

ORBITAL ECCENTRICITY

for saxophone quartet and saxophone ensemble

Derek M. Jenkins

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*for Zach Shemon
and the
University of Missouri-Kansas City Saxophone Ensemble*

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ORBITAL ECCENTRICITY

for saxophone quartet and saxophone ensemble

Duration:

about 6'30"

Instrumentation:

Quartet:

- 1 Soprano Saxophone
- 1 Alto Saxophone
- 1 Tenor Saxophone
- 1 Baritone Saxophone

Ensemble:

- 1 Soprano Saxophone
- 1 Soprano Saxophone
- 2 Alto Saxophones
- 2 Tenor Saxophones
- 1 Baritone Saxophone
- 1 Bass Saxophone

Program Notes:

Written for Zach Shemon and the UMKC Saxophone Ensemble
for their 2014 performance at the
North American Saxophone Alliance Conference

The title, *orbital eccentricity*, is a term in astrophysics that determines how far the orbit of a celestial body around another body deviates from a perfect circle. In this work, the traditional saxophone ensemble is divided into two opposing groups: a quartet and an octet. These two forces develop their own distinct material, and as the work progresses, these ideas eventually meld together and are then swapped between the two groups.

Performance Notes:

- It is preferable that the quartet is set up separate from the rest of the ensemble.
- Crescendi and decrescendi in measures 27-29 in the ensemble parts should be free and asynchronous. Their placement in the score and parts is entirely arbitrary and only serves as a rough model.
- Crescendi and decrescendi that do not have terminal dynamic (example: measure 48 in the Ensemble Soprano Sax.) should be played only as a slight swell.
- From Rehearsal M to Rehearsal N, the two sixteenth sixteenth rest sixteenth motif is the most important part of the texture and should be very pronounced at each and every occurrence of it in all parts.

Contact:

Derek M. Jenkins
(563) 590-4975

derek@derekmjenkins.com
www.derekmjenkins.com

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Transposed Score

for Zach Shemon and the UMKC Saxophone Ensemble

ORBITAL ECCENTRICITY

for saxophone quartet and saxophone ensemble

Derek M. Jenkins (b. 1986)
Kansas City, MO - Winter 2014

slowly unfolding (♩ = 60)

The musical score is written for a saxophone quartet and a saxophone ensemble. It is in 4/4 time and begins with a tempo marking of "slowly unfolding" and a metronome marking of 60 beats per minute. The score is divided into two systems. The first system includes parts for Soprano Sax in Bb, Alto Sax in Eb, Tenor Sax in Bb, and Baritone Sax in Eb. The second system includes parts for Sopranino Sax in Eb, Soprano Sax in Bb, Alto Sax I and II in Eb, Tenor Sax I and II in Bb, Baritone Sax in Eb, and Bass Sax in Bb. The music features a variety of dynamics, including *ppp*, *p*, and *n* (normal), with crescendos and decrescendos. A large "PERUSAL COPY" watermark is overlaid diagonally across the page.

ORBITAL ECCENTRICITY

The musical score is arranged in two systems. The first system includes the Violin I (Vn I), Violin II (Vn II), Viola (Vla), and Cello (Vcl) staves. The second system includes the Snare Drum (Sn), Bass Drum (Bs), and Bassoon (Bsn) staves. The score is in 5/4 time, with a 4/4 time signature at the end of each system. A large 'PERUSAL COPY' watermark is overlaid diagonally across the page. Performance markings include *ppp* (pianissimo), *p* (piano), and *n* (normal). Dynamics are indicated with hairpins and slurs. The piece features complex rhythmic patterns, including a quintuplet in the first measure of the first system.

