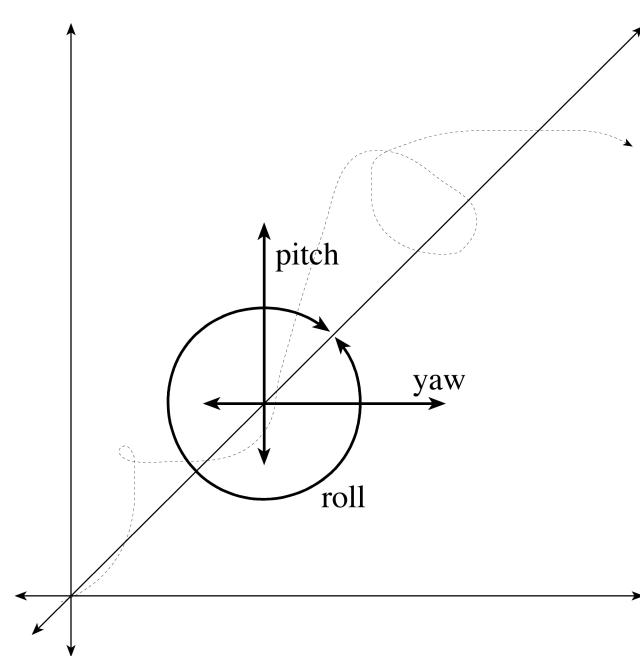


Pitch, Yaw, and Roll
Six Degrees of Freedom
for Symphonic Band

Score

James Croson



Pitch, Yaw, and Roll

Six Degrees of Freedom

for Symphonic Band

Instrumentation:

Piccolo, 2 flutes, oboe, bassoon, 2 B♭ clarinets, bass clarinet, 2 alto saxes, tenor sax, baritone sax, 2 horns in F, 4 trumpets in B♭, 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♭ clarinets, bass clarinet, 2 alto saxes, tenor sax, baritone sax, 4 horns in F, 4 trumpets in B♭, 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:

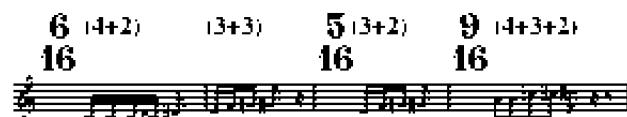
Score is in C, except for instruments transposing by octaves (piccolo, contrabass, xylophone, vibraphone, and crotales).

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.

Contact:

James M. Croson • 1405 Olympia Avenue • Mount Dora, FL 32757 • 352-385-0254 • jcroson@earthlink.net

Pitch, Yaw, and Roll

Six Degrees of Freedom

James Croson

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
Flute 1
Flute 2
Oboe
Bassoon
Clarinet in B_b 1
Clarinet in B_b 2
Bass Clarinet
Alto Sax.
Tenor Sax.
Baritone Sax.

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

16 16 16 16 16 16 16 4

Horn in F 1
Horn in F 2
Trumpet in B_b 1
Trumpet in B_b 2
Trombone
Euphonium
Tuba
Contrabass
Piano
Timpani
Percussion 1
Percussion 2
Percussion 3

pizz.

STRAIGHT MUTE

f

HTOM

BD

f damp

LCYM bell

mf

f

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Pitch, Yaw, and Roll

9 ♩ = ♪ (except as noted)

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

3 4 6 f 16 5 16 9 16 6 16 10 16 6 16

3 4 6 f 16 5 16 9 16 6 16 10 16 6 16

Pno.

XYL. BD TRI. SN BD SN

f damp f

16

A (♩ = 105) *Broadly*

Picc. **6 16** **5 16** **9 16** **2 4** **4 4**

1 **Fl.** **2**

Ob.

Bsn.

1 **B♭ Cl.** **ff**

2 **B♭ Cl.** **ff**

B. Cl.

A. Sx. **ff**

T. Sx. **ff**

B. Sx. **ff**

6 16 **5 16** **9 16** **2 4** **4 4**

1 **Hn.** **mf**

2

B♭ Tpt. **ff**

2 **B♭ Tpt.** **ff**

Tbn. **ff**

Euph. **ff**

Tuba **ff**

Cb. **arco** **pizz.**

6 16 **5 16** **9 16** **2 4** **4 4**

Pno.

Timp.

