

Pitch, Yaw, and Roll

Six Degrees of Freedom

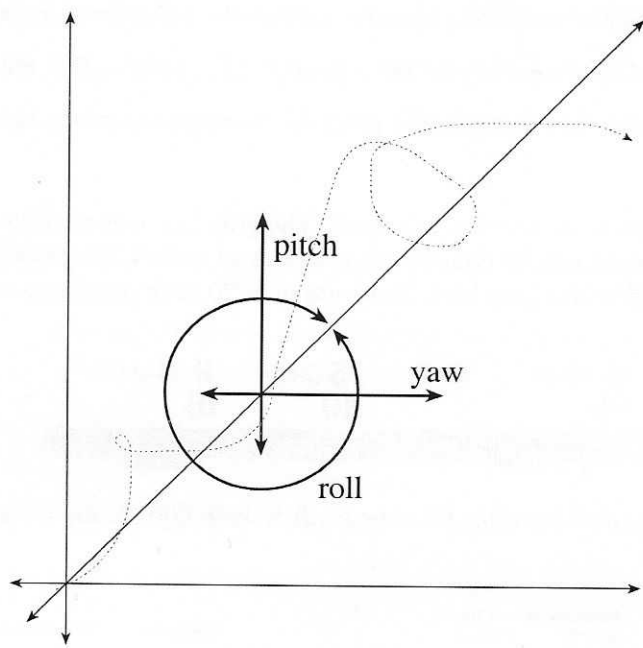
for Symphonic Band

Score

Roll, Yaw, and Pitch

Understanding the three degrees of freedom for rotation in a 3D coordinate system.

Roll, Yaw, and Pitch are the three primary axes of rotation for an object in a 3D space.



Pitch, Yaw, and Roll

Six Degrees of Freedom

for Symphonic Band

Instrumentation:

Piccolo, 2 flutes, oboe, bassoon, 2 B \flat clarinets, bass clarinet, 2 alto saxes, tenor sax, baritone sax, 2 horns in F, 4 trumpets in B \flat , trombone, euphonium, tuba, contrabass, piano, and 3 percussionists. The numbers of instruments on a part are variable, except where solos are indicated. Parts such as **Trumpet 1** refer to a musical voice, not an individual player. (a2 canceling a solo or divided parts on a staff thus really means **tutti** or **unison**.)

If performed by wind ensemble, these should be the actual numbers of instruments:

piccolo, 4 flutes, 2 oboes, 2 bassoons, 4 B \flat clarinets, bass clarinet, 2 alto saxes, tenor sax, baritone sax, 4 horns in F, 4 trumpets in B \flat , 2 trombones, euphonium, tuba, contrabass, piano, and 3 percussionists. A performance could still take place using the above but with reductions to 2 flutes, 1 oboe, 1 bassoon, and 2 horns.

Percussion 1: xylophone, glockenspiel, crotales, 3 tom toms, 3 wood blocks, 2 shakers, clave, ratchet.

Percussion 2: vibraphone, concert bass drum, bongos, 2 shakers, 2 cowbells or agogo bells, triangle, 2 suspended cymbals.

Percussion 3: timpani, pedal bass drum, snare drum, hi hat, suspended cymbal, tambourine.

If the contrabass is to be a single player, it should be amplified. An electric bass would be a reasonable substitution.

Performance notes:

Score is in C, except for instruments transposing by octaves (piccolo, contrabass, xylophone, vibraphone, and crotales).

Dynamics shadings are indicated by *poco* and *più*; *mf ... poco f ... f ... più f ... ff ...* etc.

Accidentals apply only to the notes they immediately precede. Numerous courtesy accidentals are provided.

Notes on metric patterns:

The four-measure metric pattern below recurs in this work. The gray bar over the four measures is intended to make recurrences more apparent. (Several similar recurrences at rehearsal letter L are closely related, but only end slightly differently. They are also marked with a gray bar). There are over 20 such occurrences in the piece.

