

Algorithmic Transform for symphonic band

1. *Improvisation* • 2. *Pen & Paper* • 3. *Tree Fractal*

Dan Tepfer

March – April 2015

Premiered April 22 2015 in the Spanish Hall of the Prague Castle
by the Prague Castle Guard Orchestra, Vaclav Blahunek conductor

Instrumentation

2 Flutes (1st doubling Piccolo)

Oboe

English Horn

2 Bassoons (2nd doubling Contrabassoon)

Clarinet in Eb

10 Clarinets in Bb

Bass Clarinet in Bb

Soprano Saxophone

Alto Saxophone

2 Tenor Saxophones

Baritone Saxophone

4 Trumpets in Bb

3 Horns in F

3 Trombones

Bass Trombone

2 Tubas

Timpani

Marimba

Vibraphone

2 Xylophones

Double Bass

Duration: 12 minutes

Algorithmic Transform 1 : Improvisation

Dan Tepfer

=105

Piccolo

C Flute

C Oboe 1
p secco

F English Horn
p

C Bassoon 1

Contrabassoon

E♭ Clarinet

B♭ Clarinet 1 (4 clars)

B♭ Clarinet 2 (3 clars)

B♭ Clarinet 3 (3 clars)

B♭ Bass Clarinet

Soprano Saxophone

E♭ Alto Saxophone 2

B♭ Tenor Saxophone 1

B♭ Tenor Saxophone 2

E♭ Baritone Saxophone

B♭ Trumpet 1

B♭ Trumpet 2

B♭ Trumpet 3

F Horn 1

F Horn 2

C Trombone 1

C Trombone 2

C Trombone 3

C Bass Trombone

C Tuba 1, 2

mf

a 4 secco

mf

2

6

Picc.

Fl.

Ob. 1

Eng. Hn.

Cbsn.

Cl. 1
siempre secco
mp
p

Cl. 2
mp
p

B. Cl.
mf

ff

ff

=

12

Picc.

Fl.

Ob. 1

Eng. Hn.

Bsn. 1

Cbsn.

Cl. 1
pp

Cl. 2
pp

B. Cl.
f

mf

=

17

Picc.

Fl.
f

Ob. 1

Eng. Hn.

Bsn. 1

Cbsn.
f

Cl. 1

Cl. 2
p

f

f

3

Picc. *sff*

Fl. *sff* — *mf*

Ob. 1 *f*
siempre secco

Eng. Hn. *f*
siempre secco

Cbsn. *ff* *sff* — *mp*

Cl. 1 *pp* *siempre secco*
siempre secco

Cl. 2 *pp*

B. Cl. *ff* *sff* — *sff*

Bari. Sax. *ff* *sff* — *sff*

B. Tbn. *ff* *sff* — *sff*

Tba. *ff* *sff* — *sff*

≡

27 [A] *poco accel.* ♩=115

Picc. *f*

Fl. *ff* — *f* —

Cbsn. *f*

Cl. 1 1. *mp* a 2
Cl. 2 1. *pp* *mp* a 2

Sop. Sax. — — *f* — —

A. Sax. 2 *secco*
pp *p* *secco*

T. Sax. 1 — — *p* — —

Bari. Sax. — — *f* — —

4

Fl. *f*

Ob. 1

Eng. Hn.

E♭ Cl. *f*

Cl. 1
a 3 (add clar on top voice)

Cl. 2

Cl. 3 *f*

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

Bari. Sax.



B

Ob. 1 *f* *mp*

Cl. 1 *mf* *ff*

Cl. 2 *mf* *ff*

Cl. 3 *f* *ff*

Sop. Sax. *mp* *ff*

A. Sax. 2 *mf* *ff*

T. Sax. 1 *mf* *ff*

T. Sax. 2 *mf* *ff*

Bari. Sax. *f* *ff*

Tpt. 1 *f*

Tpt. 2

Tpt. 3 *mf*

Hn. 1

Hn. 2 *mf* *f*

Tbn. 1 *f*

Tbn. 2 *espr.*

Tbn. 3 *mf* *espr.* *mf*

B. Tbn. *f*

Picc. *mp* *espr.*

Cbsn. *f*

Tpt. 1

Tpt. 2

Tpt. 3

Hn. 1 *p* *f*

Hn. 2 *p* *f*

Tbn. 1 *espr.*

Tbn. 2 *f* *espr.*

Tbn. 3 *f*

B. Tbn. *f*

52

Picc

Fl.

Cl. 1

Tpt. 1

Tpt. 2

Tpt. 3

Hn. 1

Hn. 2

Tbn. 1

Tbn. 2

Tbn. 3

B. Tbn.

Tba

p

f

f

pp

mf

f

f

a 2



62

Picc. (8) *sfz* *mf* *sfz*

Fl. *sfz* *mf*

Ob. 1

Eng. Hn.

Bsn. 1 *mf*

Cbsn. *mf*

E♭ Cl. *mf* *p* *mf*

Cl. 1 *mf* *sfz*

Cl. 2 *ff* *sfz* *f*

Cl. 3 *ff* *sfz*

B. Cl. *mf* *ff* *sfz*

Sop. Sax.

