



5-2021

## Spektroknot for orchestra

Paul Randall Schell

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# **SpectroKnot**

**for orchestra**

**by**

**Paul Schell**



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## Instrumentation

3 Flutes (3<sup>rd</sup> doubling piccolo)  
3 Oboes (3<sup>rd</sup> doubling English horn)  
3 Clarinets in Bb (3<sup>rd</sup> doubling bass clarinet)  
3 Bassoons (3<sup>rd</sup> doubling contrabassoon)  
4 Horns in F  
3 Trumpets  
2 Trombones  
1 Bass Trombone  
Tuba  
Timpani  
Snare Drum  
Bass Drum  
Crash Cymbals  
Suspended Cymbal  
Small Gong  
Medium Gong  
Triangle  
Low Woodblock  
High Woodblock  
Tambourine  
Harp  
Piano  
Strings





SpectroKnot

▲ In vigorous ♩ = 144

39 *rit.* *a tempo*

FL 1 *p* rhetorically *double time*

FL 2 *p* rhetorically *double time*

Picc. *double time*

Ob. 1 rhetorically *pp* *p* *pp* *p* *pp* *p* *pp* *p* *pp* *double time*

Ob. 2 rhetorically *pp* *p* *pp* *p* *pp* *p* *pp* *p* *pp* *double time*

E. Hn. *double time*

B♭ Cl. 1 *p* rhetorically *double time*

B♭ Cl. 2 *p* rhetorically *double time*

B♭ Cl. 3 *double time*

Bsn. 1 *double time*

Bsn. 2 *double time*

Bsn. 3 *double time* *f* *disimptively*

Hn. 1 *double time* *mf* *disimptively*

Hn. 2 *double time* *mf* *disimptively*

Hn. 3 *p* rhetorically *double time*

Hn. 4 *p* rhetorically *double time*

B♭ Tpt. 1 *double time* *mf* *disimptively*

B♭ Tpt. 2 *double time* *mf* *disimptively*

B♭ Tpt. 3 *double time*

Tbn. 1 *double time*

Tbn. 2 *double time*

B. Tbn. *double time*

Tuba *double time*

Timp. *double time*

Perc. 1 *double time*

Perc. 2 *double time*

Perc. 3 *double time*

Perc. 4 *double time*

Hp. *double time*

Pno. *double time*

Vln. I *f* *mf* *a tempo pizz.* *f* *contemplative* *double time*

Vln. II *f* *mf* *pizz.* *f* *contemplative* *double time*

Vla. *f* *mf* *subito p* *pp* *double time*

Vc. *f* *mf* *subito p* *pp* *double time*

Cb. *f* *mf* *subito p* *pp* *double time* *f* *disimptively*

*f* *p* *double time*







[B] Energized  $\text{♩} = 156$

FL 1  
FL 2  
FL 3 *to piccolo*  
Ob. 1  
Ob. 2  
E. Hn.  
B. Cl. 1  
B. Cl. 2  
B. Cl. 3 *to bass clarinet*  
Bsn. 1  
Bsn. 2  
Bsn. 3  
Hn. 1  
Hn. 2  
Hn. 3  
Hn. 4  
B. Tpt. 1  
B. Tpt. 2  
B. Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1 *unsettled*  
Perc. 2  
Perc. 3  
Perc. 4 *suspended cymbal with stick and let ring*  
Hp.  
Pno.  
Vln. I *unis.*  
Vln. II *unis.*  
Vla. *dis. unis.*  
Vcl.  
Cb.







Musical score for SpectroKnot, page 9. The score is for a full orchestra and includes parts for Flutes (FL 1, 2), Piccolo, Oboes (Ob. 1, 2), English Horn (E. Hn.), Clarinets (Bb Cl. 1, 2, B. Cl.), Bassoons (Bsn. 1, 2, C. Bn.), Horns (Hn. 1-4), Trumpets (Bb Tpt. 1-3), Trombones (Tbn. 1, 2, B. Tbn., Tuba), Timpani (Timp.), Percussion (Perc. 1-4), Harp (Hp.), Piano (Pno.), Violins (Vln. I, II), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). The score is marked with a rehearsal sign 171. The Perc. 1 part includes a 'triangle open' instruction. The Vln. II part includes a 'without mute' instruction. Dynamic markings include p, mf, pp, and mp.

