff*

Cym. *p* *fff*

Glock. *fff*

Cel. *fff*

Pno. *fff*

Hp. 1 *fff*

Hp. 2 *fff*

Vln. I *fff*

Vln. II *fff*

Vla. *fff*

Vc. *fff*

Db. *fff*

88

Picc.  
Fl.  
Ob.  
C. A.  
E♭ Cl.  
Cl.  
B. Cl.  
Bsn.  
Cbsn.  
Hn.  
Tpts.  
Tbn.  
B. Tbn.  
Tba.  
Timp.  
Crot.  
Vib.  
perc.  
B. D.  
T.-t.  
Cym.  
Cym.  
Glock.  
Cel.  
Pno.  
Hp. 1  
Hp. 2  
Vln. I  
Vln. II  
Vla.  
Vc.  
Db.