Perc. **HTOM** **MTOM** **LTOM** **ff**

1 **HTOM** **MTOM** **LTOM** **f** **p** **LCYM** **norm** **bell**

2 **BD** **damp** **MCY** **bell**

3 **ff** **HH** **f**

Pitch, Yaw, and Roll

Pitch, Yaw, and Roll

5

Flowing & Lively

31

Picc. 6 16 5 16 9 16 6 16 5 16 9 16 6 16

Fl. 2 più f

Ob.

Bsn.

B♭ Cl. 1 più f

B♭ Cl. 2 più f

B. Cl. più f

A. Sx.

T. Sx.

B. Sx. più f

Hn. 6 16 5 16 9 16 6 16 5 16 9 16 6 16

B♭ Tpt. 1

Tbn. 2 f

Euph.

Tuba 3 più f

Cb.

Pno. 6 16 5 16 9 16 6 16 5 16 9 16 6 16

ff

Timp.

Perc. 1 LSHAK HSHAK

Perc. 2 più f

Perc. 3 HH > + + + + > + + + + > + + + + >

Pitch, Yaw, and Roll

Sharp & Agitated

39 **6 (4+2)** **(3+3)** **5 (4+2+4)** **8** **4** **4**

C $\text{♩} = 100$ *poco a poco accelerando*

Calmer; *freely*

Picc.

Fl. 1 *ff*

Fl. 2 *ff*

Ob.

Bsn. *ff*

B♭ Cl. 1 *ff*

B♭ Cl. 2 *ff*

B. Cl.

A. Sx.

T. Sx.

B. Sx.

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

Hn. 1 *ff*

Hn. 2 *ff*

B♭ Tpt. 1 *ff*

B♭ Tpt. 2 *ff*

Tbn.

Euph.

Tuba

Cb.

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

Pno.

Timp.

Perc. 1 LCYM

Perc. 2 MCYM choke

Perc. 3 *ff*

♩ = 105 *Broadly; gently driving*

50 D

Picc.

1
2
Fl.
Ob.
Bsn.
1
2
Bb Cl.
2
B. Cl.
A. Sx.
T. Sx.
B. Sx.

Hn.
2
1
Bb Tpt.
2
Tbn.
Euph.
Tuba
Cb.

Pno.

Tim.

Perc. 1
2
3

D

Measures 1-10: Woodwind section. Picc., Fl., Ob., Bsn., Bb Cl., B. Cl., A. Sx., T. Sx., B. Sx. play sustained notes and rhythmic patterns. Dynamics: f > mf, pp, mp, mf, p << mf, f, f > mf, pp, p << mf, f, f > mf, pp, mp, mf.

Measures 11-20: Brass section. Hn., Bb Tpt., Tbn., Euph., Tuba play sustained notes and rhythmic patterns. Dynamics: mp, mf, f, mp, mf, a2, f, mp, mf, f, mf, f, mf, f, mf, f, mf, f. Bb Tpt. has a solo section labeled "OPEN" and "1. solo".

Measures 21-30: Percussion section. Perc. 1, Perc. 2, Perc. 3 play sustained notes and rhythmic patterns. Dynamics: BD, LCYM norm, MF, BD, MCYM bell, f, mf, f.

Pitch, Yaw, and Roll

58

E $\text{♩} = 105$
Evenly

5 **4** **3** **4**

Picc.

1 Fl. *mf — ff*

2 Ob. *f — ff*

Bsn.

1 B♭ Cl. *mf — ff*

2 B. Cl. *f — ff*

A. Sx.

T. Sx.

B. Sx.

Hn. *ff*

2

1 B♭ Tpt. *ff*

2 Tbn. *ff*

Euph.

Tuba *ff*

Cb. *ff* *gliss.*

Pno.

Tim.

Perc.

5 **4** **3** **4**

HTOM MTOM LTOM
BD LCYM bell
damp
bell *ff* SN HH + + + ○
damp SN
HTOM LTOM
choke MCYM

più f *ff* *ff*

Subdued; driving but mysterious

F

More extroverted

66 **4**
4

Picc.
1
Fl.
2
Ob.
Bsn.
1
B♭ Cl.
2
B. Cl.
A. Sx.
T. Sx.
B. Sx.

Hn.
2
1
B♭ Tpt.
2
Tbn.
Euph.
Tuba
Cb.
Pno.
Timp.
1
2
3
Perc.

pizz.
f

** 1. solo f OPEN*
2. (gli altri) STRAIGHT MUTE
STRAIGHT MUTE
f

f

4
4

CLAVE
LSHAK HSHAK *f*
MCYMB bell bell
BD bell HH bell
f

* A single trumpet.

