

# a-tomos

(α-τομος)

*hommage à Iannis Xenakis  
on the 100th anniversary of birth*

for orchestra

op. 14

**Dawid Grenda**

# ORCHESTRA

1 Piccolo (picc)  
2 Flutes (fl)  
3 Oboes (ob)  
3 Clarinets in Bb (cl)  
2 Bassoons (fg)  
1 Contrabassoon (cfg)

4 French Horns in F (cr)  
3 Trumpets in Bb (tr)  
3 Trombones (tn)  
1 Tuba (tb)

12 Violins I (vn I)  
10 Violins II (vn II)  
10 Violas (vl)  
8 Cellos (vc)  
6 Double Basses (cb)

## 4 percussionists:

- 1 timpanist (timp);
- perc 1: 4 scaled tom-toms (tom), tam-tam (tmt), snare drum with snares on (tmb), triangle (trg);
- perc 2: glockenspiel (glck), 3 wood blocks (wb), snare drum with snares on (tmb);
- perc 3: bass drum (with 2 soft bass drum mallets),  
2 snare drums: with snares on + with snares off (tmb con corda / senza corda)

## PERFORMANCE NOTES

1 - Duration : circa 12 minutes

2 - The score is written in C except for piccolo (which sounds 1 octave up),  
contrabassoon (which sounds 1 octave down) and double basses (which sound 1 octave down)

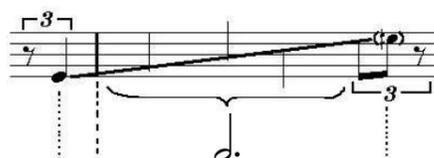
3 - Notation of quarter tones: ♯ - 1/4 tone up    ## - 3/4 tone up    ♭ - 1/4 tone down

4 - String glissandi are performed in a single movement which must be uniform to ear:  
the left hand will slow down the movement towards the upper register and accelerate it towards the lower.  
The durations of the glissandi and of the held notes must be strictly observed.

5 - Execution of string glissandi:

Bar 30/31, etc.:

notation:



execution for the ear:



Attack the first note without holding it, for the glissando starts at once. The bracketed small note is only touched upon, since it is merely the end of glissando.

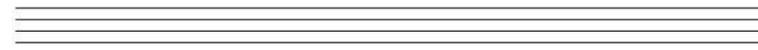
Vertical lines indicate quarter notes only for orientation (without new attack).

Bar 93-95, etc.:

notation:



execution for the ear:



For bars 88-131 bow changes of violins I, violins II and violas should be imperceptible as notes are **not** attacked, only to be touched upon and continuing the glissando undisturbed as shown above.

6 - Symbol  indicates frullato for wind instruments and very rapid unrhythmised tremolo for strings and percussion.

7 - For all instruments: absolutely no vibrato anywhere unless indicated.



6

picc

fl 1

fl 2

ob 1

ob 2

ob 3

cl 1

cl 2

cl 3

cfg

cr 1

cr 2

cr 3

tr 1

tr 2

tr 3

tn 1

timp

perc 3

gc

This musical score page contains measures 6 through 10. The woodwind section includes Piccolo (picc), Flutes (fl 1, 2), Oboes (ob 1, 2, 3), Clarinets (cl 1, 2, 3), and Bassoon (cfg). The brass section includes Cornets (cr 1, 2, 3), Trumpets (tr 1, 2, 3), and Trombones (tn 1). The percussion section includes Timpani (timp) and Percussion 3 (perc 3), which includes Gong/Cymbal (gc). The score is written in a common time signature and features various dynamics such as *f*, *mf*, *ff*, *pp*, and *sfp*. The woodwinds play melodic lines with frequent slurs and ties, while the brass and percussion provide harmonic support and rhythmic patterns.

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

- picc**: Piccolo flute, staff 1.
- fl**: Flute, staves 2 and 3.
- ob**: Oboe, staves 4 and 5.
- cl**: Clarinet, staves 6 and 7.
- cfg**: Bassoon, staff 8.
- cr**: Cor Anglais, staves 9 and 10.
- tr**: Trumpet, staves 11, 12, and 13.
- tn**: Trombone, staves 14 and 15.
- timp**: Timpani, staff 16.
- perc 3**: Percussion 3, staff 17.
- gc**: Gong/Cymbal, staff 18.

The score includes various musical notations such as notes, rests, slurs, and dynamic markings (*f*, *ff*, *p*, *pp*, *sfp*). The percussion parts feature rhythmic patterns with vertical strokes and flags.



20

This musical score page covers measures 20 through 23. The instruments and their parts are as follows:

- picc**: Piccolo flute, playing a melodic line with slurs and accents.
- fl 1, 2**: Flutes, playing a melodic line with slurs and accents.
- ob 1, 2, 3**: Oboes, playing a melodic line with slurs and accents.
- cl 1, 2, 3**: Clarinets, playing a melodic line with slurs and accents.
- cfg**: Bassoon, playing a melodic line with slurs and accents.
- timp**: Timpani, playing a rhythmic pattern with dynamics *fff*, *mf*, and *p*.
- perc 3 gc**: Percussion 3 (gong/cymbal), playing a rhythmic pattern with dynamics *fff* and *p*.
- vn I, II**: Violins, playing a melodic line with slurs and accents.
- vi**: Viola, playing a melodic line with slurs and accents.
- vc**: Violoncello, playing a melodic line with slurs and accents.

The score includes various musical notations such as slurs, accents, and dynamic markings (*ff*, *fff*, *mf*, *p*, *f*). The woodwinds and strings play melodic lines, while the percussion provides a rhythmic accompaniment.