B. Tbn. *mf* *sfz* *p* *mf*

Tba. *sfz* *mf* *sfz*

67

Picc. (8) *sfz* *sfz* *p*

Fl. *sfz* *sfz*

Ob. 1

Eng. Hn.

Bsn. 1

Cbsn. *p* *mf*

Cl. 1 *pp*

Cl. 2 *mp* *f* *pp*

Cl. 3 *mp* *f*

B. Cl. *sfz*

Tpt. 1 *sfz* *mf* *f* solo espr. *3*

Tpt. 2 *p* *mf*

B. Tbn. *sfz*

Tba. *sfz* *sfz*

D

8

72

Picc.

Fl.

Ob. 1

Eng. Hn.

Bsn. 1

Cl. 1

Cl. 2

Tpt. 1

Tpt. 2

Tpt. 3

Hn. 1

B. Tbn.

Tba.

sfz

mp

ff

p

mf

p

mf

ff

mf

cuvrè

p

a2

pp

ff

77 E

Picc.

Fl.

Ob. 1

Eng. Hn.

Bsn. 1

Cbsn.

E♭ Cl.

Cl. 1

Cl. 2

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

Tbn. 1

B. Tbn.

Tba.

f

sfz

f

mp

f

mp

f

mp

f

mp

f

sfz

mp

f

81

Picc. *sfz*

Fl. *sfz*

Ob. 1 *sfz*

Eng. Hn.

Bsn. 1 *fp*

Cbsn. *ff*

() = ossia *ff*

Cl. 1 *fp*

Cl. 2 *sfz*

B. Cl. *fp*

Sop. Sax. *sfz*

A. Sax. 2 *sfz*

T. Sax. 1 *sfz*

T. Sax. 2 *sfz*

Bari. Sax. *sfz*

Tpt. 1 *sfz*

Tpt. 2 *sfz*

Tpt. 3 *sfz*

Hn. 1 *sfz*

Tbn. 1 *fp*

B. Tbn. *ff*

Tha. *ff*

Algorithmic Transform 2 : Pen & Paper

135

C Flute 1
C Flute 2
C Oboe 1
F English Horn
C Bassoon 1
C Bassoon 2
E♭ Clarinet
B♭ Clarinet 1 (4 clars)
B♭ Clarinet 2 (3 clars)
B♭ Clarinet 3 (3 clars)
B♭ Bass Clarinet
Soprano Saxophone
E♭ Alto Saxophone 2
B♭ Tenor Saxophone 1
B♭ Tenor Saxophone 2
E♭ Baritone Saxophone
B♭ Trumpet 1
B♭ Trumpet 2
B♭ Trumpet 3
B♭ Trumpet 4
F Horn 1
F Horn 2
F Horn 3
C Trombone 1
C Trombone 2
C Trombone 3
C Bass Trombone
C Tuba 1, 2

2

Fl. 1

Fl. 2

Ob. 1

Eng. Hn.

Bsn. 1

Bsn. 2

E♭ Cl.

Cl. 1

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Bari. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Tpt. 4

Hn. 1

Hn. 2

Hn. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tba.

17

Fl. 1 solo *f* *ff* *mf* *mf* *f > mp*
Fl. 2 solo *ff* *mf* *mf* *f > mp* *espr.*
Ob. 1 *mf* *ff* *mf* *f > mp* *mp* *espr.*
Eng. Hn. *mf* *mf* *mf* *f > mp* *mp*
Bsn. 1
Bsn. *mf* *ff* *mf* *p* *mf* *> p*
Eb Cl.
Cl. 1 *pp* *mf > pp* *p* *mf >* *mf > pp* *mp*
Cl. 2 *a 2* *p* *mf* *pp*
Cl. 3 *pp*
B. Cl. *pp* *ff* *mf* *p* *mf* *> p*
Sop. Sax.
A. Sax. 2
T. Sax. 1 *ff*

Tpt. 1 solo *mf*
Hn. 1 *mf*
Hn. 2 *ff* *mf*
Hn. 3 *ff* *mf*
Tbn. 1 *mf* *ff* *mf* *p* *mf* *> p*
Tbn. 2 *ff* *mf* *p* *mf* *> p*
Tbn. 3 *ff* *mf* *p* *mf* *> p*
B. Tbn. *mf* *ff* *mf*
Tba. *ff* *mf* *p* *mf* *> p*

4

Fl. 1 *mp* — *f* *f*

Fl. 2 *mp* — *f* *f*

Ob. 1 *mp* — *f* *f*

Eng. Hn. *mp* — *f*

Bsn. 1 *f*

Bsn. *f*

Eb Cl. *p* — *mf* — *pp*

Cl. 1 *pp*

Cl. 2 *mp* — *f* — *mp*

Cl. 3 *mp* — *f* — *mp*

B. Cl. *f*

Sop. Sax.