ORBITAL ECCENTRICITY

Q U A R T E T

Soprano (S), Alto (A), Tenor (T), Bass (B)

8 **A** $\frac{4}{4}$ $\frac{3}{4}$

Sn

8 **A** $\frac{4}{4}$ $\frac{3}{4}$

E N S E M B L E

I, II, I, II, B, Bs

n, *ppp*, *p*, *ppp*, *p*, *ppp*, *ppp*, *p*, *ppp*, *p*, *ppp*, *p*, *ppp*, *p*

ORBITAL ECCENTRICITY

QUARTET

ENSEMBLE

10 $\frac{3}{4}$ $\frac{4}{4}$

Soprano (S): ppp

Alto (A): ppp

Tenor (T): ppp

Bass (B): $\frac{3}{4}$ $\frac{4}{4}$

10 Snare Drum (Sn): p ppp p $\frac{4}{4}$

Soprano (S): ppp p

Ensemble (E):

I: p ppp

II: ppp p

Bass Drum (B): ppp

Bass (Bs): $\frac{3}{4}$ $\frac{4}{4}$ pp

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ORBITAL ECCENTRICITY

faster, groove (♩ = 120)

Q
U
A
R
T
E
T

Musical score for the Quartet section (Soprano, Alto, Tenor, Bass) in 4/4 time. The tempo is marked 'faster, groove (♩ = 120)'. The score consists of four staves. The Soprano staff (S) has a whole rest in the first three measures and a quarter note with a five-measure slur in the fourth measure. The Alto staff (A) has a half note with a fermata in the first measure, followed by eighth notes in the second and fourth measures, and a quarter note with a fermata in the fifth measure. The Tenor staff (T) has a half note with a fermata in the first measure, followed by eighth notes in the second and fourth measures, and a quarter note with a fermata in the fifth measure. The Bass staff (B) has a whole rest in the first three measures and a quarter note with a fermata in the fourth measure. Dynamics include *f*, *p*, and *ppp*. A large 'PERUSAL COPY' watermark is overlaid on the score.

faster, groove (♩ = 120)

E
N
S
E
M
B
L
E

Musical score for the Ensemble section (Snare, Soprano, I, II, III, II, Bass, Bass) in 4/4 time. The tempo is marked 'faster, groove (♩ = 120)'. The score consists of eight staves. The Snare (Sn) staff has a half note with a fermata in the first measure. The Soprano (S) staff has a half note with a fermata in the first measure. The I, II, III, and II staves have a half note with a fermata in the first measure. The Bass (B) staff has a half note with a fermata in the first measure. The Bass (Bs) staff has a half note with a fermata in the first measure. Dynamics include *pp*, *ppp*, and *f*. A large 'PERUSAL COPY' watermark is overlaid on the score.

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ORBITAL ECCENTRICITY

B tempo I (♩ = 60)

QUARTET

Musical score for the Quartet section, featuring Soprano (S), Alto (A), Tenor (T), and Bass (B) staves. The music begins at measure 16 with a dynamic of *f* for the Soprano and *ppp* for the Tenor. The section concludes with a 3/4 time signature and a *ppp* dynamic.

B tempo I (♩ = 60)

ENSEMBLE

Musical score for the Ensemble section, featuring Snare Drum (Sn), Soprano (S), I (I), II (II), III (III), Tenor (T), II (II), Bass (B), and Bass Drum (Bs) staves. The music begins at measure 16 with dynamics ranging from *pp* to *mp*. The section concludes with a 3/4 time signature and a *ppp* dynamic.

ORBITAL ECCENTRICITY

tempo II (♩ = 120)

19

Q
U
A
R
T
E
T
B

S
A
T
B

tempo II (♩ = 120)

19

E
N
S
E
M
B
L
E

Sn
S
I
A
II
I
T
II
B
Bs

The musical score is divided into two systems. The first system, labeled 'QUARTET', includes parts for Soprano (S), Alto (A), Tenor (T), and Bass (B). The second system, labeled 'ENSEMBLE', includes parts for Snare Drum (Sn), Soprano (S), Alto (A), II Horn (II), I Horn (I), Tenor (T), II Bassoon (II), Bassoon (B), and Bass Drum (Bs). The score begins at measure 19. The tempo is marked 'tempo II' with a quarter note equal to 120. The time signature changes from 3/4 to 4/4 at measure 20. Dynamics include fortissimo (f), piano (p), fortissimo piano (fp), and mezzo-piano (mp). A large, diagonal watermark reading 'PERUSAL COPY' is overlaid across the entire page.