This musical score page, numbered 8 and 24, contains the following parts and dynamics:

- picc:** Piccolo flute, dynamics *fff* and *p*.
- fl:** Flute 1 and 2, dynamics *fff* and *p*.
- ob:** Oboe 1, 2, and 3, dynamics *fff* and *p*.
- cl:** Clarinet 1, 2, and 3, dynamics *fff* and *p*.
- fg:** Bassoon 1 and 2, dynamics *fff* and *p*.
- cfg:** Contrabassoon, dynamics *fff* and *p*.
- cr:** Cor Anglais 1, 2, 3, and 4, dynamics *fff* and *p*.
- tn:** Trombone 1, 2, and 3, dynamics *fff* and *p*.
- tb:** Trombone, dynamics *fff* and *p*.
- timp:** Timpani, dynamics *fff* and *p*.
- perc 3 gc:** Percussion 3 (gong/cymbal), dynamics *fff* and *p*.
- vn I:** Violin I, dynamics *fff*.
- vn II:** Violin II, dynamics *fff*.
- vi:** Viola, dynamics *fff*.
- vc:** Violoncello, dynamics *fff* and *p*.
- cb:** Contrabass, dynamics *fff* and *p*.

28

picc *ff*

fg 1 2 *fff* *p*

cfg *fff*

cr 1 *stacc.*  
2 *stacc.*  
3 *stacc.*  
4 *stacc.*  
*mf*

tn 3 *f*

tb *f*

perc 1 tom *ff*

perc 2 glck *fff* *sempre l.v.*

perc 3 gc *fff*

vn II 6 *p*  
7 *p*  
8 *p*  
9 *p*  
10 *p*

vc 1-4 *div. pizz.*  
5-8 *div. pizz.*  
*ff*

cb 1 *ff*  
2 *mf*  
3 *mf*  
4 *mf*  
5 *mf*  
6 *mf*

34

picc

cfg

cr 1 2 3 4

tn 3

tb

perc I tom

perc 2 glck

vn II 1 2 3 4 5 6 7 8 9 10

vc 1-4 5-8

cb 1 2 3 4 5 6

40

This musical score page covers measures 40 through 44. The instruments and their parts are as follows:

- Woodwinds:** Clarinet in F major (cfg), Cor Anglais (cr), Bassoon (tn), and Trombone (tb). The woodwinds play melodic lines with various articulations and dynamics.
- Brass:** Trumpets (1-4) and Trombones (3, tb). They provide harmonic support with sustained notes and some melodic fragments.
- Percussion:** Timpani (timp) features triplet patterns with dynamics ranging from *ff* to *p*. Percussion I (tom) and Percussion 3 (gc) play rhythmic patterns.
- Strings:** Violins I (vn I, 1-12) and Violins II (vn II, 1-10) play sustained notes, with dynamic markings of *pp* and *ff*. The Viola (vc, 1-4 and 5-8) and Cello (cb, 1-6) parts include triplet figures and melodic lines.

The score is written in a standard orchestral format with multiple staves for each instrument family. Dynamics and articulation are clearly marked throughout the passage.





56

The score is divided into four measures. The woodwind section (flutes 1-3, clarinets 1-3, and trumpets 1-3) features melodic lines with trills and dynamic markings of *mf* and *p*. The string section (violin I, violin II, viola, and cello/double bass) plays a pizzicato accompaniment, starting with a *fff* dynamic in measure 56 and moving to *mf* in measure 57. The percussion section includes timpani, tom-toms, snare drum, and gong cymbal, with dynamic markings of *p*, *ff*, and *mf*.

**Flute 1**: *mf* *p* *mf* *p*

**Clarinet 1**: *mf* *p* *mf* *p*

**Clarinet 2**: *mf* *p* *mf* *p*

**Clarinet 3**: *mf* *p* *mf* *p*

**Trumpet 1**: *p* *p* *p*

**Trumpet 2**: *p* *p* *p*

**Trumpet 3**: *p* *p* *p*

**Timpani**: *p*

**Percussion 1 (tom)**: *ff p*

**Percussion 2 (snare)**: *ff p*

**Percussion 3 (gong cymbal)**: *mf*

**Violin I**: *pizz.* *p*

**Violin II**: *pizz.* *p*

**Viola**: *pizz.* *p*

**Cello/Double Bass**: *pizz.* *p*

**Celli 1-3**: *pizz.*

**Double Basses 4-6**: *pizz.*

**Dynamic markings**: *fff* *mf*

60

The musical score for measures 60-63 is arranged in a multi-staff format. The woodwind section (cl) includes three parts (1, 2, 3) with trills and dynamic markings of *mf* and *p*. The brass section (tr) has three parts (1, 2, 3) with sustained notes and a *p* dynamic. The string section (vi, vc, cb) consists of five parts (1-5, 6-10, 1-4, 5-8, 1-3, 4-6) with various rhythmic patterns and dynamics. The percussion section (perc) includes three parts (1 tom, 2 wb, 3 gc) with specific rhythmic figures. The timpani (timp) part features a steady rhythmic accompaniment. The score is marked with *con sord.* for the brass and woodwinds. Measure numbers 60, 61, 62, and 63 are indicated at the top of the page.

cl 1 2 3

tr 1 2 3

timp

perc 1 tom

perc 2 wb

perc 3 gc

vn I

vn II

vi 1-5 6-10

vc 1-4 5-8

cb 1-3 4-6

con sord.