Pitch, Yaw, and Roll

Subtly driving

G

Picc.

1 Fl.

2 Fl.

Ob.

Bsn.

1 B♭ Cl.

2 B♭ Cl.

B. Cl.

A. Sx.

T. Sx.

B. Sx.

Hn.

2

1 B♭ Tpt.

2

B♭ Tpt.

Tbn.

Euph.

Tuba

Cb.

Pno.

Tim.

1

2

3

MTOM
LTOM

LSHAK

f

TRI.

f

bell

bell

MCYK

SN >

> f

pizz.

f

BD

bell

MCYK bell norm

HH

norm

2

Crisp & rhythmic

78

2 **5** (4+4+2) **9** (3+3+3) **2** **7** (4+3) **2**

4 **8** **16** **4** **16** **4**

2 **5** **9** **2** **7** **2**

4 **8** **16** **4** **16** **4**

2 **5** **9** **2** **7** **2**

4 **8** **16** **4** **16** **4**

Pno.

Tim.

Perc. 1 MCYM bell
2 BD
3 SN

Pitch, Yaw, and Roll

86 H ♩ = 105

*Again,
mysterious
but building*

4
4

Picc.
Fl. 1
Fl. 2
Ob.
Bsn.
B♭ Cl. 1
B♭ Cl. 2
A. Sx.
T. Sx.
B. Sx.

*Becoming
more intense*

Hn. 1
Hn. 2
B♭ Tpt. 1
B♭ Tpt. 2
Tbn.
Euph.
Tuba
Cb.

4
4

Pno.
Timpani
Perc. 1
Perc. 2
Perc. 3

MTOM
f << ff
BD
f << ff damp
damp
sn f << ff

Strong & confident; building

I

Picc.

1 Fl. 2 Ob. Bsn. Bb Cl. 2 B. Cl. A. Sx. T. Sx. B. Sx.

Hn. 2 Bb Tpt. 2 Tbn. Euph. Tuba Cb.

Pno.

Timpani

Perc. 1 2 3

Pitch, Yaw, and Roll

Evenly

99

Picc.

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

1 Fl. 2 Ob. Bsn. 1 B. Cl. 2 B. Cl. A. Sx. T. Sx. B. Sx.

2 4 **4 4** **2 4** **6 16** **2 4** **6 16** **9 16**

1 Hn. 2 B. Tpt. 1 Tbn. Euph. Tuba Cb.

2 4 **4 4** **2 4** **6 16** **2 4** **6 16** **9 16**

Pno.

Timp.

1 Perc. 2 Perc. 3 Perc.

LTOM MTOM GLOCK.
f f > > > >
BD > > > >
ff

Pitch, Yaw, and Roll

131

Flowing; leading to...

Rhythmically strict; strong

Broadening; lyrical

(♩ = 105)
Perky;
sharp & lively

2 4 6 16

Pitch, Yaw, and Roll

153

2 4 **10 (3+3+2+2) 16** **6 (4+2) 16** **(3+3)** **5 (3+2) 16** **9 (4+3+2) 16** **6 16**

Picc. *f*

Fl. 1 *f*

Fl. 2 *f*

Ob.

Bsn.

B♭ Cl. 1 *f*

B♭ Cl. 2 *f*

B. Cl. *f*

A. Sx. *f*

T. Sx.

B. Sx.

2 4 **10 16** **6 16** **5 16** **9 16** **6 16**

Hn.

Tbn. *mf*

B♭ Tpt. *REMOVE MUTE*

Tbn. *OPEN*

Eup.

Tuba

Cb.

2 4 **10 (loco) 16** **6 16** **5 16** **9 16** **6 16**

Pno. *f*

Tim. *f*

Perc. 1 *f*

Perc. 2 *f*

Perc. 3 *f*

Pitch, Yaw, and Roll

Perky; sharp & lively

Lighter

160

6 (4+2) 10 (3+3+2+2) 2 4 10 (3+3+2+2) 5 (4+4+2) 10 16

Picc. *f*

1 Fl. *<f*

2 Fl. *<f*

Ob.

Bsn. *<f*

1 B♭ Cl. *<f*

2 B♭ Cl. *<f*

B. Cl. *f*

A. Sx.

T. Sx.

B. Sx.

6 16 10 16 2 4 10 16 5 8 10 16

Hn.