ORBITAL ECCENTRICITY

QUARTET

Soprano (S)
Alto (A)
Tenor (T)
Bass (B)

ENSEMBLE

Snare (Sn)
Soprano (S)
Alto (A)
Tenor (T)
Bass (Bs)

23

3/4 4/4

p *f* *pp* *f* *fp*

f *fp* *f* *fp*

f *fp* *f* *fp*

23

3/4 4/4

f *fp*

PERUSAL COPY

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

Musical score for Quartet (Soprano, Alto, Tenor, Bass). The score is in 3/4 time and starts at measure 27. Each part begins with a dynamic of *f*. In measure 28, there is a trill marked *tr* with a wavy line above it, and the dynamic changes to *ppp*. In measure 29, the dynamic returns to *f*. The score ends at measure 30 with a final *f* dynamic.

E
N
S
E
M
B
L
E

Musical score for Ensemble (Snare, Soprano, Alto, Tenor I, Tenor II, Bass, Bassoon). The score is in 3/4 time and starts at measure 27. The Snare part begins with a dynamic of *p* and a crescendo to *mf*, then a decrescendo to *p* with the instruction *sim.**. The other parts (Soprano, Alto, Tenor I, Tenor II, Bass, Bassoon) begin with a dynamic of *p* and a crescendo to *mf*, then a decrescendo to *p* with the instruction *sim.**. In measure 29, the dynamic changes to *ppp*. The score ends at measure 30 with a final *ppp* dynamic.

* - Crescendi and decrescendi should be free and asynchronous.
Their placement in the score and parts is entirely arbitrary and only serves as a rough model.

ORBITAL ECCENTRICITY

C

Q
U
A
R
T
E
T
B

Musical score for Quartet B, measures 32-36. The score consists of four staves: Soprano (S), Alto (A), Tenor (T), and Bass (B). The time signature changes from 3/4 to 4/4 at measure 33, and then to 5/4 at measure 35. Dynamics include *f*, *p*, *pp*, and *ppp*. A 'C' rehearsal mark is placed above the first measure.

C

E
N
S
E
M
B
L
E

Musical score for Ensemble, measures 32-36. The score consists of seven staves: Snare Drum (Sn), Soprano Saxophone (S), Alto Saxophone (A), Tenor Saxophone (T), Bass Saxophone (B), and Bass Drum (Bs). The time signature changes from 3/4 to 4/4 at measure 33, and then to 5/4 at measure 35. Dynamics include *f*, *ppp*, and *p*. A 'C' rehearsal mark is placed above the first measure.

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

37

S *p* *pp* *p* *pp* *p*

A *p* *pp* *p* *pp* *p*

T

B

E
N
S
E
M
B
L
E

37

Sn *p*

S *ppp* *ppp*

I *ppp*

II *p* *p*

I *p*

II *ppp* *p*

B *p* *p*

Bs

ORBITAL ECCENTRICITY

poco a poco rit.-----

Q
U
A
R
T
E
T

40

S

A

T

B

p

poco a poco rit.-----

E
N
S
E
M
B
L
E

40

Sn

S

A

T

B

p

p

pp

p

pp

p

p

poco a poco rit.-----

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

S
A
T
B

43

5/4

5/4

5/4

Sn

S

E
N
S
E
M
B
L
E

I
A
II
I
II

B
Bs

43

5/4

5/4

5/4

The musical score is written for a quartet and an ensemble. The quartet consists of Soprano (S), Alto (A), Tenor (T), and Bass (B). The ensemble includes Snare (Sn), Saxophone (S), Trumpet (I), Trombone (II), Bass (B), and Bassoon (Bs). The score is in 5/4 time and begins at measure 43. The music features complex rhythmic patterns, including eighth and sixteenth notes, and rests. A large, diagonal watermark reading 'PERUSAL COPY' is overlaid across the entire page.