A. Sax. 2

T. Sax. 1

Hn. 1 *f*

Hn. 2 *f*

Tbn. 1 *f*

Tbn. 2 *f*

B. Tbn.

Tba. *f*

Fl. 1

Fl. 2

Ob. 1

Eng. Hn.

Bsn. 1

Bsn.

E♭ Cl.

Ci. 1

Ci. 2

Ci. 3

B. Cl.

Tpt. 1

Hn. 1

Hn. 2

Hn. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tba.

6

Fl. 1

Fl. 2

Ob. 1

Eng. Hn.

Bsn. 1

Bsn. 2

E♭ Cl.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Bari. Sax.

Tpt. 1

Tpt. 2

Hn. 1

Tbn. 1

Tbn. 2

B. Tbn.

Tba.

Flute 1: dynamic ff, slurs, grace notes, 3/4 time signature.

Flute 2: dynamic sfz, slurs, grace notes, 3/4 time signature.

Oboe 1: dynamic ff, slurs, grace notes, 3/4 time signature.

English Horn: dynamic ff, slurs, grace notes, 3/4 time signature.

Bassoon 1: dynamic f, slurs, grace notes, 3/4 time signature.

Bassoon 2: dynamic fp, slurs, grace notes, 3/4 time signature.

E♭ Clarinet: dynamic f, slurs, grace notes, 3/4 time signature.

Clarinet 1: dynamic ff, slurs, grace notes, 3/4 time signature.

Clarinet 2: dynamic sfz, slurs, grace notes, 3/4 time signature.

Clarinet 3: dynamic sfz, slurs, grace notes, 3/4 time signature.

Bass Clarinet: dynamic ff, slurs, grace notes, 3/4 time signature.

Soprano Saxophone: dynamic f, slurs, grace notes, 3/4 time signature.

Alto Saxophone 2: dynamic ff, slurs, grace notes, 3/4 time signature.

Tenor Saxophone 1: dynamic sfz, slurs, grace notes, 3/4 time signature.

Tenor Saxophone 2: dynamic p, slurs, grace notes, 3/4 time signature.

Bass Saxophone: dynamic sfz, slurs, grace notes, 3/4 time signature.

Trombone 1: dynamic f, slurs, grace notes, 3/4 time signature.

Trombone 2: dynamic p, slurs, grace notes, 3/4 time signature.

Horn 1: dynamic sfz, slurs, grace notes, 3/4 time signature.

Tuba 1: dynamic f, slurs, grace notes, 3/4 time signature.

Tuba 2: dynamic f, slurs, grace notes, 3/4 time signature.

Bass Trombone: dynamic f, slurs, grace notes, 3/4 time signature.

Tuba Bassoon: dynamic f, slurs, grace notes, 3/4 time signature.

B

7

Fl. 1

Fl. 2

Ob. 1

Eng. Hn.

Bsn. 1

Bsn. 2

E♭ Cl.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Bari. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Tpt. 4

Hn. 1

Hn. 2

Hn. 3

Tbn. 1

Tbn. 2

Tbn. 3

B. Tbn.

Tba.

C

Fl. 1 - *f*
 Fl. 2 - *f*
 Ob. 1 - *f* *mf*
 Bsn. 1 - *f*
 Bsn. 2 - *f*
 Cl. 1 - *f* *p*
 Cl. 2 - *f* *p*
 B. Cl. - *f* *p*
 Sop. Sax. - *f*
 A. Sax. 2 - *f*
 T. Sax. 2 - *f*
 Bari. Sax. - *f*

Tpt. 1 - *mf* *p* *f* *mp* *p*
 Tpt. 2 - *mf* *p*
 Tpt. 3 - *mf* *p*
 Tpt. 4 - *p* *p*
 Hn. 1 - *p* *f* *mp* *p*
 Hn. 2 - *p* *p*
 Hn. 3 - *p* *p*
 Tbn. 1 - *p* *f* *mp*
 Tbn. 2 - *p* *p*

67

Fl. 1

Fl. 2

Ob. 1

Eng. Hn.

Bsn. 1

Bsn. 2

E♭ Cl.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Tpt. 1

Tpt. 2

Tpt. 3

Tpt. 4

Hn. 1

Hn. 2

Hn. 3

Tbn. 1

Tbn. 2

Tbn. 3

B. Tbn.

Tba

9th Piccolo

Picc. f

Fl. 2 f

Bsn. 1

Bsn. 2

E♭ Cl.

Cl. 1 n f

Cl. 2 f

B. Cl.

Tpt. 1 mf

Tpt. 2 mf

Tpt. 3 mf

Tpt. 4 mf

Hn. 1 mf

Hn. 2 mf

Tbn. 1 mf

Tbn. 2 mf

This page contains six systems of musical notation, each with two staves. The instruments listed on the left side of each system are: Piccolo, Flute 2, Bassoon 1, Bassoon 2, E♭ Clarinet, Clarinet 1, Clarinet 2, Bass Clarinet, Trumpet 1, Trumpet 2, Trumpet 3, Trumpet 4, Horn 1, Horn 2, Trombone 1, and Trombone 2. The dynamics shown include *f*, *n*, and *mf*. Measure 12 starts with a single note for Piccolo. Measures 13-15 show various combinations of woodwinds and brass playing eighth-note patterns. Measure 16 concludes with eighth-note patterns for Trombones 1 and 2.