Also available is a page of suggested exercises for rehearsals to help ingrain the recurring metric pattern.

Percussion notation:

Unless otherwise noted, all beaters are the most usual for the instruments. Use snare drum sticks for everything except: xylophone: wood mallets; glockenspiel/crotales: brass (possibly wood); clave: use 2 claves (possibly wood mallet); vibraphone: yarn mallets; bass drum: bass drum beater; triangle: triangle beater. All damping is by hand.

Pitch, Yaw, and Roll

Six Degrees of Freedom

Vivace; acutamente
 ♩ = 105 *Crisp & Lively*

6 (4+2) (3+3) 5 (3+2) 9 (4+3+2) 6 5 9 3
 16 16 16 16 16 16 16 4

Piccolo

1 Flute

2 Flute

Oboe

Bassoon

1 Clarinet in B \flat

2 Clarinet in B \flat

Bass Clarinet

Alto Sax.

Tenor Sax.

Baritone Sax.

1 Horn in F

2 Horn in F

1 Trumpet in B \flat STRAIGHT MUTE

2 Trumpet in B \flat STRAIGHT MUTE

Trombone

Euphonium

Tuba

Contrabass

6 5 9 6 5 9 3
 16 16 16 16 16 16 4

Piano

Timpani

1 Percussion MTOM HTOM

2 Percussion BD LCYM bell

3 Percussion SN HH

f *mf* *f* *mf* *f* *mf* *f* *mf*

Pitch, Yaw, and Roll

9 $\text{♩} = \text{♩}$ (except as noted)

3/4 6/16 5/16 9/16 6 (3+3)/16 10 (3+3+4)/16 6/16

Picc. *f*

1 *f*

Fl. 2 *f* *ff*

Ob. *f* *ff*

Bsn. *f* *ff*

1 *f* *ff*

2 *f* *ff*

B. Cl. *f* *ff*

A. Sx. *f*

T. Sx. *f*

B. Sx. *f*

3/4 6/16 5/16 9/16 6/16 10/16 6/16

1 *f*

2 *f*

B. Tpt. *f*

2 *f*

Tbn. *f*

Euph. *f*

Tuba *f*

Cb. *f*

3/4 6/16 5/16 9/16 6/16 10/16 6/16

Pno. *f*

Timp. *f*

1 *f* XYL. *f* TRI.

2 *f damp* BD *f*

3 *f* SN *f* BD SN *ff*

Pitch, Yaw, and Roll

16 **6/16** **5/16** **9/16** **2/4** **4/4** **4/4** *Largamente Broadly* (♩ = 105)

Picc. *f*

1 Fl.

2 Fl.

Ob.

Bsn.

1 B♭ Cl. *ff*

2 B♭ Cl. *ff*

B. Cl.

A. Sax. *ff*

T. Sax. *ff*

B. Sax.

1 Hn. *mf*

2 Hn. *mf*

1 B♭ Tpt. *ff* REMOVE MUTE OPEN *mf*

2 B♭ Tpt. *ff* REMOVE MUTE OPEN *mf*

Tbn. *ff* *mf*

Euph. *ff* *f* *mf*

Tuba *ff*

Cb. *ff* *f* *pizz.*

Pno. *f*

Timp.

1 Perc. HTOM MTOM LTOM *ff* HTOM MTOM LTOM *f* *p* LCYM norm bell *f* LCYM bell *f*

2 Perc. BD *ff* damp MCYM bell *mf* *f* IHI *f*

3 Perc. *ff* damp *mf* *f*

Pitch, Yaw, and Roll

Leggermente; animato
Lightly, animated

B *Largamente*
Broadly

Vivace;
acutamente
Sharp
& lively

23

6
16

5
16

9
16

4
4

2
4

6
16

Picc. *più f*

1 *f*

Fl. 2 *f*

Ob.