*mf* *p*

*p*

64

picc

1

cl

2

3

cfg

cr

1

2

3

4

tr

1

2

3

tn

1

2

3

tb

timp

perc I  
tom

perc 2  
wb

perc 3  
gc

vn I

vn II

vi

1-5

6-10

vc

1-4

5-8

cb

1-3

4-6

This musical score page contains measures 64 through 67. The instrumentation includes Piccolo (picc), Clarinet (cl), Bassoon (cfg), Cor Anglais (cr), Trumpet (tr), Trombone (tn), Tuba (tb), Timpani (timp), Tom-tom (perc I), Woodblock (perc 2), Gong/Cymbal (perc 3), Violin I (vn I), Violin II (vn II), Violin (vi), Viola (vc), and Cello/Double Bass (cb). The score is written in 3/4 time with a key signature of one sharp (F#). Dynamics range from *pp* (pianissimo) to *fff* (fortississimo). The woodwinds and strings play melodic lines with various articulations, while the percussion provides a rhythmic accompaniment. The brass instruments play sustained notes and chords. The score is divided into four measures, with measure numbers 64, 65, 66, and 67 indicated at the beginning of each staff.

68

1  
mf p

cl 2  
mf p

3  
p mf p

cfg  
p

1  
p

2  
p

3  
p

4  
p

1  
p

2  
p

3  
p

tb  
p

timp  
fff

perc 1  
tom  
fff

perc 2  
wb  
fff

perc 3  
gc  
f

vn I  
(non div.)  
p

vn II  
(non div.)  
p

1-5  
vi

6-10

1-4  
vc

5-8

1-3  
cb

4-6

Detailed description: This page of a musical score covers measures 68 to 71. It features a complex orchestration including woodwinds (flutes, clarinets, bassoon, contrabassoon), brass (trumpets, trombones, tuba), percussion (timpani, toms, wood blocks, gong), and strings (violins, violas, violas, cellos, double basses, and a contrabass). The score includes various musical notations such as dynamics (mf, p, f, fff), articulation (trills, accents), and performance instructions like '(non div.)'. The woodwinds and brass sections have prominent melodic lines with trills and slurs. The percussion section provides a rhythmic foundation with patterns on toms, wood blocks, and gong. The string section consists of moving lines, with some parts marked 'non div.' (non-divisi). The overall texture is dense and dynamic, with a clear progression from measure 68 to 71.

This musical score page covers measures 72 through 75. The instruments and their parts are as follows:

- ob (Oboe):** Measures 72-75. Dynamics range from *pp* to *mf*. Includes trills and slurs.
- cl (Clarinets):** Measures 72-75. Dynamics range from *p* to *mf*. Includes trills and slurs.
- cfg (Cello/Double Bass):** Measures 72-75. Dynamics range from *mf* to *p*. Includes trills and slurs.
- cr (Cymbals):** Measures 72-75. Dynamics range from *p* to *ff*. Includes the instruction "senza sord." (without mutes).
- tn (Toms):** Measures 72-75. Dynamics range from *mf* to *ff*.
- tb (Tuba):** Measures 72-75. Dynamics range from *mf* to *ff*.
- timp (Timpani):** Measures 72-75. Dynamics range from *p* to *ff*.
- perc I tom (Percussion I - Tom):** Measures 72-75. Dynamics range from *p* to *ff*.
- perc 2 wb (Percussion 2 - Woodblock):** Measures 72-75. Dynamics range from *p* to *ff*.
- perc 3 gc (Percussion 3 - Gong/Cymbal):** Measures 72-75. Dynamics range from *mf* to *f*.
- vn I (Violin I):** Measures 72-75. Dynamics range from *p* to *ff*. Includes the instruction "col legno" (with the wood of the bow).
- vn II (Violin II):** Measures 72-75. Dynamics range from *p* to *ff*. Includes the instruction "col legno".
- vi (Viola):** Measures 72-75. Dynamics range from *p* to *ff*.
- vc (Violoncello):** Measures 72-75. Dynamics range from *p* to *ff*.
- cb (Contrabass):** Measures 72-75. Dynamics range from *p* to *ff*.

76

This musical score page covers measures 76 through 79. The instruments and their parts are as follows:

- picc**: Piccolo flute, playing a sustained note that changes from G#4 to A4.
- fl**: Flute 1 and 2, playing a sustained note that changes from G#4 to A4.
- ob**: Oboe, playing a sustained note that changes from G#4 to A4.
- cl**: Clarinet in A, playing a melodic line starting at measure 76 with a *mf* dynamic and a triplet of eighth notes (A4, B4, C5).
- fg**: Bassoon, playing a sustained note that changes from G#4 to A4.
- cr**: Cor Anglais, playing a rhythmic pattern of eighth notes with a *p* to *ff* dynamic change.
- tn**: Trombone, playing a rhythmic pattern of eighth notes.
- timp**: Timpani, playing a rhythmic pattern of eighth notes with a *p* to *ff* dynamic change.
- perc I tom**: Tom-tom, playing a rhythmic pattern of eighth notes with a *p* to *ff* dynamic change.
- perc 2 wb**: Woodblock, playing a rhythmic pattern of eighth notes with a *p* to *ff* dynamic change.
- perc 3 gc**: Gong/Cymbal, playing a rhythmic pattern of eighth notes with a *p* to *ff* dynamic change.
- vn I**: Violin I, playing a sustained note that changes from G#4 to A4.
- vn II**: Violin II, playing a sustained note that changes from G#4 to A4.
- vi**: Violins, playing a rhythmic pattern of eighth notes.
- vc**: Violas, playing a rhythmic pattern of eighth notes.
- cb**: Cellos, playing a rhythmic pattern of eighth notes.