2 B♭ Tpt. *<f*

1 B♭ Tpt. *f*

2 Tbn. *f*

Euph.

Tuba

Cb. *pizz.* *gliss.*

6 16 10 16 2 4 10 16 5 8 10 16

Pno. *f* *ff* *ff*

Timp. *<f* *(8th)*

XYL. *f*

VIB. *f*

Perc. *f*

Very sharp

167

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

M

*Flowing;
strong & building*

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

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

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

Pno.

Timp.

Perc. 1

Perc. 2

Perc. 3

Pitch, Yaw, and Roll

174

Evenly; with sharp interjections

Picc. *f* — *più f* *ff*

1 Fl. *<f* — *più f* *ff* *mp* *ff*

2 Fl. *<f* — *più f* *ff* *mp* *ff*

Ob. *più f* *ff*

Bsn. *f* — *più f* *ff* *ff*

1 B♭ Cl. *<f* — *più f* *ff* *mp* *ff*

2 B♭ Cl. *<f* — *più f* *ff* *mp* *ff*

B. Cl. *f*

A. Sx. *più f* *ff* *mp* *ff*

T. Sx. *ff* *mp* *ff*

B. Sx. *f* — *più f* *ff* *mp* *ff*

Hn. *f* — *più f* *ff* *mp* *ff*

2 Hn. *f* — *più f* *ff* *mp* *ff*

1 B♭ Tpt. *più f* *ff* *f*

2 B♭ Tpt. *f* — *più f* *ff* *f*

Tbn. *più f* *ff* *mp* *ff*

Euph. *f* — *più f* *ff* *mp* *ff*

Tuba *f* — *più f* *ff*

Cb.

Pno.

Timp.

Perc. 1 LTOM *più f* MCYM *ff* HTOM MTOM LTOM

Perc. 2 HH *f* > *damp* *più f* > *damp* *ff* LCYM *BD*

Perc. 3 *ff* MCYM > SN

170

// ♩ = 105 *Boldly; evenly*

N

Picc.

1 Fl. 2 Ob. Bsn. 1 B♭ Cl. 2 B. Cl. A. Sx. T. Sx. B. Sx.

Hn. 2 B♭ Tpt. 1 Tbn. Euph. Tuba Cb.

Pno.

Timp.

1 Perc. 2 3

Pitch, Yaw, and Roll

0

Subdued but driving

186

195

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

Picc.
Fl.
Ob.
Bsn.
B♭ Cl.
B. Cl.
A. Sx.
T. Sx.
B. Sx.

Hn.
B♭ Tpt.
Tbn.
Euph.
Tuba
Cb.

Pno.
Timp.

Perc. 1
Perc. 2
Perc. 3

TRI. mp
HH mp
BD
damp
LCYM
SN

Pitch, Yaw, and Roll

P
Dancelike; easy rock

207

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

Picc.
Fl. 1
Fl. 2
Ob.
Bsn.
B♭ Cl. 1
B♭ Cl. 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

Hn. 1
Hn. 2
B♭ Tpt. 1
B♭ Tpt. 2
Tbn.
Euph.
Tuba
Cb.

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

Pno.
Timp.
Perc. 1
Perc. 2
Perc. 3

MTOM
mf

MCYM LCYM
X X X X X X X X

XYL.
f

HH
poco f << f >> mf

SN BD
f

Aggressive; rhythmic

217

5 16 **9 16** **6 16** **5 16** **9 16** **6 16** **5 16**

Picc. *più f*

Fl. 1 *più f*

Fl. 2 *più f*

Ob.

Bsn.

B♭ Cl. 1 *più f*

B♭ Cl. 2 *più f*

B. Cl. *più f*

A. Sx.

T. Sx.

B. Sx.

più f

5 16 **9 16** **6 16** **5 16** **9 16** **6 16** **5 16**

Hn. 1 *più f*

Hn. 2 *più f*

B♭ Tpt. 1 *più f*

B♭ Tpt. 2 *più f*

Tbn. *più f*

Euph.

Tuba

Cb.

più f

5 16 **9 16** **6 16** **5 16** **9 16** **6 16** **5 16**

Pno.

Timp.

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

Perc. 2 > damp > damp > damp > damp f

Perc. 3 SN HH BD ff > + + + >

Pitch, Yaw, and Roll

225

Picc.

Fl. 1 *più f*

Fl. 2 *più f*

Ob. *più f*

Bsn.