Bsn. *f*

1

B♭ Cl. 2 *ff*

B. Cl. *f*

A. Sax. *ff*

T. Sax. *ff*

B. Sax. *ff*

6
16

5
16

9
16

4
4

2
4

6
16

1 *mf* *f*

Hr. 2 *mf* *f*

1 *mf* *f*

B♭ Tpt. 2 *mf* *f*

Tbn. *mf* *f* *ff*

Euph. *mf* *f* *ff*

Tuba *mf* *f* *ff*

Cb. *mf* *f* *ff*

6
16

5
16

9
16

4
4

2
4

6
16

Pno. *mf* *f* *ff*

Timp.

1 RATCHET *f* HTOM *ff* *più f*

2 MCYM norm HBGO LBGO *ff damp*

3 SN *mf* *f* *ff*

Pitch, Yaw, and Roll

Scorrevole e vivace
Flowing & Lively

31

6/16 5/16 9/16 6/16 5/16 9/16 6/16

Picc. *ff* *f* *f* *ff*

1 Fl. *ff* *f* *f* *ff*

2 Fl. *più f* *f* *ff*

Ob. *ff* *f*

Bsn. *ff* *f*

1 B♭ Cl. *più f* *ff*

2 B♭ Cl. *più f* *f* *mf* *f* *più f*

B. Cl. *più f* *f* *mf* *f*

A. Sax. *f* *mf* *f*

T. Sax. *f* *mf* *f*

B. Sax. *f* *mf* *f* *più f*

6/16 5/16 9/16 6/16 5/16 9/16 6/16

1 Hn. *f* *mf* *più f*

2 Hn. *f* *mf* *più f*

1 B♭ Tpt. *f* *mf* *più f*

2 B♭ Tpt. *f* *mf* *più f*

Tbn. *f* *più f*

Euph. *f* *più f*

Tuba *f* *più f*

Cb. *f* *più f*

6/16 5/16 9/16 6/16 5/16 9/16 6/16

Pno. *ff*

Timp.

1 Perc. LSHAK HSHAK

2 Perc. *più f*

3 Perc. *ff*

Pitch, Yaw, and Roll

Acutamente e agitato
Sharp & Agitated

C ♩ = 100 *poco a poco accelerando*

Più calmo; liberamente

4 *Calmer;*
4 *freely*

6 (4+2) (3+3) **5** (4+2+4)
16 **8**

39

Picc. _____

1 Fl. *ff*

2 Fl. *ff*

Ob. _____

Hsn. *ff*

1 B♭ Cl. *ff*

2 B♭ Cl. *ff*

B. Cl. _____

A. Sx. _____

T. Sx. _____

B. Sx. *ff*

6 **5** **4**
16 **8** **4**

1 Hn. *ff* *f* *mp*

2 Hn. *ff* *mf* TAKE ST. MUTE ST. MUTE *p*

1 B♭ Tpt. *ff* *f* *mp* TAKE ST. MUTE ST. MUTE

2 B♭ Tpt. *ff* *mf* TAKE ST. MUTE ST. MUTE

Tbn. _____

Euph. *ff* *mp* *mf* *f*

Tuba *ff*

Cb. _____

6 **5** **4**
16 **8** **4**

Pno. _____

Timp. *ff*

1 Perc. _____

2 Perc. *ff* LCYM MCYM choke

3 Perc. _____

Pitch, Yaw, and Roll

50 $\text{♩} = 105$ *Largamente; dolcemente pulsante*
Broadly; gently driving

D

The musical score for page 7 of "Pitch, Yaw, and Roll" is a complex orchestral arrangement. It begins with a tempo of 105 beats per minute and a dynamic of *Largamente; dolcemente pulsante* (Broadly; gently driving). The score is marked with a key signature of one flat and a time signature of 4/4. The instrumentation includes Piccolo, Flutes (1 and 2), Oboe, Bassoon, Clarinets (Bb and B), Saxophones (A, T, B), Horns (1 and 2), Trumpets (1 and 2), Trombone, Euphonium, Tuba, Cymbals, Piano, and Percussion (Bass Drum, Snare Drum, Cymbals). The score features various dynamics such as *f*, *mf*, *pp*, *mp*, and *p*, along with performance instructions like "OPEN" and "1. solo". The score is divided into measures, with a box labeled "D" indicating a specific section. The percussion part includes instructions for "BD" (Bass Drum), "MCYM bell" (Cymbal), and "LCYM norm" (Cymbal).