ORBITAL ECCENTRICITY

tempo II (♩ = 120)

D

Q
U
A
R
T
E
T

Musical score for String Quartet (Violin I, Violin II, Viola, Cello). The score is in 5/4 time, transitioning to 4/4 time at measure 45. It features dynamic markings of *f*, *fp*, and *f*. A large 'PERUSAL COPY' watermark is overlaid on the score.

tempo II (♩ = 120)

D

E
N
S
E
M
B
L
E

Musical score for Ensemble (Snare Drum, Bass Drum, Cymbals, Percussion, Bass). The score is in 5/4 time, transitioning to 4/4 time at measure 45. It features dynamic markings of *p* and *f*. A large 'PERUSAL COPY' watermark is overlaid on the score.

ORBITAL ECCENTRICITY

The musical score is arranged in two systems. The first system includes a Quartet (Soprano, Alto, Tenor, Bass) and the beginning of a Brass Ensemble (Snare Drum, Soprano Saxophone, Alto Saxophone, Tenor Saxophone, Bass Saxophone). The second system continues the Brass Ensemble (Soprano Saxophone, Alto Saxophone, Tenor Saxophone, Bass Saxophone, Baritone Saxophone, Bass Drum). The score is marked with a 'solo' instruction and a dynamic of *f* for the Soprano part. The Brass Ensemble parts feature *pp* dynamics and include crescendo and decrescendo markings. A large 'PERUSAL COPY' watermark is overlaid diagonally across the page.

* - These crescendi and decrescendi should be played only as a slight swell.

ORBITAL ECCENTRICITY

QUARTET

50

Soprano

Alto

Tenor

Bass

50

Snare

Soprano

Violin

II

I

II

Bass

Bass

pp < > *pp*

pp

pp < > *pp*

pp

pp < > *pp*

pp < > *pp*

pp < > *pp*

pp < > *pp*

f

f

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

S
A
T
B

53

E

solo
f

PERUSAL COPY

53

Sn
S
E
I
N
A
S
II
M
I
B
T
L
II
B
Bs

pp < > *pp*

pp < > *pp*

pp

pp < > *pp*

pp < > *pp*

pp

pp < > *pp*

pp

pp < > *pp*

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

56

S
A
T
B

fp \langle \rangle *f*

E
N
S
E
M
B
L
E

56

Sn
S
I
A
II
I
II
B
Bs

pp \langle \rangle *pp*

pp \langle \rangle *pp*

pp

pp \langle \rangle *pp*

pp \langle \rangle *pp*

pp

pp \langle \rangle *pp*

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

59

Soprano (S): *p* 5

Alto (A): *p* 5

Tenor (T): *p*

Bass (B): *p*

E
N
S
E
M
B
L
E

59

Snare (Sn): *pp* < > *pp*

Soprano (S): *pp* < > *pp*

Flute (Fl): *pp*

Clarinet (Cl): *pp* < > *pp*

Bassoon (Bs): *pp*

Trumpet (T): *pp*

Trombone (B): *pp*

Bass (Bs): *pp* < > *pp*

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T
B

62 **F**

S

f *fp*

f *fp*

f *fp*

f *fp*

3/4 2/4 4/4

E
N
S
E
M
B
L
E

62 **F**

Sn

S

mf *f* *mf*

mf *f* *mf*

mf *f* *mf*

mf *f* *mf*

3/4 2/4 4/4

Bs

3/4 2/4 4/4

ORBITAL ECCENTRICITY

QUARTET

65

f *fp* *f* *fp* *f* *fp* *f* *fp*

65

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

PERUSAL COPY

ENSEMBLE

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

Bs

ORBITAL ECCENTRICITY

QUARTET

68

4/4

f fp

f p

fp

3/4

Sn

68

4/4

p

p

p

p

3/4

ENSEMBLE

68

4/4

3/4

ORBITAL ECCENTRICITY

QUARTET

71

G

Soprano (S), Alto (A), Tenor (T), Bass (B)

71

Snare (Sn), Soprano (S), Alto (A), Tenor (T), Bass (Bs)

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ORBITAL ECCENTRICITY

QUARTET

74

This page contains musical notation for a Quartet and an Ensemble. The Quartet section (top) features four staves labeled S, A, T, and B. The Ensemble section (bottom) includes Snare, Strings, and Bass. The score is divided into three measures with time signatures of 4/4, 3/4, and 4/4. Dynamics include *f*, *fp*, and *mf*. A large 'PERUSAL COPY' watermark is overlaid on the page.