97 13
 Fl. 2
 Ob. 1
 Bsn. 1
 Bsn.
 Eb Cl.
 Cl. 1
 Cl. 2
 B. Cl.
 Sop. Sax.
 A. Sax. 2
 T. Sax. 1
 T. Sax. 2
 Bari. Sax.
 Tpt. 1
 Tpt. 2
 Tpt. 3
 Tpt. 4
 Hn. 1
 Hn. 2
 B. Tbn.

The musical score page shows a section starting at measure 97 and ending at measure 13. The instrumentation includes Flute 2, Oboe 1, Bassoon 1, Bassoon, E♭ Clarinet, Clarinet 1, Clarinet 2, Bass Clarinet, Soprano Saxophone, Alto Saxophone 2, Tenor Saxophone 1, Tenor Saxophone 2, Baritone Saxophone, Trumpet 1, Trumpet 2, Trumpet 3, Trumpet 4, Horn 1, Horn 2, and Bass Trombone. Dynamic markings include *mf*, *f*, *ff*, and *ff*. Performance instructions such as slurs and grace notes are present in the woodwind and brass parts. Measure 97 features a melodic line in the Flute 2 part. Measures 10-12 show sustained notes in the Bassoon and Bassoon 1 parts. Measures 13-14 feature rhythmic patterns in the Alto Saxophone 2, Tenor Saxophone 1, and Tenor Saxophone 2 parts.

102

Picc.

Fl. 2

Ob. 1

Eng. Hn.

Bsn. 1

Bsn.

E♭ Cl.

Cl. 1

Cl. 2

B. Cl.

Sop. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Tpt. 4

Hn. 1

Hn. 2

Tbn. 1

B. Tbn.

Tba.

107

Picc.

Fl. 2

Ob. 1

Eng. Hn.

Bsn. 1

Bsn. 2

E♭ Cl.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Tpt. 1

Tpt. 2

Tpt. 3

Tpt. 4

Hn. 1

Hn. 2

Tbn. 1

Tba

16

Iffo

Picc. *mf* solo
Fl. 2 *mf* solo
Ob. 1 *mf* solo
Eng. Hn.
Bsn. 1
Bsn. 2
E♭ Cl.
Cl. 1
Cl. 2
Cl. 3
B. Cl.
Sop. Sax. *ff* solo
A. Sax. 2
T. Sax. 1
T. Sax. 2
Bari. Sax.
Tpt. 1 *f* solo ossia:
Tpt. 2 *f* solo ossia:
Tpt. 3 *f* solo
Tpt. 4 *f*
Hn. 1
Hn. 2
Hn. 3
Tbn. 1
Tbn. 2 *p*
Tbn. 3 *p*
B. Tbn.
Tba. *p*