Pitch, Yaw, and Roll

Giustamente
Evenly

E ♩ = 105

5
4

4
4

3
4

4
4

Picc. *ff*

1 Fl. *mf* *ff*

2 Fl. *f* *ff*

Ob. *ff*

Bsn.

1 B♭ Cl. *mf* *ff* *f* *ff*

2 B♭ Cl. *f* *ff* *f* *ff*

B. Cl. *f* *ff*

A. Sx.

T. Sx.

B. Sx.

5
4

4
4

3
4

4
4

1 Hn. *ff*

2 Hn. *ff*

1 B♭ Tpt. *ff* *f*

2 B♭ Tpt. *ff* *f*

Tbn. *ff*

Euph. *ff*

Tuba *ff*

Cb. *ff* *gliss*

5
4

4
4

3
4

4
4

Pno.

Timp.

1 Perc. HTOM MTOM LTOM *ff*

2 Perc. BD LCYM bell *damp* BD *damp* MCYM *choke*

3 Perc. bell *più f* SN HH BD SN *ff*

Pitch, Yaw, and Roll

Sottile pulsante; con moto
Subtly driving

72

G

2
4

Picc. *ff*

1 *ff*

Fl. 2 *f*

Ob. *ff* *f*

Bsn. *f*

1 *ff* *f*

B. Cl. 2 *ff* *f*

B. Cl. *f*

A. Sx.

T. Sx. *f*

B. Sx.

2
4

1 *ff*

Hn. 2 *ff*

1 *ff* *f* OPEN 1. solo

B. Tpt. 2 *ff*

Tbn.

Euph. *ff*

Tuba

2
4

Cb. *pizz* *f*

Pno.

Timp.

1 MTOM LSHAK HSHAK *ff*

2 TRI. *f*

3 SN MCYM bell bell BD HH bell MCYM bell HH norm *f*

Pitch, Yaw, and Roll

Ritmico; acutamente
Crisp & rhythmic

78

2/4 5/8 (4+4+2) 9/16 (3+3+3) 2/4 7/16 (4+3) 2/4

Picc. 1

Fl. 1 2

Ob.

Bsn. 1 2

B♭ Cl. 1 2

B. Cl.

A. Sx.

T. Sx.

B. Sx.

Hr.

B♭ Tpt. 1 2

Tbn.

Euph.

Tuba

Cb.

Pno.

Timp.

Perc. 1

2 MCYM bell

3 BD SN

ff f damp damp

Pitch, Yaw, and Roll

H $\text{♩} = 105$

Di nuovo misterioso ma crescente
Again, mysterious but building

Più intenso
Becoming
more intense

86

4
4

Picc. 1

Fl. 1

Fl. 2

Ob.

Bsn.

Bb Cl. 1

Bb Cl. 2

B. Cl.

A. Sx.

T. Sx.

B. Sx.

4
4

Hn. 1

Hn. 2

Bb Tpt. 1

Bb Tpt. 2

Tbn.

Euph.

Tuba

Cl.

4
4

Pno.

Timp.

Perc. 1

Perc. 2

Perc. 3

MTOM

BD

SN

Pitch, Yaw, and Roll

Giustamente
Evenly

99

2/4 4/4 2/4 6 (4+2) (3+3) 2 6 (4+2) 9

4 4 4 16 4 16 16

Picc. 1 *ff* *mf*

Fl. 2 *ff* *mf*

Ob. *ff* *mf*

Bsn. *f* *ff* *mf*

B♭ Cl. 1 *ff* *mf*

B♭ Cl. 2 *ff* *mf*

B. Cl. *mf*

A. Sx.

T. Sx. *f* *ff*

B. Sx.

Hn. 1 *ff*

Hn. 2 *ff*

B♭ Tpt. 1 *ff* *f* *f* TAKE ST. MUTE

B♭ Tpt. 2 *ff* *f* *f* TAKE ST. MUTE

Tbn. *ff*

Euph.