S

A

T

B

Sn

S

II

I

II

B

Bs

PERUSAL COPY

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

78

S
A
T
B

f fp *f fp* *f fp* *f fp*

E
N
S
E
M
B
L
E

78

Sn
S
I
II
I
II
B
Bs

mf *f* *mf* *f*

mf *f* *mf* *fp*

mf *f* *mf* *fp*

p

ORBITAL ECCENTRICITY

QUARTET

81

f fp f fp *p* *fp* *fp*

f fp f fp

f fp f fp

f fp f fp

f fp f fp

3/4 4/4 3/4

81

f

pp *p*

pp

p *f* *f* *f*

p *f* *f* *f*

p *f* *f* *f*

p *f* *f* *f*

3/4 4/4 3/4

p *f*

ORBITAL ECCENTRICITY

H tempo I (♩ = 60)

QUARTET

85

3/4 5/4 4/4

mf > *ppp* *ppp* < *p* > *ppp*

fp > *mf* > *ppp* *ppp* < *p* > *ppp* *ppp* < *p* > *ppp*

mf > *pp* *p* *ppp* < *p* > *ppp*

85

3/4 5/4 4/4

H tempo I (♩ = 60)

ENSEMBLE

Sn

S

I

A

II

E

M

B

T

II

B

Bs

ORBITAL ECCENTRICITY

The musical score is arranged in two systems. The first system includes the string quartet (Violin I, Violin II, Viola, and Cello) and the beginning of the brass section (Trumpet I and II). The second system continues the brass section (Trumpet III, Trombone I, Trombone II, and Bass Trombone). The strings play a melodic line with dynamic markings of *ppp* and *p*. The brass instruments play a sustained harmonic accompaniment. A large, diagonal watermark reading "PERUSAL COPY" is overlaid across the entire page.

ORBITAL ECCENTRICITY

94 freely (ca. ♩ = 60)

Q
U
A
R
T
E
T
B

S
A
T
B

94 freely (ca. ♩ = 60)

Sn
S
E
I
N
A
S
I
I
M
B
L
E
I
I
B
S

PERUSAL COPY

30

ORBITAL ECCENTRICITY

I tempo II (♩ = 120)

QUARTET

Measures 97-100 of the Quartet section. The score is in 4/4 time. The Soprano (S) part begins in measure 98 with a *pp* dynamic, playing a sixteenth-note pattern. The Alto (A) part plays a similar pattern in measure 97. The Tenor (T) and Bass (B) parts are silent.

I tempo II (♩ = 120)

ENSEMBLE

Measures 97-100 of the Ensemble section. The score is in 4/4 time. The Snare Drum (Sn) part has a *f* dynamic in measure 97 and a *sol* section in measure 100. The Soprano (S), Alto (A), Tenor I (I), Tenor II (II), Trombone I (I), Trombone II (II), Bass (B), and Bass Drum (Bs) parts all have a *f* dynamic in measure 97. The Bass Drum (Bs) part has a *sol* section in measure 100.

ORBITAL ECCENTRICITY

QUARTET

100

pp

pp

pp

ENSEMBLE

100

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

103

The first system of the quartet score covers measures 103 to 105. It consists of four staves: Soprano (S), Alto (A), Tenor (T), and Bass (B).
- Measure 103: Soprano has a quarter rest, followed by a quarter note G4. Alto has a quarter note G4, followed by a quarter note A4. Tenor and Bass have whole rests.
- Measure 104: Soprano has a sixteenth-note triplet (G4, A4, B4) beamed together, followed by another sixteenth-note triplet (G4, A4, B4). Alto has a quarter note G4, followed by a quarter note A4. Tenor and Bass have whole rests.
- Measure 105: Soprano has a quarter rest, followed by a quarter note G4. Alto has a quarter note G4, followed by a quarter note A4. Tenor and Bass have whole rests.
Dynamics: *pp* (pianissimo) is indicated in the Soprano part in measure 104 and the Alto part in measure 105.