B♭ Cl. 1 *ff*

B♭ Cl. 2 *ff*

A. Sx.

T. Sx.

B. Sx.

Hn. 1

Hn. 2 *più f*

B♭ Tpt. 1 *più f*

B♭ Tpt. 2 *REMOVE MUTE*

Tbn. *più f*

Euph.

Tuba *più f*

Cb.

Pno. *più f*

Timp.

Perc. 1 HTOM LTOM *più f*

Perc. 2 MTOM *ff*

Perc. 3 BD SN HH *ff* *più f*

234

(♩ = ♩)

rit. *Suddenly an afterglow;
morendo*

9 16 **6 16** **5 16** **9 16** **4 4**

Picc. **Fl.** **Ob.** **Bsn.** **B. Cl.** **B. Cl.** **A. Sx.** **T. Sx.** **B. Sx.**

Hn. **B. Tpt.** **Tbn.** **Euph.** **Tuba** **Cb.**

Pno. **Perc.** 1 **Perc.** 2 **Perc.** 3

Pitch, Yaw, and Roll

Strong & melodic

243

$\text{J} = 60 \quad \boxed{\text{R}} \quad \text{J} = 100 \quad \text{accel.} \quad \text{J} = 105$

3 4 2 4 3 4 2 4 4 4 3 4

Picc.

Fl. 1

Fl. 2

Ob.

Bsn.

Bb Cl. 1

Bb Cl. 2

B. Cl.

A. Sx.

T. Sx.

B. Sx.

Hn. 1

Hn. 2

Bb Tpt. 1

Bb Tpt. 2

Tbn.

Euph.

Tuba

Cb.

Pno.

Timp.

Perc. 1

Perc. 2

Perc. 3

3 4 2 4 3 4 2 4 4 4 3 4

MTOM HTOM LTOM

pooco f > f BD

poco f < f mf damp

f

* Slide length of stick on rim.

Pitch, Yaw, and Roll

S (♩ = 105)
261 Evenly

T (♩ = 105)
Strong & melodic

2 4 **5 (3+2) 16** **11 (4+3+4) 16** **2 4** **3 4**

Picc.

1
Fl.
2
Ob.
Bsn.
1
B♭ Cl.
2
B. Cl.
A. Sx.
T. Sx.
B. Sx.

2 4 **5 16** **11 16** **2 4** **3 4**

Hn.
2
1
B♭ Ppt.
2
Tbn.
Euph.
Tuba
Cb.

ST. MUTE
mp

REMOVE MUTE
f

ff

ff

OPEN
ff
OPEN

Pno.

Tim.

1
Perc. 2
3

MTOM
ff

HTOM

LTOM

BD

TAMB.
mp
mf
f

SN BD
HH

f damp

f <>

270 $\text{J} = \text{J}$ (except as noted)
Strong but gentler

3 8 **2 4** **3 8** **4 4**

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

1 Fl. *f* *poco f* *f* *ff > f* *fff*

2 Fl. *f* *poco f* *f* *ff > f* *fff*

Ob. *f* *mf* *f* *più f*

Bsn. *f* *poco f* *f* *ff > f* *fff*

1 B♭ Cl. *f* *poco f* *f* *ff > f* *fff*

2 B♭ Cl. *f* *poco f* *f* *ff > f* *fff*

B. Cl. *f* *mf* *f* *più f*

A. Sx. *f* *mf*

T. Sx. *f* *mf*

B. Sx. *f* *mf*

3 8 **2 4** **3 8** **4 4**

Hn. *f* *mf* *f* *ff > f* *fff*

2 Hn. *f* *mf* *f* *ff > f* *fff*

1 B♭ Tpt. *f* *mf* *f* *ff > f* *fff*

2 B♭ Tpt. *f* *mf* *f* *ff > f* *fff*

Tbn. *f* *mf* *f* *ff = f* *fff*

Euph. *f* *mf* *f*

Tuba *f* *mf* *f* *ff = f* *fff*

Cb. *f*

3 8 **2 4** **3 8** **4 4**

Pno. *poco f* *f* *ff* *fff*

Tim. *8va* *(loco)* *8va*

GLOCK. *poco f* *f*

Perc. 1 *MCYM norm* *LCYM* *f*

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

Perc. 3 *MCYM bell* *f*

SN *mf* *f*

BD *HTOM* *MTOM* *LTOM*

ff > f *ffff*