Tuba

Cb.

Pno. 2/4 4/4 2/4 6 2 6 9

4 4 4 16 4 16 16

Timp.

Perc. 1 LTOM *f* MTOM *ff* GLOCK. *f*

2 BD

3 *ff*

Pitch, Yaw, and Roll

Scorrevole; condurre a ...
Flowing; leading to...

Giusto; vigoroso
Rhythmically strict;
strong

119

9 (3+3+3)
16

6
16

K

Picc. 1 2

Fl. 1 2

Ob.

Bsn. 1 2

B. Cl. 1 2

A. Sx.

T. Sx.

B. Sx.

9
16

6
16

Hn. 1 2

B. Tpt. 1 2

Tbn.

Euph.

Tuba

Cb.

9
16

6
16

Pno.

Timp.

Perc. 1 2 3

Pitch, Yaw, and Roll

145

6 (4+2) (3+3) 5 (3+2) 11 (4+3+4) 6 (4+2) (3+3) 5 (3+2) 7 (4+3) 2
16 16 16 16 16 16 16 16 4

Picc. 1 *mf* *poco f*

Fl. 1 *mf* *poco f*

Fl. 2 *mf* *poco f*

Ob.

Bsn. *mf* *poco f*

B. Cl. 1 *mf* *poco f*

B. Cl. 2 *mf* *poco f*

B. Cl.

A. Sx. *mf* *poco f*

T. Sx.

B. Sx.

6 5 11 6 5 7 2
16 16 16 16 16 16 4

Hr.

B. Tpt. 1 *poco f*

B. Tpt. 2 *poco f*

Tbn.

Euph.

Tuba *mf* *poco f*

Cb. *mf* *poco f*

6 5 11 6 5 7 2
16 16 16 16 16 16 4

Pno. *mf*

Timp.

Perc. 1 XYL. *mf* *poco f*

Perc. 2 VIB. *mf* *poco f*

Perc. 3 BD SN *mf* *poco f*

Pitch, Yaw, and Roll

Vivace; acutamente
Perky; sharp & lively

Più leggeramente
Lighter

160

6 (4+2)
16

10 (3+3+2+2)
16

2
4

10 (3+3+2+2)
16

5 (4+4+2)
8

10
16

Picc. *f*

Fl. 1 *<f*

Fl. 2 *<f*

Ob. *f*

Bsn. *<f*

B. Cl. 1 *<f*

B. Cl. 2 *<f*

B. Cl. *f*

A. Sx.

T. Sx.

B. Sx.

6
16

10
16

2
4

10
16

5
8

10
16

Hn. 1 *f*

Hn. 2 *<f*

B. Tpt. 1 *f*

B. Tpt. 2 *f*

Tbn. *<f*

Euph.