picc

fl 1 2

ob 1 2 3

cl 1 2 3

fg 1 2

cr 1 2 3 4

tn 1 2 3

timp

perc I tom

perc 2 wb

perc 3 gc

vn I

vn II

vi 1-5

vc 6-10

vc 1-4

vc 5-8

cb 1-3

cb 4-6

*p*

*ff*

*fff*

84 **4/4**

**picc**  
*pp*

**fl**  
*pp*

**cl**  
*pp*  
*pp*

**cfb**  
*pp*

**cr**  
*ff* *pp*

**tr**  
*ff* *pp*

**tn**  
*ff* *p*

**tb**  
*ff* *mf* *pp*

**timp**  
*fff* *f* *mf*

**perc 1 tom**  
*ff* *f* *mf*

**perc 2 wb**  
*fff*

**perc 3 gc**  
*fff* *f* *mf*

**vn I**  
1-6 arco norm. *pp*  
7-12 arco norm. *pp*

**vn II**  
1-5 arco norm. *pp*  
6-10 arco norm. *pp*

**vl**  
1-5 col legno *fff* *f* *mf*  
6-10 col legno *fff* *f* *mf*

**vc**  
1-4 col legno *fff* *f* *mf*  
5-8 col legno *fff* *f* *mf*

**cb**  
1-3 (non div.) *fff* *f* *mf*  
4-6 (non div.) *fff* *f* *mf*

88

This page of a musical score covers measures 88 through 92. The instrumentation includes Piccolo (picc), Flute 1 (fl 1), Flute 2 (fl 2), Clarinet 1 (cl 1), Clarinet 2 (cl 2), Clarinet 3 (cl 3), Timpani (timp), Percussion 1 (perc I tom), Percussion 3 (perc 3 gc), Violin I (vn I), Violin II (vn II), Viola (vi), Violoncello (vc), and Contrabass (cb). The woodwinds and strings play sustained notes with various articulations and dynamics, while the percussion parts feature rhythmic patterns with triplets and quintuplets. The score is written in a standard musical notation style with a key signature of one flat and a common time signature.

93

The musical score for measures 93-97 is arranged in a multi-staff format. The instruments and their parts are as follows:

- timp** (Timpani): Bass clef, measures 93-97 with triplet patterns.
- perc I tom** (Tom-tom): Treble clef, measures 93-97 with eighth-note patterns.
- perc 3 gc** (Gong/Cymbal): Treble clef, measures 93-97 with triplet patterns.
- vn I** (Violin I): Treble clef, measures 93-97 with a melodic line.
- vn II** (Violin II): Treble clef, measures 93-97 with a melodic line.
- vi** (Viola): Bass clef, measures 93-97 with a melodic line.
- vc** (Violoncello): Bass clef, measures 93-97 with a melodic line.
- cb** (Contrabass): Bass clef, measures 93-97 with a melodic line.

The score includes various musical notations such as triplets, slurs, and dynamic markings. The measures are numbered 93 through 97 on the left side of the page.



103

The musical score for page 25, starting at measure 103, features the following parts and details:

- ob (Oboe):** Measures 1-3, playing a sustained note with a *p* dynamic.
- cr (Cor):** Measures 1-4, playing a sustained note.
- tr (Trumpet):** Measures 1-3, playing a sustained note with a *p* dynamic.
- tn (Trombone):** Measures 1-3, playing a sustained note.
- timp (Timpani):** Measures 1-5, playing a rhythmic pattern with a *p* dynamic.
- perc I tom (Tom):** Measures 1-5, playing a rhythmic pattern.
- perc 2 tmb (Tombone):** Measures 1-5, playing a rhythmic pattern.
- perc 3 gc (Gong/Cymbal):** Measures 1-5, playing a rhythmic pattern.
- vn I (Violin I):** Measures 1-6 and 7-12, playing a melodic line.
- vn II (Violin II):** Measures 1-5 and 6-10, playing a melodic line.
- vi (Viola):** Measures 1-5 and 6-10, playing a melodic line.
- vc (Violoncello):** Measures 1-4 and 5-8, playing a rhythmic pattern with *f* and *p* dynamics, including the instruction "col legno".
- cb (Double Bass):** Measures 1-3 and 4-6, playing a rhythmic pattern.

108

This page contains a musical score for measures 108 through 111. The instruments and their parts are as follows:

- ob (Oboe):** Measures 108-111. Part 1 (1) has a long note in measure 108, a rest in 109, and a note in 110. Part 2 (2) has a long note in 108, a rest in 109, and a note in 110. Part 3 (3) has a long note in 108, a rest in 109, and a note in 110. Dynamics: *p*.
- tr (Trumpet):** Measures 108-111. Part 1 (1) has a long note in 108, a rest in 109, and a note in 110. Part 2 (2) has a long note in 108, a rest in 109, and a note in 110. Part 3 (3) has a long note in 108, a rest in 109, and a note in 110. Dynamics: *p*.
- timp (Timpani):** Measures 108-111. Part 1 (1) has a rhythmic pattern of eighth notes with five-measure rests. Part 2 (2) has a rhythmic pattern of eighth notes with five-measure rests. Part 3 (3) has a rhythmic pattern of eighth notes with five-measure rests. Part 4 (4) has a rhythmic pattern of eighth notes with three-measure rests.
- perc 1 tom (Tom-tom):** Measures 108-111. Part 1 (1) has a rhythmic pattern of eighth notes. Part 2 (2) has a rhythmic pattern of eighth notes. Part 3 (3) has a rhythmic pattern of eighth notes. Part 4 (4) has a rhythmic pattern of eighth notes.
- perc 2 tmb (Tom-tom):** Measures 108-111. Part 1 (1) has a rhythmic pattern of eighth notes. Part 2 (2) has a rhythmic pattern of eighth notes. Part 3 (3) has a rhythmic pattern of eighth notes. Part 4 (4) has a rhythmic pattern of eighth notes.
- perc 3 gc (Gong):** Measures 108-111. Part 1 (1) has a rhythmic pattern of eighth notes with five-measure rests. Part 2 (2) has a rhythmic pattern of eighth notes with five-measure rests. Part 3 (3) has a rhythmic pattern of eighth notes with five-measure rests. Part 4 (4) has a rhythmic pattern of eighth notes with three-measure rests.
- vn I (Violin I):** Measures 108-111. Part 1 (1-6) has a melodic line with slurs. Part 2 (7-12) has a melodic line with slurs. Part 3 (1-5) has a melodic line with slurs.
- vn II (Violin II):** Measures 108-111. Part 1 (6-10) has a melodic line with slurs. Part 2 (1-5) has a melodic line with slurs.
- vi (Viola):** Measures 108-111. Part 1 (6-10) has a melodic line with slurs. Part 2 (1-5) has a melodic line with slurs.
- vc (Violoncello):** Measures 108-111. Part 1 (1-4) has a rhythmic pattern of eighth notes with three-measure rests. Part 2 (5-8) has a rhythmic pattern of eighth notes with five-measure rests. Part 3 (1-3) has a rhythmic pattern of eighth notes with three-measure rests. Part 4 (4-6) has a rhythmic pattern of eighth notes with three-measure rests.
- cb (Double Bass):** Measures 108-111. Part 1 (1-3) has a rhythmic pattern of eighth notes with three-measure rests. Part 2 (4-6) has a rhythmic pattern of eighth notes with three-measure rests.

112

**picc**  
1  
*ff* *p*

**ob**  
2  
*ff* *p*

**cl**  
1  
*ff* *p*

**cl**  
2  
*ff* *p*

**cl**  
3  
*ff* *p*

**cfg**  
*ff* *p* *p*

**tr**  
1  
*ff* *p*

**tr**  
2  
*ff* *p*

**tr**  
3  
*ff* *p*

**tn**  
1  
*ff* *p*

**tn**  
2  
*ff* *p*

**tn**  
3  
*ff* *p*

**tb**  
*ff* *p* *p*

**timp**  
*fff*

**perc 1**  
tom  
*f*

**perc 2**  
tmb  
*ff*

**perc 3**  
gc  
*f*

**vn I**  
1-6  
*ff* *pp*

**vn I**  
7-12  
*ff* *pp*

**vn II**  
1-5  
*ff* *pp*

**vn II**  
6-10  
*ff* *pp*

**vl**  
1-5  
*ff* *pp*

**vl**  
6-10  
*ff* *pp*

**vc**  
1-4  
*f*

**vc**  
5-8  
*f*

**cb**  
1-3  
*f*

**cb**  
4-6  
*f*

con sord. *p*

con sord. *p*

trg sempre l.v. *p*

glck sempre l.v. *p*

*3* *5* *5* *5* *5* *5* *5* *5*



125

**cfg**  
p

**tn**  
1  
2  
3  
pp

**tb**  
p

**perc I**  
trg  
p  
sempre l.v.

**perc 2**  
glck  
p

**perc 3**  
gc

**vn I**  
1-6  
7-12

**vn II**  
1-5  
6-10

**vl**  
1-5  
6-10

**vc**  
1  
2  
3  
4  
5  
6  
7  
8  
pizz.  
p

Detailed description of the musical score: This page contains the musical score for measures 125 through 129. The score is arranged in a multi-staff format. At the top, the measure number '125' is indicated. The instruments are listed on the left side of the page: cfg (celesta), tn (trumpets 1, 2, and 3), tb (trombone), perc I (snare drum), perc 2 (glockenspiel), perc 3 (cymbal), vn I (violins 1 and 2), vn II (violins 3 and 4), vl (violins 5 and 6), and vc (violas 1 through 8). The cfg part consists of a single melodic line with a dynamic marking of 'p'. The tn and tb parts feature sustained notes with a dynamic marking of 'pp'. The perc parts show rhythmic patterns, with perc I including a 'trg' (trigon) marking. The string parts (vn, vl, vc) are more complex, with various dynamics and articulations such as 'pizz.' (pizzicato) and 'p' (piano). The score is written in a standard musical notation style with various clefs and time signatures.

131

The score is divided into several sections:

- Woodwinds:** Piccolo (picc), Flute (fl), Oboe (ob), Clarinet (cl), Bassoon (cbg).
- Brass:** Trumpet (tr), Trombone (tn), Tuba (tb).
- Percussion:** Timpani (timp), Percussion 1 (perc I), Percussion 2 (perc 2), Percussion 3 (perc 3).
- Strings:** Violin I (vn I), Violin II (vn II), Viola (vi), Violoncello (vc), Contrabass (cb).

Key performance instructions include dynamics such as *ff*, *ppp*, *mf*, and *pp*, as well as articulation like *senza sord.* and *arco*. The score includes various musical notations such as slurs, ties, and dynamic hairpins.

\*) lowest possible pitch



152

fl 1  
fl 2  
ob 1  
ob 2  
cl 1  
cl 2  
cl 3  
cfg  
tb  
timp  
perc 3 GC  
vn I 1  
vn I 2  
vn II 1-5  
vn II 6-10  
vi  
cb

*pp*  
*pp*  
*pp*  
*pp*  
*ppp*  
*ppp*  
*Solo*  
*pp*  
*pp*  
*pp*  
*pp*

rit.