This page of the musical score for SpectroKnot includes the following instruments and parts:

- Woodwinds:** Flute 1 & 2, Piccolo, Oboe 1 & 2, English Horn, Bass Clarinet 1 & 2, Clarinet in B-flat, Bassoon 1 & 2, Contrabassoon, Horn 1-4, Baritone Trumpet 1 & 2, Trumpet 3, Trombone 1 & 2, Bass Trombone, and Tuba.
- Percussion:** Four percussion parts (Perc. 1-4) with specific instructions for mutes, triangle, medium gong, bass drum, and suspended cymbal.
- Keyboard:** Harp and Piano.
- Strings:** Violin I & II, Viola, Violoncello, and Contrabass.

The score is marked with various dynamics such as *pp*, *p*, *mf*, *f*, and *ff*, along with performance directions like "readily" and "blazingly". The page number 10 is located at the top left, and the title "SpectroKnot" is centered at the top.

This page of the musical score, titled "SpectroKnot", contains measures 296 through 306. The score is arranged in a standard orchestral layout with multiple staves for different instruments. The instruments listed on the left side of the page are: Flute 1 (FL 1), Flute 2 (FL 2), Piccolo (Picc.), Oboe 1 (Ob. 1), Oboe 2 (Ob. 2), English Horn (E. Hn.), B♭ Clarinet 1 (B♭ Cl. 1), B♭ Clarinet 2 (B♭ Cl. 2), Bass Clarinet (B. Cl.), Bassoon 1 (Bsn. 1), Bassoon 2 (Bsn. 2), Contrabassoon (C. Bn.), Horn 1 (Hn. 1), Horn 2 (Hn. 2), Horn 3 (Hn. 3), Horn 4 (Hn. 4), Trumpet 1 (B♭ Tpt. 1), Trumpet 2 (B♭ Tpt. 2), Trumpet 3 (B♭ Tpt. 3), Trombone 1 (Tbn. 1), Trombone 2 (Tbn. 2), Bass Trombone (B. Tbn.), Tuba, Timpani (Timp.), Percussion 1 (Perc. 1), Percussion 2 (Perc. 2), Percussion 3 (Perc. 3), Percussion 4 (Perc. 4), Harp (Hp.), Piano (Pno.), Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). The score includes various musical notations such as notes, rests, and dynamic markings (e.g., *f*, *mf*, *mp*, *p*, *fz*). Performance instructions like "diving", "readily", "poppling", "shoke", and "let ring" are placed above or below notes. A rehearsal mark "K" is present at the beginning of measure 306. The percussion parts include specific instructions for mallets, tambourine, bass drum, and shoke. The string parts feature complex rhythmic patterns and dynamic changes.



221

FL 1 *f* *mp*

FL 2 *f* *mp propelling* *mf*

Picc.

Ob. 1 *f* *mf propelling*

Ob. 2

E. Hn. *mf propelling*

B. Cl. 1 *f* *p* *mf*

B. Cl. 2 *f* *p* *mf* *f*

B. Cl. *mp propelling* *f*

Bsn. 1 *mf propelling*

Bsn. 2 *mf propelling*

C. Bn.

Hn. 1 *mp propelling* *mf*

Hn. 2 *mp propelling* *mf*

Hn. 3

Hn. 4

B. Tpt. 1 *mf* *f* *mf* *p* *mp* *mf*

B. Tpt. 2 *propelling mp* *mf* *f* *p* *mp* *mf*

B. Tpt. 3 *mf* *crac.* *f*

Tbn. 1 *mf* *f* *mf* *propelling legato* *mf* *f*

Tbn. 2 *mf* *f* *mf* *propelling legato* *mf* *f*

B. Tbn. *mf propelling* *f*

Tuba *mf* *f*

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4 *f* *suspended cymbal with stick end let ring*

Hp. *f un veiling*

Pno.

Vln. I *mf* *f* *div.* *unis.* *D Strng* *mf*

Vln. II *mf* *f* *mf*

Vla. *mf* *f* *div.* *unis.* *mf*

Vc. *mp* *mf* *f* *mf* *mf*

Cb. *mp*



251

FL 1 *p* conforming *mp* *f*

FL 2 *p* conforming *mp* *mf* *f*

Picc.