Tuba

6
16

10
16

2
4

10
16

5
8

10
16

Cb. *pizz* *f* *gliss*

Pno. *<f* *ff* *ff*

Timp. *<f* *ff*

Perc. 1 *XYL.* *f*

Perc. 2 *VIB.* *f*

Perc. 3 *f*

Acutamente assai
Very sharp

M *Scorrevole; vigoroso e crescente*
Flowing; strong & building

167

10 (3+3+2+2) **3** **4** **5** (4+2+4) **4**
16 **4** **4** **8** **4**

Picc. *ff* *ff* *ff* *mf* *poco f*

1 *ff* *ff* *ff* *mf* *poco f*

2 *ff* *ff* *ff* *mf* *poco f*

Ob. *ff* *ff* *mf* *f*

Bsn. *ff* *ff* *mf* *poco f*

1 *ff* *ff* *mf* *poco f*

2 *ff* *mf* *poco f*

B. Cl. *ff* *mf* *poco f*

B. Cl. *ff* *mf* *poco f*

A. Sx. *poco f*

T. Sx. *poco f*

B. Sx. *mf*

10 **3** **4** **5** **4**
16 **4** **4** **8** **4**

1 *ff* *f* *fp* *ff* *mf* *poco f*

2 *ff* *f* *fp* *ff* *mf* *poco f*

1 *ff* *f* *fp* *ff* *mf* *f*

2 *ff* *f* *fp* *ff* *mf* *poco f*

Tbn. *ff* *f* *fp* *ff* *mf* *poco f*

Euph. *f* *fp* *ff* *mf* *poco f*

Tuba *f* *fp* *ff* *mf* *poco f*

Cb. *mf* *poco f*

Pno. *ff*

Timp. *fp* *ff*

1 *ff* *mf* *poco f* MTOM

2 *ff* *mf* *ff* *mf* *damp* *poco f* *damp*

3 *ff* *ff* *mf* *poco f*

LCYM MCYM BD MCYM SN

Giustamente

Evenly; with sharp interjections

The musical score is arranged in a standard orchestral format. The woodwind section includes Piccolo, Flutes (1 and 2), Oboe, Bassoon, Clarinets (Bb, Bb, and B), Saxophones (Alto, Tenor, Bass), and Horns (1 and 2). The brass section includes Trumpets (Bb, 1 and 2), Trombones (1 and 2), Euphonium, Tuba, and Cymbals. The string section includes Violins (1 and 2), Violas, Cellos, and Double Basses. The percussion section includes Timpani, Snare Drum, and various cymbals (HH, MCYM, LCYM, HTOM, MTOM, LTOM, BD, SN). The score is marked with dynamics such as *f*, *più f*, *ff*, *mp*, and *sf*. Performance instructions include "Giustamente" and "Evenly; with sharp interjections".

Pitch, Yaw, and Roll

179

// ♩ = 105 *Audacemente; giustamente*
Boldly; evenly

N

The musical score is arranged in a standard orchestral format. The instruments and their parts are as follows:

- Picc.**: Piccolo, with dynamics *f > p < più f* and *più f*.
- Fl.**: Flutes, with dynamics *mp* and *< mf > p*.
- Ob.**: Oboe, with dynamics *mp* and *< mf > p*.
- Bsn.**: Bassoon, with dynamics *mp* and *< mf > p*.
- B♭ Cl.**: Clarinet in B-flat, with dynamics *mp* and *< mf > p*.
- B. Cl.**: Clarinet in B-flat, with dynamics *mp* and *< mf > p*.
- A. Sx.**: Alto Saxophone, with dynamics *mp* and *< mf > p*.
- T. Sx.**: Tenor Saxophone, with dynamics *mp* and *< mf > p*.
- B. Sx.**: Bass Saxophone, with dynamics *mp* and *< mf > p*.
- Hu.**: Horns (1 and 2), with dynamics *mp* and *< mf > p*.
- B♭ Tpt.**: Trumpets in B-flat (1 and 2), with dynamics *f* and *più f*.
- Tbn.**: Trombone, with dynamics *mp* and *< mf > p*.
- Euph.**: Euphonium, with dynamics *f* and *p < più f*.
- Tuba**: Tuba, with dynamics *f* and *p < più f*.
- Cb.**: Cymbal, with dynamics *f* and *p < più f*.
- Pno.**: Piano, with dynamics *f* and *8^{va}*.
- Timp.**: Timpani, with dynamics *f* and *8^{va}*.
- Perc.**: Percussion, including CLAVE, HH, LCYM, MCYM, BD, and choke, with dynamics *ff* and *mp*.

195

6/16 5/16 9/16 6/16 5/16 9/16 6/16 5/16 9/16 6/16

Picc. 1 2

Fl. 1 2

Ob.

Bsn.