160

The musical score for page 33, measures 160-169, is arranged in a standard orchestral format. The instruments and their parts are as follows:

- Flutes (fl):** Two parts (1 and 2) with melodic lines and slurs.
- Oboes (ob):** Two parts (1 and 2) with rests.
- Clarinets (cl):** Three parts (1, 2, and 3) with melodic lines and slurs.
- Contrabassoon (cfg):** One part with a melodic line.
- Trombones (tb):** One part with a melodic line.
- Timpani (timp):** One part with a rhythmic pattern of eighth notes.
- Percussion (perc):** Three parts (I, II, III) with various rhythmic patterns. Perc I includes tom-toms and wood blocks (wb). Perc II includes wood blocks (wb). Perc III includes gong (gc).
- Violins (vn):** Two parts (I and II) with melodic lines and slurs.
- Violas (vl):** One part with a melodic line.
- Cellos (cb):** One part with a melodic line.

The score includes various musical notations such as notes, rests, slurs, and dynamics. Dynamics include *ppp*, *ff*, *mf*, *p*, and *pp*. The tempo marking *rit.* is present at the top right. The measure number 160 is indicated at the top left.



177

This musical score page contains measures 177 through 180. The instruments and their parts are as follows:

- picc:** Piccolo flute, starting in measure 178 with a *p* dynamic.
- fl 1 & 2:** Flutes, with the first flute playing a *p* dynamic in measure 178.
- ob 1 & 2:** Oboes, with the second oboe playing a *p* dynamic in measure 178.
- cl 1, 2, & 3:** Clarinets, with the first clarinet playing a *p* dynamic in measure 178.
- fg 1 & 2:** Bassoons, with the first bassoon playing a *p* dynamic in measure 178.
- tr:** Trumpet, playing a *p* dynamic in measure 178 with the instruction "con sord." (con sordina).
- perc 1 (tom):** Tom-tom, playing a triplet pattern with dynamics *p*, *mf*, and *p*.
- perc 2 (wb):** Woodblock, playing a triplet pattern with dynamics *pp*, *mf*, and *pp*.
- perc 3 (gc):** Gong, playing a triplet pattern with dynamics *pp* and *mf*.
- vn I (1-6 & 7-12):** Violins, playing a *pizz.* (pizzicato) pattern with a *f* dynamic.
- vn II (1-5 & 6-10):** Violins, playing a *pizz.* (pizzicato) pattern with a *f* dynamic.
- vi (1-5 & 6-10):** Violas, playing a *pizz.* (pizzicato) pattern with a *f* dynamic.
- vc (1-4 & 5-8):** Violas, playing a *pizz.* (pizzicato) pattern with a *f* dynamic.
- cb:** Cello, playing a *ff* (fortissimo) pattern.

181

picc

fl 1

fl 2

ob 1

ob 2

cl 2

cl 3

fg 1

fg 2

cr 1

cr 2

cr 3

cr 4

tr 1

tr 2

tn 1

tn 2

tb

perc I tom

perc 2 wb

perc 3 gc

vn I

vn II 1-5

vn II 6-10

vi 1-5

vi 6-10

vc 1-4

vc 5-8

cb

185

picc

fl 1

cl 1

cfb

cr 1

cr 2

cr 3

cr 4

tr 1

tr 2

tr 3

tn 1

tn 2

tn 3

tb

perc 1 tom

perc 2 wb

perc 3 gc

vn I

vn II 1-5

vn II 6-10

vl 1-5

vl 6-10

vc 1-4

vc 5-8

cb

*mf*

*f*

*p*

*pp*

*senza sord.*

*arco*

IV



193

picc  
cl 1  
cl 2  
cl 3  
cfb  
cr  
tr 1  
tr 2  
tr 3  
tn 1  
tn 2  
tn 3  
tb  
timp  
perc I tom  
perc 2 wb  
perc 3 gc  
vn I  
vn II  
vc  
cb

198

perc I tom  
perc 2 wb  
perc 3 gc

202 accel. . . . .

perc I tom  
*p*  $\curvearrowright$  *pp* *ppp*  $\leftarrow$  *pp*  $\curvearrowright$  *ppp*

perc 2 wb  
*p*  $\curvearrowright$  *ppp* *ppp*  $\curvearrowright$  *ppp*

perc 3 gc  
*p*  $\curvearrowright$  *pp* *ppp*  $\curvearrowright$  *pp*  $\curvearrowright$  *ppp*



$\text{♩} = 120$

207 tmt tom

perc I *mf* *pp*

perc 2 wb *fff* *pp* *p*

perc 3 gc *fff* tmb con corda *pp* *p*  
senza corda

1-4 *ff* *pp*

vc *ff* *pp*

5-8 *ff* *pp* pizz.

cb *fff* *pp* *p* *mf*



212

perc I *mf* *f*

perc 2 *mf* *f*

perc 3 *mf* *f*

1-4 (tr)

vc (tr)

cb *f* *ff*

216

Musical score for measures 216-219. The score includes parts for Percussion 1 (tom), Percussion 2 (wb), Percussion 3 (tmb), Violin 1-5 (arco), Violin 4-5, Viola 1-4, Violoncello 5-8, and Contrabass. Dynamics include *ff*, *pp*, and *fff*. The percussion parts feature complex rhythmic patterns with dynamic shifts. The string parts are mostly sustained chords.