<img alt="A page from a musical score showing measures 16 through the end of a section. The score is for a large orchestra. Measure 16 starts with Picc., Fl. 2, Ob. 1, Eng. Hn., Bsn. 1, Bsn. 2, E♭ Cl., Cl. 1, Cl. 2, Cl. 3, B. Cl., Sop. Sax., A. Sax. 2, T. Sax. 1, T. Sax. 2, Bari. Sax., Tpt. 1, Tpt. 2, Tpt. 3, Tpt. 4, Hn. 1, Hn. 2, Hn. 3, Tbn. 1, Tbn. 2, Tbn. 3, B. Tbn., and Tba. The instrumentation includes piccolo, two flutes, oboe, English horn, bassoon, tuba, bass clarinet, three clarinets, soprano saxophone, alto saxophone, two tenor saxophones, baritone saxophone, four trumpets, three horns, and three bassoons. Dynamics range from piano (p) to fortissimo (ff). Measure 17 begins with a dynamic of ff. Measures 18-19 show various dynamics including ff, mf, pp, and pp. Measures 20-21 show ff, mf, and p. Measures 22-23 show ff, mf, and p. Measures 24-25 show ff, mf, and p. Measures 26-27 show ff, mf, and p. Measures 28-29 show ff, mf, and p. Measures 30-31 show ff, mf, and p. Measures 32-33 show ff, mf, and p. Measures 34-35 show ff, mf, and p. Measures 36-37 show ff, mf, and p. Measures 38-39 show ff, mf, and p. Measures 40-41 show ff, mf, and p. Measures 42-43 show ff, mf, and p. Measures 44-45 show ff, mf, and p. Measures 46-47 show ff, mf, and p. Measures 48-49 show ff, mf, and p. Measures 50-51 show ff, mf, and p. Measures 52-53 show ff, mf, and p. Measures 54-55 show ff, mf, and p. Measures 56-57 show ff, mf, and p. Measures 58-59 show ff, mf, and p. Measures 60-61 show ff, mf, and p. Measures 62-63 show ff, mf, and p. Measures 64-65 show ff, mf, and p. Measures 66-67 show ff, mf, and p. Measures 68-69 show ff, mf, and p. Measures 70-71 show ff, mf, and p. Measures 72-73 show ff, mf, and p. Measures 74-75 show ff, mf, and p. Measures 76-77 show ff, mf, and p. Measures 78-79 show ff, mf, and p. Measures 80-81 show ff, mf, and p. Measures 82-83 show ff, mf, and p. Measures 84-85 show ff, mf, and p. Measures 86-87 show ff, mf, and p. Measures 88-89 show ff, mf, and p. Measures 90-91 show ff, mf, and p. Measures 92-93 show ff, mf, and p. Measures 94-95 show ff, mf, and p. Measures 96-97 show ff, mf, and p. Measures 98-99 show ff, mf, and p. Measures 100-101 show ff, mf, and p. Measures 102-103 show ff, mf, and p. Measures 104-105 show ff, mf, and p. Measures 106-107 show ff, mf, and p. Measures 108-109 show ff, mf, and p. Measures 110-111 show ff, mf, and p. Measures 112-113 show ff, mf, and p. Measures 114-115 show ff, mf, and p. Measures 116-117 show ff, mf, and p. Measures 118-119 show ff, mf, and p. Measures 120-121 show ff, mf, and p. Measures 122-123 show ff, mf, and p. Measures 124-125 show ff, mf, and p. Measures 126-127 show ff, mf, and p. Measures 128-129 show ff, mf, and p. Measures 130-131 show ff, mf, and p. Measures 132-133 show ff, mf, and p. Measures 134-135 show ff, mf, and p. Measures 136-137 show ff, mf, and p. Measures 138-139 show ff, mf, and p. Measures 140-141 show ff, mf, and p. Measures 142-143 show ff, mf, and p. Measures 144-145 show ff, mf, and p. Measures 146-147 show ff, mf, and p. Measures 148-149 show ff, mf, and p. Measures 150-151 show ff, mf, and p. Measures 152-153 show ff, mf, and p. Measures 154-155 show ff, mf, and p. Measures 156-157 show ff, mf, and p. Measures 158-159 show ff, mf, and p. Measures 160-161 show ff, mf, and p. Measures 162-163 show ff, mf, and p. Measures 164-165 show ff, mf, and p. Measures 166-167 show ff, mf, and p. Measures 168-169 show ff, mf, and p. Measures 170-171 show ff, mf, and p. Measures 172-173 show ff, mf, and p. Measures 174-175 show ff, mf, and p. Measures 176-177 show ff, mf, and p. Measures 178-179 show ff, mf, and p. Measures 180-181 show ff, mf, and p. Measures 182-183 show ff, mf, and p. Measures 184-185 show ff, mf, and p. Measures 186-187 show ff, mf, and p. Measures 188-189 show ff, mf, and p. Measures 190-191 show ff, mf, and p. Measures 192-193 show ff, mf, and p. Measures 194-195 show ff, mf, and p. Measures 196-197 show ff, mf, and p. Measures 198-199 show ff, mf, and p. Measures 200-201 show ff, mf, and p. Measures 202-203 show ff, mf, and p. Measures 204-205 show ff, mf, and p. Measures 206-207 show ff, mf, and p. Measures 208-209 show ff, mf, and p. Measures 210-211 show ff, mf, and p. Measures 212-213 show ff, mf, and p. Measures 214-215 show ff, mf, and p. Measures 216-217 show ff, mf, and p. Measures 218-219 show ff, mf, and p. Measures 220-221 show ff, mf, and p. Measures 222-223 show ff, mf, and p. Measures 224-225 show ff, mf, and p. Measures 226-227 show ff, mf, and p. Measures 228-229 show ff, mf, and p. Measures 230-231 show ff, mf, and p. Measures 232-233 show ff, mf, and p. Measures 234-235 show ff, mf, and p. Measures 236-237 show ff, mf, and p. Measures 238-239 show ff, mf, and p. Measures 240-241 show ff, mf, and p. Measures 242-243 show ff, mf, and p. Measures 244-245 show ff, mf, and p. Measures 246-247 show ff, mf, and p. Measures 248-249 show ff, mf, and p. Measures 250-251 show ff, mf, and p. Measures 252-253 show ff, mf, and p. Measures 254-255 show ff, mf, and p. Measures 256-257 show ff, mf, and p. Measures 258-259 show ff, mf, and p. Measures 260-261 show ff, mf, and p. Measures 262-263 show ff, mf, and p. Measures 264-265 show ff, mf, and p. Measures 266-267 show ff, mf, and p. Measures 268-269 show ff, mf, and p. Measures 270-271 show ff, mf, and p. Measures 272-273 show ff, mf, and p. Measures 274-275 show ff, mf, and p. Measures 276-277 show ff, mf, and p. Measures 278-279 show ff, mf, and p. Measures 280-281 show ff, mf, and p. Measures 282-283 show ff, mf, and p. Measures 284-285 show ff, mf, and p. Measures 286-287 show ff, mf, and p. Measures 288-289 show ff, mf, and p. Measures 290-291 show ff, mf, and p. Measures 292-293 show ff, mf, and p. Measures 294-295 show ff, mf, and p. Measures 296-297 show ff, mf, and p. Measures 298-299 show ff, mf, and p. Measures 300-301 show ff, mf, and p. Measures 302-303 show ff, mf, and p. 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Algorithmic Transform 3 : Tree Fractal