B♭ Cl. 1 2

B. Cl.

A. Sx.

T. Sx.

B. Sx.

6/16 5/16 9/16 6/16 5/16 9/16 6/16 5/16 9/16 6/16

Hr.

1 2

B♭ Tpt. 1 2

Tbn.

Euph.

Tuba

Cb.

6/16 5/16 9/16 6/16 5/16 9/16 6/16 5/16 9/16 6/16

Puo.

Timp.

Perc. 1 2 3

TRI. mp

HH mp

BD damp

LCYM mp

SN mp

P *Moderato rock*
Dancelike; easy rock

207

6/16 5/16 9/16 6/16 5/16 9/16 6/16 5/16

Picc.

1

Fl.

2

Ob.

Bsn.

1

B. Cl.

2

B. Cl.

A. Sax.

T. Sax.

B. Sax.

6/16 5/16 9/16 6/16 5/16 9/16 6/16 5/16

1

Hr.

2

B. Tpt.

1

2

Tbn.

Euph.

Tuba

Cb.

6/16 5/16 9/16 6/16 5/16 9/16 6/16 5/16

Pno.

Timp.

1

Perc. 2

3

MTOM

XVL.

MCYM

LCYM

HH

SN

BD

Aggressivo; ritmico
Aggressive; rhythmic

217

5/16 9/16 6/16 5/16 9/16 6/16 5/16

Picc. *più f* *ff* *f*

1 Fl. *più f* *ff*

2 Fl. *più f* *ff*

Ob. *più f* *ff*

Bsn. *f*

1 B♭ Cl. *più f* *ff f*

2 B♭ Cl. *più f* *ff*

B. Cl. *più f* *f*

A. Sx. *più f* *ff*

T. Sx. *più f*

B. Sx. *più f*

5/16 9/16 6/16 5/16 9/16 6/16 5/16

1 Hn. *più f*

2 Hn. *più f*

1 B♭ Tpt. *più f* TAKE ST. MUTE ST. MUTE *f*

2 B♭ Tpt. *più f* TAKE ST. MUTE ST. MUTE *f*

Tbn. *più f*

Euph. *più f*

Tuba *più f*

Cb. *più f*

5/16 9/16 6/16 5/16 9/16 6/16 5/16

Pno. *più f*

Timp.

1 Perc. (Use same mallets.) HWB *più f* MWB *f* (Use same mallets.) XYL. *f*

2 Perc. *damp* *più f* *damp* *damp* *damp* *f*

3 Perc. SN HH *più f* BD *ff* *f*

234 $\text{Q} (\text{♩} = \text{♩})$ *rit.* *Subito tranquillo e radioso; morendo*
Suddenly an afterglow; morendo