220

Musical score for measures 220-223. The score includes parts for Percussion 1 (tom), Percussion 2 (wb), Percussion 3 (tmb), Violin 1-5 (arco), Violin 6-10, Viola 1-4, Violoncello 5-8, and Contrabass. Dynamics include *ff*, *pp*, and *fff*. The percussion parts continue with complex rhythmic patterns. The string parts are sustained chords.

224

perc I tom

perc 2 wb

perc 3 tmb

vn II

vi



227

cr

timp

perc I tom

perc 2 wb

perc 3 tmb

vn II

vi

230

picc

fl 1 2

ob 1 2 3

cl 1 2 3

cr

tr 1 2 3

tn 1 2 3

timp

perc 1 tom

perc 2 wb

perc 3 tmb

vn I 1-12

vn II 1-10

vi 1-5-10

vc 1-5-8

cb

tutti archi: *ff*



242

Musical score for measures 242-244. The score includes parts for fg (1/2), cfg, tb, timp, perc I tmb, perc 2 wb, perc 3 tmb, and cb. The fg part features a melodic line with dynamics *mf*, *p*, and *f*. The perc 2 and 3 parts play a rhythmic pattern of eighth notes with dynamics *ff* and *pp*. The cb part has a low-frequency line with dynamics *pp* and a *div.* marking.

245

Musical score for measures 245-247. The score includes parts for cl (1, 2, 3), fg (1/2), cfg, tb, timp, perc I tmb, perc 2 wb, perc 3 tmb, vn II, vl (1-5, 6-10), vc (1-4, 5-8), and cb. The vn II part is marked *pp* *arco*. The vl and vc parts feature sixteenth-note passages with dynamics *p*, *f*, and *p*. The vc part includes triplet markings. The cb part has a low-frequency line with dynamics *mf* and *pp*.

accel.

247

This musical score page contains measures 247 through 250. The instruments and their parts are as follows:

- Flute (fl):** Measures 1 and 2. Dynamics: *f* to *p*, *f* to *p*, *f* to *p*, *f*.
- Clarinet (cl):** Measures 1 and 2. Dynamics: *f* to *p*, *f* to *p*, *f* to *p*, *f*.
- Bassoon (fg):** Measures 1 and 2. Dynamics: *f* to *p*, *f* to *p*, *f* to *p*, *f*.
- Timpani (timp):** Measures 1 and 2. Dynamics: *ff*, *pp*, *ff*.
- Percussion I (perc I tmb):** Measures 1 and 2. Dynamics: *ff*, *pp*, *ff*, *pp*, *ff*, *pp*, *ff*.
- Percussion 2 (perc 2 wb):** Measures 1 and 2. Dynamics: *ff*, *pp*, *ff*, *pp*, *ff*.
- Percussion 3 (perc 3 tmb):** Measures 1 and 2. Dynamics: *ff*, *pp*, *ff*, *pp*, *ff*, *pp*, *ff*.
- Violin I (vn I):** Measures 1-6 and 7-12. Dynamics: *ff* to *p*, *ff* to *p*, *ff* to *p*, *ff*. Includes *arco* and *sim.* markings.
- Violin II (vn II):** Measures 1-5. Dynamics: *ff* to *p*, *ff* to *p*.
- Viola (vl):** Measures 1-5. Dynamics: *ff* to *p*, *ff* to *p*.
- Violoncello (vc):** Measures 1-4 and 5-8. Dynamics: *ff* to *p*, *ff* to *p*, *ff* to *p*, *ff*. Includes *6* and *3* markings.
- Double Bass (cb):** Measures 1-5. Dynamics: *ff* to *p*, *ff* to *p*, *ff* to *p*, *ff*.

(♩ = 70)

250

This musical score page contains measures 250 through 253. The instruments and their parts are as follows:

- Flute (fl):** Measures 1 and 2. Dynamics: *p*, *f*, *p*, *f*, *p*, *f*, *p*.
- Oboe (ob):** Measures 1, 2, and 3. Dynamics: *f*, *p*, *f*, *p*, *f*, *p*, *f*, *p*.
- Clarinet (cl):** Measures 1 and 2. Dynamics: *p*, *f*, *p*, *f*, *p*, *f*, *p*.
- Bassoon (fg):** Measures 1 and 2. Dynamics: *p*, *f*, *p*, *f*, *p*, *f*, *p*.
- Timpani (timp):** Measures 1, 2, and 3. Dynamics: *pp*, *ff*, *pp*, *ff*, *pp*, *ff*, *pp*.
- Percussion 1 (perc I tmb):** Measures 1, 2, and 3. Dynamics: *pp*, *ff*, *pp*, *ff*, *pp*, *ff*, *pp*.
- Percussion 2 (perc 2 wb):** Measures 1, 2, and 3. Dynamics: *pp*, *ff*, *pp*, *ff*, *pp*, *ff*, *pp*.
- Percussion 3 (perc 3 tmb):** Measures 1, 2, and 3. Dynamics: *pp*, *ff*, *pp*, *ff*, *pp*, *ff*, *pp*.
- Violin I (vn I):** Measures 1-6 and 7-12. Dynamics: *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.
- Violin II (vn II):** Measures 1-5. Dynamics: *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.
- Viola (vi):** Measures 1-5 and 6-10. Dynamics: *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.
- Violoncello (vc):** Measures 1-4 and 5-8. Dynamics: *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.
- Double Bass (cb):** Measures 1-4. Dynamics: *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.