E
N
S
E
M
B
L
E

103

The ensemble score covers measures 103 to 105. It consists of nine staves: Snare Drum (Sn), Soprano (S), I (I), II (II), I (I), II (II), B (B), and Bass (Bs).
- Measure 103: Snare Drum has a quarter note G4 with an accent (>), followed by a quarter note A4. Soprano, I, II, B, and Bs have whole rests.
- Measure 104: Snare Drum has a quarter note G4 with an accent (>), followed by a quarter note A4. Soprano, I, II, B, and Bs have whole rests.
- Measure 105: Snare Drum has a quarter note G4 with an accent (>), followed by a quarter note A4. Soprano, I, II, B, and Bs have whole rests.
Dynamics: *f* (forte) is indicated in the Snare Drum part in measure 104 and in the I, II, B, and Bs parts in measure 105.

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

J

106

S

pp

A

pp

T

B

E
N
S
E
M
B
L
E

J

106

Sn

soli

S

f

fp

f

A

II

I

II

B

soli

f

fp

f

Bs

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

109

S

A

T

B

pp

pp

E
N
S
E
M
B
L
E

109

Sn

S

I

A

II

I

II

B

Bs

f

f

f

f

f

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T
B

112

K

S

pp *mf* *f* *mf*

3/4 2/4

A

mf *f* *mf*

T

mf *f* *mf*

B

3/4 2/4

E
N
S
E
M
B
L
E

112

K

Sn

3/4 2/4

S

p *f* *fp* *f* *fp*

5

I

p *f* *fp* *f* *fp*

5

A

p *f* *fp* *f* *fp*

5

II

p *f* *fp* *f* *fp*

5

B

p *f* *fp* *f* *fp*

5

Bs

3/4 2/4

ORBITAL ECCENTRICITY

QUARTET

115

2/4 4/4 3/4

f *mf* *f*

115

2/4 4/4 3/4

f *fp* *f* *fp*

f *fp* *f* *fp*

f *fp* *f* *fp*

f *fp* *f* *fp*

ORBITAL ECCENTRICITY

QUARTET

118

4/4

Sn

118

4/4

ENSEMBLE

118

4/4

Bs

PERUSAL COPY

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

125

Soprano (S): $4/4$ f mf $3/4$ f mf

Alto (A): $4/4$ f mf $3/4$ f mf

Tenor (T): $4/4$ f mf $3/4$ f

Bass (B): $4/4$ f $3/4$

E
N
S
E
M
B
L
E

125

Snare (Sn): $4/4$ f f fp $3/4$ f fp

Soprano (S): $4/4$ f f fp $3/4$ f fp

Alto (A): $4/4$ f f fp $3/4$ f fp

Tenor (T): $4/4$ f f fp $3/4$ f fp

Bass (Bs): $4/4$ f f fp $3/4$ f fp

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

128

S

A

T

B

4/4

f *mf*

E
N
S
E
M
B
L
E

128

Sn

S

I

A

II

I

II

B

Bs

4/4

f *fp*

ORBITAL ECCENTRICITY

QUARTET

130

Soprano (S), Alto (A), Tenor (T), Bass (B)

ENSEMBLE

Soprano (Sn), Alto (S), Tenor I (I), Tenor II (II), Bass (B), Bassoon (Bs)

f, *mf*, *fp*

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

Musical score for Quartet (Soprano, Alto, Tenor, Bass) starting at measure 133. The score is written in treble clef with a key signature of one flat (B-flat). The Soprano part begins with a melodic line of eighth notes. The Alto part follows with a similar rhythmic pattern. The Tenor part has a more active line with eighth and sixteenth notes. The Bass part provides a steady accompaniment with eighth notes. Dynamics include *fp* (fortissimo piano), *f* (forte), and *p* (piano).

E
N
S
E
M
B
L
E

Musical score for Ensemble (Snare, Soprano, Alto, Tenor, Bass) starting at measure 133. The Snare drum part features a rhythmic pattern of eighth notes. The Soprano, Alto, Tenor, and Bass parts have melodic lines with various dynamics including *f* (forte), *p* (piano), and *pp* (pianissimo). The score includes a large 'PERUSAL COPY' watermark.