Dan Tepfer

A = 180

C Piccolo
C Flute 2
C Oboe 1
F English Horn
C Bassoon 1
C Contrabassoon
E Clarinet
Bb Clarinet 1 (4 clar.)
Bb Clarinet 2 (3 clar.)
Bb Clarinet 3 (3 clar.)
Bb Bass Clarinet
Bb Soprano Saxophone
E Alto Saxophone 2
Bb Tenor Saxophone 1
Bb Tenor Saxophone 2
E Baritone Saxophone

Bb Trumpet 1
Bb Trumpet 2
Bb Trumpet 3
F Horn 1
F Horn 2
F Horn 3
C Trombone 1
C Trombone 2
C Trombone 3
C Bass Trombone
C Tuba 1, 2

Timpani
Marimba
Vibraphone
Xylophone 1
Xylophone 2
Double Bass

soft mallets
do not roll held notes; let ring

p

no vibrato (throughout)

p $\text{X} \ddot{\text{a}}$ (hold throughout)

35

=

42

=

48

B

Musical score for orchestra and piano, page 54, measures 1-10. The score includes parts for Picc., Fl. 2, Bsn., Eb Cl., Cl. 1, Cl. 2, Cl. 3, B. Cl., Tpt. 1, Hn. 1, Hn. 3, Mar., Vib., Xyl. 1, and Xyl. 2. The instrumentation is as follows:

- Picc.:** Piccolo, playing eighth-note patterns.
- Fl. 2:** Flute 2, mostly rests.
- Bsn.:** Bassoon, eighth-note patterns at *mp*.
- Eb Cl.:** Eb Clarinet, eighth-note patterns at *mp* (8).
- Cl. 1:** Clarinet 1, eighth-note patterns at *pp*.
- Cl. 2:** Clarinet 2, eighth-note patterns at *p*.
- Cl. 3:** Clarinet 3, eighth-note patterns at *mf*.
- B. Cl.:** Bassoon, eighth-note patterns at *p*.
- Tpt. 1:** Trumpet 1, eighth-note patterns at *p*.
- Hn. 1:** Bassoon 1, eighth-note patterns at *pp*.
- Hn. 3:** Bassoon 3, eighth-note patterns at *mp*.
- Mar.:** Marimba, eighth-note patterns at *pp*.
- Vib.:** Vibraphone, eighth-note patterns at *mp*.
- Xyl. 1:** Xylophone, eighth-note patterns at *mm*.
- Xyl. 2:** Xylophone 2, eighth-note patterns at *mp*.

Dynamic markings include *pp*, *mp*, *mf*, and *ff*. Measure 10 includes a key signature change: *I. 2. C / 3 Bb*.



Musical score for orchestra and choir, page 61, measures 1-2. The score includes parts for Flute 2, Bassoon, Clarinet 1, Clarinet 2, Clarinet 3, Bassoon Clarinet, Soprano Saxophone, Trumpet 1, Bassoon 3, Trombone 1, Maracas, Vibraphone, Xylophone 1, and Xylophone 2. The instrumentation is as follows:

- Fl. 2:** Solo expression (solo expr.) at the beginning, dynamic **f**. Measures 1-2 show eighth-note patterns.
- Bsn:** Measures 1-2 show eighth-note patterns.
- Cl. 1:** Measures 1-2 show eighth-note patterns.
- Cl. 2:** Measures 1-2 show eighth-note patterns.
- Cl. 3:** Measures 1-2 show eighth-note patterns.
- B. Cl.:** Measures 1-2 show eighth-note patterns.
- Sop. Sax:** Solo expression (solo expr.) at the beginning, dynamic **f**. Measures 1-2 show eighth-note patterns.
- Tpt. 1:** Measures 1-2 show eighth-note patterns.
- Hn. 3:** Measures 1-2 show eighth-note patterns.
- Tbn. 1:** Measures 1-2 show eighth-note patterns.
- Mar.:** Measures 1-2 show eighth-note patterns.
- Vib:** Measures 1-2 show eighth-note patterns.
- Xyl. 1:** Measures 1-2 show eighth-note patterns.
- Xyl. 2:** Measures 1-2 show eighth-note patterns.

71

Picc

Fl. 2 f

Ob. 1 mf

Eng. Hn.

