

Timbre Saturation

for Chamber Orchestra (2021)

HANNA KIM

Instrumentation

2 Flutes (1. doubling Piccolo)
1 English Horn
2 Clarinets in B-flat
1 Bass Clarinet
1 Tenor Saxophone
1 Bassoon

2 Horns
1 Trumpet in C
2 Trombones

3 Percussionists

Percussion 1: Snare Drum, Chime, 3 Tom-toms, Suspended Cymbal,
Slapsticks

Percussion 2: Xylophone, Vibraphone, 2 Temple Blocks, Gong, Bass Drum

Percussion 3: Timpanis (F2, G2, F#3)

1 Mandolin
1 Harp
1 Piano (doubling Celeste)

Strings

2 Violin I (Violin 1 & 2; max. 8)
2 Violin II (Violin 3 & 4; max. 8)
2 Violas (max. 6)
2 Cellos (max. 4)
1 Double Bass (max. 3)

Fl. 1 *ff* *f* Flute

Fl. 2 *ff* *f*

E. Hn. *ff* *f*

B♭ Cl. 1 *mp* *f*

B♭ Cl. 2 *mp* *f*

B. Cl. *f*

T. Sx. *mp*

Bsn. *f*

Hn. 1 *ff* *p* *ff*

Hn. 2 *ff* *p* *ff*

C Tpt. *ff* *p* *ff*

Tbn. 1 *ff* *p* *ff* *f*

Tbn. 2 *ff* *p* *ff* *f*

Perc. 1 *p* *f* Chime

Perc. 2 *ff* *f* Vibraphone

Perc. 3 *f* *f* Timpani

Mdn. *ff*

Hp. *ff* *gliss.*

Pno. *ff*

Vln. 1 *mf*

Vln. 2 *mf*

Vln. 3 *mf*

Vln. 4 *mf*

Vla. 1 *mf* *p*

Vla. 2 *mf* *p*

Vc. 1 *mf* *p*

Vc. 2 *mf* *p*

D.B. *mf* *ppp*

FL 1
FL 2
E. Hn.
B. Cl. 1
B. Cl. 2
B. Cl.
T. Sax.
Bsn.
Hn. 1
Hn. 2
C Tpt.
Tbn. 1
Tbn. 2
Perc. 1
Perc. 2
Perc. 3
Mdn.
Hp.
Pno.
Vln. 1
Vln. 2
Vln. 3
Vln. 4
Vla.
Vla.
Vc.
Vc.
D.B.

14

p *f* *p* *f*

p *f* *p* *f*

mf *dim.*

ff *ff* *ff*

Fl. 1 *sfz* *sfz*

Fl. 2 *p*

E. Hn. *sfz* *sfz* *p*

B. Cl. 1 *mf* *f*

B. Cl. 2 *mp* *mf* *f*

B. Cl. *p*

T. Sax. *p*

Ban. *p*

Hn. 1 *subp* *p*

Hn. 2 *subp* *p*

C. Tpt. *sfz* *sfz* *com sord.* *p*

Tbn. 1 *p*

Tbn. 2 *p*

Perc. 1 *sfz*

Perc. 2 *sfz* *Gong* *pp* *smorzando*

Perc. 3 *sfz*

Mdn. *sf* *sf* *sf*

Hp.

Pno. *sf* *sf* *sf*

Vln. *Sul pont.* *ff* *Ord.* *p*

Vln. *Sul pont.* *ff* *Ord.* *p*

Vln. *Sul pont.* *ff* *Ord.* *p*

Vln. *Sul pont.* *ff* *Ord.* *p*

Vln. *Sul pont.* *ff* *Ord.* *p*

Vla. *Sul pont.* *ff* *Ord.* *p*

Vla. *Sul pont.* *ff* *Ord.* *p*

Vc. *Sul pont.* *ff* *Ord.* *p*

Vc. *Sul pont.* *ff* *Ord.* *p*

D.B. *Sul pont.* *ff* *Ord.* *p*

42

Fl. 1 *pp*

Fl. 2 *pp*

E. Hn. *mf*

B. Cl. 1 *mp* *pp*

B. Cl. 2 *mp* *pp*

B. Cl. *mp*

T. Sax. *mp*

Bsn. *mf*

Hn. 1 *mp* *pp*

Hn. 2 *p*

C. Tpt. *mp*

Tbn. 1 *p*

Tbn. 2 *p*

Perc. 1 Tom Toms *mf*

Perc. 2

Perc. 3

Mdn. *mp* *f*

Hp.

Pno. *ff*

Vln. *mp*

Vln. *mp*

Vln. *mp*

Vln. *pp*

Vla. *pp*

Vla. *pp*

Vc. *pp*

Vc. *pp*

D.B. *pp*

This page contains a musical score for measures 45 through 50. The instruments listed on the left are:

- Fl. 1, Fl. 2, E. Hn., B. Cl. 1, B. Cl. 2, B. Cl., T. Sx., Bsn., Hn. 1, Hn. 2, C. Tpt., Tbn. 1, Tbn. 2, Perc. 1, Perc. 2, Perc. 3, Mdn., Hp., Pno., Vln. (4 staves), Vla. (2 staves), Vc. (2 staves), and D.B.

The score is written in 3/4 time. Measure 45 begins with a key signature change to one sharp (F#). Dynamics include *mp*, *mf*, *p*, and *f*. The woodwinds and strings play sustained notes, while the percussion section includes a Suspended Cymbal, Gong, and Timpani. The piano part features a complex rhythmic pattern with triplets and sixteenth notes. The strings play a melodic line that moves from a lower register to a higher one, with dynamics ranging from *p* to *f* and *sub p*.