9/16 6/16 5/16 9/16 4/4

Picc. 1 *ff* *fff* *fff* *fff* *fff* *p* *pppp*

Fl. 2 *ff* *fff* *fff* *fff* *fff* *p* *pppp*

Ob. *ff* *fff* *fff* *fff* *fff* *p* *pppp*

Bsn. *ff* *fff* *fff* *fff* *fff* *p* *pppp*

B♭ Cl. 1 *ff* *fff* *fff* *fff* *fff* *pp* *p*

B♭ Cl. 2 *ff* *fff* *fff* *fff* *fff* *pp* *p*

B. Cl. *ff* *fff* *fff* *fff* *fff* *pp* *p*

A. Sx. *ff* *fff* *fff* *fff* *fff* *pp* *p*

T. Sx. *ff* *fff* *fff* *fff* *fff* *pp* *p*

B. Sx. *ff* *fff* *fff* *fff* *fff* *pp* *p*

Hr. 1 *fff* *fff* *fff* *fff* *fff* *pppp*

Hr. 2 *fff* *fff* *fff* *fff* *fff* *pppp*

B♭ Tpt. 1 *fff* *fff* *fff* *fff* *fff* *p*

B♭ Tpt. 2 *fff* *fff* *fff* *fff* *fff* *pppp*

Tbn. *fff* *fff* *fff* *fff* *fff* *pppp*

Euph. *fff* *fff* *fff* *fff* *fff* *pppp*

Tuba *fff* *fff* *fff* *fff* *fff* *pppp*

Cb. *fff* *fff* *fff* *fff* *fff* *pppp*

Pno. *ff* *fff* *fff* *fff* *fff* *pppp*

Timp. *ff* *fff* *fff* *fff* *fff* *pppp*

Perc. 1 LTOM

Perc. 2 HBGO LBGO LCYM TRI. *mp*

Perc. 3 BD SN *fff*

Pitch, Yaw, and Roll

Melodico; con forza
Strong & melodic

243 $\text{♩} = 60$ R $\text{♩} = 100$ *accel.* $\text{♩} = 105$

3/4 2/4 3/4 2/4 4/4 3/4

Picc.

1

Fl.

2

Ob.

Bsn.

1

B♭ Cl.

2

B♭ Cl.

A. Sx.

T. Sx.

B. Sx.

pppp *mp* *ppp* *f* *mf*

> ppppp *pppp* *f* *mf*

< p *pppp* *mf*

pppp *mf*

mf

3/4 2/4 3/4 2/4 4/4 3/4

1

Hr.

2

1

B♭ Tpt.

2

Tbn.

Euph.

Tuba

Cb.

poco f *f* *poco f*

mf *poco f* *f* *poco f* *mp poco f*

pppp *f* *poco f* *mp poco f*

pppp *f* *poco f* *mp poco f*

poco f *f* *mf*

mf *poco f* *mp < mf* *poco f*

f *mf*

3/4 2/4 3/4 2/4 4/4 3/4

Pno.

Timp.

1

Perc.

2

3

MTOM HTOM LTOM

poco f *f*

MCYM * *p*

BD *mf damp*

SN *f*

* Slide length of stick on rim.

Pitch, Yaw, and Roll

S

(♩ = 105)

261 *Giustamente*
Evenly

T

// ♩ = 105

Melodico; con forza
Strong & melodic

2
4

5 (3+2)
16

11 (4+3+4)
16

2
4

3
4

3
8

Picc. 1

Fl. 1 2

Ob.

Bsn.

B♭ Cl. 1 2

B. Cl.

A. Sx.

T. Sx.

B. Sx.

2
4

5
16

11
16

2
4

3
4

3
8

Hr.

B♭ Tpt. 1 2

Tbn.

Euph.

Tuba

Cb.

2
4

5
16

11
16

2
4

3
4

3
8

Pno.

Timp.

Perc. 1 2 3

270 $\text{♩} = \text{♩}$ (except as noted)
Con forza ma più dolcemente
Strong but gentler

The musical score is divided into three systems, each with its own time signature: 3/8, 2/4, 3/8, and 4/4. The instruments and their parts are as follows:

- Woodwinds:** Piccolo (Picc.), Flute 1 (Fl. 1), Flute 2 (Fl. 2), Oboe (Ob.), Bassoon (Bsn.), Clarinet in Bb (Bb Cl.), Clarinet in Bb (B. Cl.), Alto Saxophone (A. Sx.), Tenor Saxophone (T. Sx.), Bass Saxophone (B. Sx.).
- Brass:** Horn 1 (Hn. 1), Horn 2 (Hn. 2), Trumpet in Bb (Bb Tpt. 1), Trumpet in Bb (Bb Tpt. 2), Trombone (Tbn.), Euphonium (Euph.), Tuba, and Cymbals (Cb.).
- Strings:** Piano (Pno.) and Timpani (Timp.).
- Percussion:** Glockenspiel (GLOCK.), Vibraphone (VIB.), Snare Drum (SN), and various cymbals (MCYM norm, LCYM, bell, HTOM, MTOM, LTOM, BD).

The score includes dynamic markings such as *f*, *mf*, *poco f*, *più f*, *ff*, and *fff*, along with performance instructions like *8va* and *(loco)*. The piece concludes with a final *fff* dynamic.