(♩ = 100)

(♩ = 110)

256

This page contains the musical score for measures 256 through 261. The score is divided into two tempo sections: the first six measures (256-261) are marked with a tempo of ♩ = 100, and the following six measures (262-267) are marked with a tempo of ♩ = 110. The instrumentation includes:

- Flute (fl):** Measures 1-2, playing a melodic line with dynamics *p*, *f*, *p*, *f*, *p*, *f*, *p*.
- Oboe (ob):** Measures 1-3, playing a melodic line with dynamics *p*, *f*, *p*, *f*, *p*, *f*, *p*.
- Clarinet (cl):** Measures 1-3, playing a melodic line with dynamics *p*, *f*, *p*, *f*, *p*, *f*, *p*.
- Bassoon (fg):** Measures 1-2, playing a melodic line with dynamics *p*, *f*, *p*, *f*, *p*, *f*, *p*.
- Timpani (timp):** Measures 1-6, playing a rhythmic pattern with dynamics *pp*, *ff*, *pp*, *ff*, *pp*, *ff*, *pp*.
- Percussion I (perc I tmb):** Measures 1-6, playing a rhythmic pattern with dynamics *pp*, *ff*, *pp*, *ff*, *pp*, *ff*, *pp*.
- Percussion II (perc 2 wb):** Measures 1-6, playing a rhythmic pattern with dynamics *ff*, *pp*, *ff*, *pp*, *ff*, *pp*, *ff*, *pp*.
- Percussion III (perc 3 tmb):** Measures 1-6, playing a rhythmic pattern with dynamics *ff*, *pp*, *ff*, *pp*, *ff*, *pp*, *ff*, *pp*.
- Violin I (vn I):** Measures 1-6, playing a rhythmic pattern with dynamics *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*.
- Violin II (vn II):** Measures 1-6, playing a melodic line with dynamics *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.
- Viola (vi):** Measures 1-5, playing a melodic line with dynamics *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.
- Violoncello (vc):** Measures 1-4, playing a melodic line with dynamics *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.
- Double Bass (cb):** Measures 1-8, playing a rhythmic pattern with dynamics *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*, *ff*, *p*.

261

This page of an orchestral score contains measures 261 through 265. The instrumentation includes Piccolo (picc), Flute (fl), Oboe (ob), Clarinet (cl), Bassoon (fg), Contrabassoon (cfg), Cor Anglais (cr), Trumpet (tr), Trombone (tn), Tuba (tb), Timpani (timp), Percussion I (perc I), Percussion II (perc 2), Percussion III (perc 3), Violin I (vn I), Violin II (vn II), Viola (vi), Violoncello (vc), and Double Bass (cb). The score is written in a key signature of one sharp (F#) and a 2/4 time signature. The tempo is marked as quarter note = 120. The music features complex rhythmic patterns, including sixteenth and thirty-second notes, and dynamic markings such as *f* (non dim.), *p*, *ff*, *mf*, and *fff*. The percussion parts include a complex rhythmic pattern on the timpani and various effects on the other percussion instruments. The string parts feature a driving sixteenth-note accompaniment. The woodwinds and brass parts have melodic lines with various articulations and dynamics.

266

This page of a musical score, numbered 266, contains the following instruments and parts:

- picc**: Piccolo flute
- fl**: Flute (1 and 2 staves)
- ob**: Oboe (1, 2, and 3 staves)
- cl**: Clarinet (1, 2, and 3 staves)
- fg**: Bassoon (1 and 2 staves)
- cfg**: Contrabassoon
- cr**: Cor Anglais (1, 2, 3, and 4 staves)
- tr**: Trumpet (1, 2, and 3 staves)
- tn**: Trombone (1, 2, and 3 staves)
- tb**: Tuba
- timp**: Timpani
- perc I**: Percussion I (tmb)
- perc 2**: Percussion 2 (tmb)
- perc 3**: Percussion 3 (gc)
- vn I**: Violin I (1-6 and 7-12 staves)
- vn II**: Violin II
- vi**: Viola (1-5 and 6-10 staves)
- vc**: Violoncello (1-4 and 5-8 staves)
- cb**: Contrabass

The score includes various musical notations such as dynamics (e.g., *ff*, *mf*, *f*, *p*), articulation (accents, slurs), and performance instructions (e.g., *sim.* for *simile*). The woodwinds and brass sections play sustained notes with dynamic swells, while the strings play rhythmic patterns with dynamic changes. The percussion parts feature complex rhythmic figures.

This page of a musical score, numbered 270, contains the following instruments and parts:

- picc**: Piccolo flute
- fl**: Flute 1 and 2
- ob**: Oboe 1, 2, and 3
- cl**: Clarinet 1, 2, and 3
- fg**: Bassoon 1 and 2
- cfg**: Contrabassoon
- cr**: Cor Anglais 1, 2, 3, and 4
- tr**: Trumpet 1, 2, and 3
- tn**: Trombone 1, 2, and 3
- tb**: Tuba
- timp**: Timpani
- perc I tmb**: Percussion I (Tom-toms)
- perc 2 tmb**: Percussion 2 (Tom-toms)
- perc 3 gc**: Percussion 3 (Gong/Cymbal)
- vn I**: Violin I (1-6 and 7-12)
- vn II**: Violin II
- vi**: Viola (1-5 and 6-10)
- vc**: Violoncello (1-4 and 5-8)
- cb**: Contrabass

The score is written in a common time signature and features a variety of dynamic markings such as *ff*, *f*, *mf*, *p*, and *fff*. It includes complex rhythmic patterns, slurs, and articulation marks across all parts.

274

picc

perc 3  
gc

vn II

1-5

6-10

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



280

picc

perc 3  
gc

vn II

6-8

9

10

*pppp* *ppp* *pppp*