61
Fl. 1
Fl. 2
E. Hn.
Bb Cl. 1
Bb Cl. 2
B. Cl.
T. Sx.
Bsn.
Hn. 1
Hn. 2
C. Tpt.
Tbn. 1
Tbn. 2
Perc. 1
Perc. 2
Perc. 3
Mdn.
Hp.
Pno.
Vln.
Vln.
Vln.
Vln.
Vla.
Vla.
Vc.
Vc.
D.B.

p
fp
p
f
mp
p
sfz
sfz
p
mf
mf
mf
arco
p
arco
arco
p
arco
p
arco
p

Natural Harmonics Glissando
Natural Harmonics Glissando
Natural Harmonics Glissando
Natural Harmonics Glissando
Natural Harmonics Glissando

This page of a musical score, numbered 14, contains staves for various instruments. The woodwind section includes Flutes 1 and 2, English Horn, B♭ Clarinets 1 and 2, Bass Clarinet, Saxophone, Bassoon, Horns 1 and 2, Trumpets, and Trombones 1 and 2. The percussion section has three parts. The keyboard section includes Mandolin, Harp, and Piano. The string section includes Violins 1, 2, and 3; Violas; Violas; Cellos; and Double Basses. The score is in 3/4 time and features dynamic markings such as *p*, *mf*, and *ff*. The piano part includes a complex rhythmic pattern with triplets and a *ff* section. The string parts are marked with *p* and *ff*, with some sections marked *subp*. The woodwinds and brass parts are mostly rests, with some notes appearing in the later measures.

This page of a musical score, numbered 16, contains the following parts and markings:

- Woodwinds:** Flute 1 (FL. 1), Flute 2 (FL. 2), English Horn (E. Hn.), B♭ Clarinet 1 (B♭ Cl. 1), B♭ Clarinet 2 (B♭ Cl. 2), Bass Clarinet (B. Cl.), Saxophone (T. Sax.), Bassoon (Bsn.), Horn 1 (Hn. 1), Horn 2 (Hn. 2), and Cor Anglais (C. Tpt.).
- Brass:** Trombone 1 (Tbn. 1), Trombone 2 (Tbn. 2).
- Percussion:** Percussion 1 (Perc. 1), Percussion 2 (Perc. 2), Percussion 3 (Perc. 3), and Mallets (Mdn.).
- Other:** Piano (Pno.) and Harp (Hp.).
- String Section:** Violin 1 (Vln.), Violin 2 (Vln.), Violin 3 (Vln.), Violin 4 (Vln.), Viola (Vla.), Viola (Vla.), Violoncello (Vc.), Violoncello (Vc.), and Double Bass (D.B.).

Key performance markings include dynamics such as *p*, *f*, *mp*, *mf*, *ff*, and *fz*. The string section features *Sul pont.* markings and *Ord.* (Ordinate) markings. The Percussion 3 part includes a *Timpani* section. The score is written in a key signature of one sharp (F#) and a common time signature (C).

FL 1
FL 2
E. Hn.
B♭ Cl. 1
B♭ Cl. 2
B. Cl.
T. Sx.
Bsn.
Hn. 1
Hn. 2
C Tpt.
Tbn. 1
Tbn. 2
Perc. 1
Perc. 2
Perc. 3
Mdn.
Hp.
Pno.
Vln. 1
Vln. 2
Vln. 3
Vln. 4
Vla.
Vla.
Vc.
Vc.
D.B.

mp *f* *p* *mf* *ff*

91

Fl. 1 *f* *pp* *mp*

Fl. 2 *f* *pp* *mp*

E. Hn. *f* *pp* *mp*

B. Cl. 1 *p* *pp* *mp*

B. Cl. 2 *p* *pp* *mp*

B. Cl. *pp* *pp* *mp*

T. Sx. *pp* *mp*

Bsn. *pp* *pp* *mp*

Hn. 1

Hn. 2

C. Tpt. *pp* *con sord.* *pp*

Tbn. 1 *pp* *mp*

Tbn. 2 *mp*

Perc. 1

Perc. 2 *Vibraphone* *pp*

Perc. 3

Mdn. *f* *mp*

Hp.

Pno. *f* *pp*

Vln. *mf*

Vln. *mf*

Vln. *mf*

Vln. *mf*

Vla. *mf*

Vla. *mf*

Vc. *mf* *p*

Vc. *mf* *p*

D.B. *mf* *p*

Piccolo

Fl. 1 *ff* *p* *ff* *ff* *p* *ff* *p*

Fl. 2 *ff* *p* *ff* *ff* *p* *ff* *p*

E. Hn. *ff* *p* *ff* *ff* *p* *ff* *p*

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

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

B. Cl. *ff* *p* *ff* *ff* *p* *ff* *p*

T. Sax. *ff* *p* *ff* *ff* *p* *ff* *p*

Bsn. *ff* *p* *ff* *ff* *p* *ff* *p*

Hn. 1 *ff* *p* *ff* *ff* *p* *ff* *p*

Hn. 2 *ff* *p* *ff* *ff* *p* *ff* *p*

C Tpt. *ff* *senza sord.*

Tbn. 1

Tbn. 2

Perc. 1

Perc. 2 *mf* *Xylophone* *Bass Drum* *ff* *ff*

Perc. 3

Mdn.

Hp. *ff*

Pno. *ff*

Vln. *mp* *p* *mp* *p*

Vln. *mp* *p* *mp* *p*

Vln. *mp* *p* *mp* *p*

Vln. *mp* *p* *mp* *p*

Vla. *mp* *p* *mp* *p*

Vla. *mp* *p* *mp* *p*

Vc. *mp* *p* *mp* *p*

Vc. *mp* *p* *mp* *p*

D.B. *mp* *p* *mp* *p*