ORBITAL ECCENTRICITY

QUARTET

137 **M**

Soprano (S): *f*, *fp*, *f*

Alto (A): *f*, *fp*, *f*

Tenor (T):

Bass (B):

ENSEMBLE

137 **M**

Snare (Sn): *f*

Strings (S): *f*

I: *f*, *p*

II: *f*, *p*

III: *f*, *p*

IV: *f*, *p*

Bassoon (B): *f*

Bass (Bs): *f*

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

139

Musical score for the first system of the quartet, measures 139-142. The system includes staves for Soprano (S), Alto (A), Tenor (T), and Bass (B). The Soprano part begins with a forte (*f*) dynamic and features a melodic line with accents. The Alto part has a forte (*f*) dynamic and a melodic line with a slur. The Tenor part starts with a forte (*f*) dynamic and includes a piano (*fp*) section. The Bass part begins with a forte (*f*) dynamic and has a melodic line with a slur. Dynamics include *f*, *fp*, and *fp* with a hairpin.

E
N
S
E
M
B
L
E

139

Musical score for the ensemble, measures 139-142. The system includes staves for Snare Drum (Sn), Strings (S), Violin I (I), Violin II (II), Viola (V), Cello (C), and Bass (Bs). The Snare Drum part has a forte (*f*) dynamic and a melodic line with a slur. The Strings part begins with a forte (*f*) dynamic and includes a piano (*p*) section. The Violin I part has a piano (*pp*) dynamic and a melodic line with a slur. The Violin II part has a piano (*pp*) dynamic and a melodic line with a slur. The Viola part has a piano (*pp*) dynamic and a melodic line with a slur. The Cello part begins with a forte (*f*) dynamic and includes a piano (*p*) section. The Bass part starts with a forte (*f*) dynamic and has a melodic line with a slur. Dynamics include *f*, *p*, and *pp*.

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

141

Soprano (S): *f*

Alto (A): *f*

Tenor (T): *f*

Bass (B): *f*

5/4

E
N
S
E
M
B
L
E

141

Snare (Sn): *pp*, *f*, *p*

Soprano (S): *pp*, *f*, *p*, *f*

Alto (A): *pp*, *p*

II: *f*, *p*, *pp*, *f*, *p*

I: *f*, *p*, *pp*, *f*, *p*

II: *pp*, *p*

Bass (B): *pp*, *f*, *p*, *f*

Bassoon (Bs): *pp*, *f*, *p*

5/4

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T

Musical score for the Quartet section, measures 143-146. The score is in 5/4 time and ends with a 4/4 time signature. The instruments are Soprano (S), Alto (A), Tenor (T), and Bass (B). The Soprano part features a melodic line with a fermata and a dynamic marking of *f*. The Alto part has a similar melodic line with a dynamic marking of *f*. The Tenor part has a more rhythmic line with a dynamic marking of *ppp*. The Bass part has a melodic line with a dynamic marking of *f*. A large watermark 'PERUSAL COPY' is overlaid on the score.

E
N
S
E
M
B
L
E

Musical score for the Ensemble section, measures 143-146. The score is in 5/4 time and ends with a 4/4 time signature. The instruments are Snare (Sn), Soprano (S), Flute I (I), Flute II (II), Clarinet I (I), Clarinet II (II), Bassoon (B), and Bass (Bs). The Snare part has a dynamic marking of *f*. The Soprano part has a dynamic marking of *p*. The Flute I part has dynamic markings of *pp* and *f*. The Flute II part has dynamic markings of *pp* and *f*. The Clarinet I part has dynamic markings of *pp* and *f*. The Clarinet II part has dynamic markings of *pp* and *f*. The Bassoon part has a dynamic marking of *p*. The Bass part has a dynamic marking of *f*. A large watermark 'PERUSAL COPY' is overlaid on the score.

ORBITAL ECCENTRICITY

Q
U
A
R
T
E
T
B

S
A
T
B

N tempo I (♩ = 60) tempo II (♩ = 120)

S
o
pn
S
A
II
I
T
B
S
Bs