Bsn

Es Cl. pp mp

Cl. 1 mf

Cl. 2 p mf p mf solo espri

B. Cl. solo espri

Sop. Sax. f Remove mute Open ff f

Tpt. 1 Harmon Mute p f subito

Tpt. 2 Harmon Mute ppp p pp mp pp

Hn. 1 pp mp pp

Hn. 3 pp mp pp

Tba. 1 mp pp mp pp

Mar. pp

Vib. mf

Xyl. 1

Xyl. 2 f subito pp mf

79

C

Picc.

Fl. 2

Ob. 1

Eng. Hn.

Bsn.

Es Cl.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

Tpt. 1

Hn. 1

Hn. 3

Tbn. 1

Mar.

Vib.

Xyl. 1

Xyl. 2

solo expr.

f

mf

pp

pp

Open

pp

A page of a musical score for orchestra and band, page 7, measure 85. The score includes parts for Picc., Fl. 2, Ob. 1, Eng. Hn., Bsn., Eb Cl., Cl. 1, Cl. 2, Cl. 3, B. Cl., Sop. Sax., A. Sax. 2, Tpt. 1, Hn. 3, Tbn. 1, Mar., Vib., Ykl. 1, and Xyl. 2. The music features various rhythmic patterns and dynamics like *mp* and *pp*.

Picc. *ff* To Fl.

Fl. 2

Ob. 1 *espr* *f*

Eng. Hn.

Bsn.

Es. Cl.

Cl. 1

Cl. 2 *mf* *pp*

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

Tpt. 1 *mp*

Tpt. 2 *Open* *mp*

Tpt. 3 *mp* *pp* *mp* *pp* *mp* *pp* *mp* *pp* *mp*

Hn. 1

Hn. 2

Hn. 3 *mp*

Tbn. 1 *mp*

Tbn. 2 dolce *f*

Mar.

Vib. *f*

Xyl. 1

Xyl. 2

D

109

Fl.
Fl. 2
Ob. 1
Eng. Hn.
Bsn.
Cl. 1
Cl. 2
Cl. 3
Bari. Sax.

Tpt. 1
Tpt. 2
Tpt. 3
Hn. 1
Hn. 2
Hn. 3
Tbn. 1
Tbn. 2
Tbn. 3
Mar.
Vib.
Xyl. 1
Xyl. 2
Db.

Fl.

Fl. 2

Eng. Hn.

Cl. 1

Cl. 2

Cl. 3

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Bari. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Hn. 1

Hn. 2

Tbn. 1

Tbn. 2

Tbn. 3

Mar.

Vib.

Xyl. 1

Xyl. 2

Db.

125

This page contains two staves of musical notation. The top staff includes Flute 1, Flute 2, English Horn, Clarinet 1, Clarinet 2, Clarinet 3, Soprano Saxophone, Alto Saxophone 2, Tenor Saxophone 1, Tenor Saxophone 2, and Bass Saxophone. The bottom staff includes Trombone 2, Horn 1, Horn 2, Horn 3, Trombone 1, Trombone 2, and Trombone 3. The music consists of measures of rests and dynamic markings like pp , mp , and f .

=

132

This page contains ten staves of musical notation. The instruments include English Horn, Bassoon, Cello, Clarinet 1, Clarinet 2, Soprano Saxophone, Alto Saxophone 2, Tenor Saxophone 1, Tenor Saxophone 2, and Bass Saxophone. The music features various rhythmic patterns and dynamic markings such as pp and f . Measure 1 shows sustained notes and eighth-note patterns. Measure 2 begins with a forte dynamic followed by eighth-note patterns.

139

Fl.
Fl. 2
Ob. 1
Eng. Hn.
Bsn.
Cbsn.
Cl. 1
Cl. 2
Cl. 3
B. Cl.
Sop. Sax.
A. Sax. 2
T. Sax. 1
T. Sax. 2
Bari. Sax.

140

E

Fl.
Fl. 2
Ob. 1
Eng. Hn.
Bsn.
Cbsn.
Cl. 1
Cl. 2
Cl. 3
B. Cl.
Sop. Sax.
A. Sax. 2
T. Sax. 1
T. Sax. 2
Bari. Sax.
Tpt. 1
Hn. 1

153

Fl.

Fl. 2

Ob. 1

Eng. Hn.

Bsn.

Chsn.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Bari. Sax.

Tpt. 1

Tpt. 2

Hn. 1

Hn. 2

B. Tbn.

Tba.

Mar.

Vib.

Xyl. 1

Xyl. 2

160

Fl. 2
Bsn.
Cbsn.
Cl. 1
B. Cl.
T. Sax. 2
Bari. Sax.
Tpt. 1
Tpt. 2
Hn. 1
Hn. 2
Hn. 3
B. Tbn.
Tba.
Mar.
Vib.
Xyl. 1
Xyl. 2
Db.

f

p

167

Fl. 2
Ob. 1
Eng. Hn.
Bsn.
Cbsn.
Cl. 1
Cl. 2
Cl. 3
B. Cl.
Sop. Sax.
A. Sax. 2
T. Sax. 1
T. Sax. 2
Bari. Sax.

Tpt. 1
Tpt. 2
Tpt. 3
Hn. 1
Hn. 2
Hn. 3
Tbn. 1
Tbn. 2
Tbn. 3
B. Tbn.
Tba.
Mar.
Vib.
Xyl. 1
Xyl. 2
Db.

F

174

Fl. 2
Ob. 1
Eng. Hn.
Bsn.
Cbsn.
Cl. 1
Cl. 2
Cl. 3
B. Cl.
Sop. Sax.
A. Sax. 2
T. Sax. 1
T. Sax. 2
Bari. Sax.

Tpt. 1
Tpt. 2
Tpt. 3
Hn. 1
Hn. 2
Hn. 3
Tbn. 1
Tbn. 2
Tbn. 3
B. Tbn.
Tba.
Mar.
Vib.
Xyl. 1
Xyl. 2
Db.

F

solo p subito

solo esp.

mp

mp

mp

182

B. Cl. *pp*

Hn. 1

Tbn. 1

Tba.

Mar.

Vib.

D. B.

195

Bsn. *p*

B. Cl.

Bari. Sax. *pp*

Hn. 1 *dolce*

Tbn. 1

B. Tbn. *dolce*

Tba. 2. 1.

Mar.

Vib.

D. B.

208

Bsn. *mp*

Cbsn. *mp*

B. Cl.

T. Sax. 1

Bari. Sax. *p*

Hn. 1

Tbn. 1

B. Tbn. *p*

Tba.

G

Mar.

Vib.

Xyl. 1

Xyl. 2 *p*

D. B.

217

Bsn. Cbsn. B. Cl. T. Sax. I Bari. Sax. B. Tbn. Tba. Timp. Mar. Vib. Xyl. 1 Xyl. 2 Db.

p
soft beaters
do not roll (let ring)

=

223

Bsn. Cbsn. B. Cl. Bari. Sax. Tbn. 1 Tbn. 2 B. Tbn. Tba. Timp. Mar. Vib. Xyl. 1 Xyl. 2 Db.

mf

mp

229

Bsn.
Cbsn.
B. Cl.
Bari. Sax.
Tbn. 1
Tbn. 2
B. Tbn.
Timp.
Mar.
Vib.
Xyl. 1
Xyl. 2
Db.

=

235

Bsn.
Cbsn.
B. Cl.
Bari. Sax.
Tbn. 1
Tbn. 2
B. Tbn.
Tba.
Timp.
Mar.
Vib.
Xyl. 1
Xyl. 2
Db.

241

H

Bsn. Cbsn. B. Cl. Bari. Sax. Tbn. 1 Tbn. 2 Tbn. 3 B. Tbn. Tba. Timp. Mar. Vib. Xyl. 1 Xyl. 2 Db.

247

Bsn. Cbsn. B. Cl. Bari. Sax. Tbn. 1 Tbn. 2 Tbn. 3 B. Tbn. Tba. Timp. Mar. Vib. Xyl. 1 Xyl. 2 Db.

253

Bsn.
B. Cl.
Bari. Sax.

Tbn. 1
Tbn. 2
Tbn. 3
Tba.

Timp.

Mar.

Vib.

Xyl. 1
Xyl. 2

Db.

=

259

Eng. Hn.
Bsn.
Cbsn.
B. Cl.
Bari. Sax.

Tbn. 1
Tbn. 2
Tbn. 3
B. Tbn.
Tba.

Timp.

Mar.

Vib.

Xyl. 1
Xyl. 2

Db.

265

Fl.

Fl. 2

Eng. Hn.

Bsn.

Cbsn.

B. Cl.

Bari. Sax.

Tbn. 1

Tbn. 2

Tbn. 3

B. Tbn.

Tba

Tim.

Mar.

Vib.

Xyl. 1

Xyl. 2

Db.

271

I

Fl.

Fl. 2

Ob. 1

Eng. Hn.

Bsn.

Chsn.

Es Cl.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Bari. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Hn. 1

Hn. 2

Hn. 3

Tbn. 1

Tbn. 2

Tbn. 3

B. Tbn.

Tba.

Tim.

Mar.

Vib.

Xyl. 1

Xyl. 2

Db.

277

Fl.

Fl. 2

Ob. 1

Eng. Hn.

Bsn.

Cbsn.

Ez Cl.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Bari. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Hn. 1

Hn. 2

Hn. 3

Tbn. 1

Tbn. 2

Tbn. 3

B. Tbn.

Tba

Timpani

Mar.

Vib.

Xyl. 1

Xyl. 2

Db.

283

Fl.

Fl. 2

Ob. 1

Eng. Hn.

Bsn.

Chsn.

Es Cl.

Cl. 1

Cl. 2

Cl. 3

B. Cl.

Sop. Sax.

A. Sax. 2

T. Sax. 1

T. Sax. 2

Bari. Sax.

Tpt. 1

Tpt. 2

Tpt. 3

Hn. 1

Hn. 2

Hn. 3

Tbn. 1

Tbn. 2

Tbn. 3

B. Tbn.

Tba.

Timp.

Mar.

Vib.

Xyl. 1

Xyl. 2

D. B.