Ob. 1 *f* conforming *p* *f* *mf* *f*

Ob. 2 *p* conforming

E. Hn. *f* conforming *p* *f*

B. Cl. 1 *p* conforming *f* conforming

B. Cl. 2 *p* conforming *f*

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1 *compellingly* *p* *f*

Hn. 2 *f*

Hn. 3 *f* *compellingly*

Hn. 4 *f* *compellingly*

B. Tpt. 1 *without mute* *compellingly* *mf* *f* *without mute*

B. Tpt. 2 *compellingly* *f* *compellingly*

B. Tpt. 3 *compellingly* *mf* *f*

Tbn. 1 *compellingly* *mf* *f*

Tbn. 2 *compellingly* *mf* *f*

B. Tbn. *f*

Tuba *f* *compellingly*

Timp.

Perc. 1 *triangle* *let ring* *mf*

Perc. 2 *tambourine* *f*

Perc. 3 *< f*

Perc. 4

Hp.

Pno.

Vln. I *conforming* *mf* *f* *mf* *unveiling*

Vln. II *conforming* *p* *f* *mp* *mf* *f* *unveiling*

Vla. *conforming* *f* *mp* *f* *mf* *f* *unveiling*

Vc. *conforming* *f* *unveiling* *mf*

Cb. *f* *unveiling*

257

261

Fl. 1 *unveiling*  
*p* *mp*

Fl. 2

Picc.

Ob. 1

Ob. 2

E. Hn.

B. Cl. 1 *unveiling*  
*p* *mp*

B. Cl. 2

B. Cl.

Bsn. 1 *mp* *unveiling*

Bsn. 2

C. Bn.

261

Hn. 1 *staccato*  
*p*

Hn. 2 *staccato*  
*p*

Hn. 3

Hn. 4

B. Tpt. 1 *staccato*  
*mp*

B. Tpt. 2 *staccato*  
*mp*

B. Tpt. 3 *staccato*  
*mp*

Tbn. 1 *staccato*  
*mp*

Tbn. 2 *staccato*  
*mp*

B. Tbn.

Tuba

261

Timp.

Perc. 1

Perc. 2 *snare drum circle with brush, snare on*  
*mf*

Perc. 3

Perc. 4

261

Hp.

261

Pno.

261

Vln. I *mp*

Vln. II *mp*

Vla. *mp*

Vc. *mp*

Cb.





113

FL 1 *mf* *reposed*

FL 2

Picc. *mf* *reposed*

Ob. 1

Ob. 2

E. Hn. *mf* *reposed*

B. Cl. 1 *f* *fortissimo* *mf* *reposed*

B. Cl. 2 *f* *fortissimo*

B. Cl. *f* *fortissimo* *mf* *unopposed*

Bsn. 1 *f* *fortissimo* *mp* *unopposed legato*

Bsn. 2 *mp* *unopposed legato*

C. Bn.

114

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B. Tpt. 1 *fortissimo* *pp*

B. Tpt. 2 *without mello* *f* *fortissimo* *pp*

B. Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

115

Timp.

Perc. 1 *tambourine* *f* *fortissimo*

Perc. 2 *snare drum with stick* *mf* *staccato*

Perc. 3 *mf*

Perc. 4

116

Hp.

117

Pno.

118

Vln. I *f*

Vln. II

Vla.

Vcl.

Cb.

119





This page of the musical score for SpectroKnot, page 20, contains the following instruments and parts:

- Woodwinds:** Flute 1 & 2, Piccolo, Oboe 1 & 2, Oboe 3 (with English horn), Bass Clarinet 1 & 2, Bass Clarinet, Bassoon 1 & 2, Contrabassoon, Horn 1-4, Trumpet 1-3, Trombone 1-3, Tuba, and Timpani.
- Percussion:** Percussion 1-4, including a tambourine and a suspended cymbal with soft mallets.
- Keyboard:** Harpsichord (Hp.) and Piano (Pno.).
- Strings:** Violin I & II, Viola, Violoncello (Vc.), and Contrabass (Cb.).

The score includes various performance instructions such as *mf* appoggiando, *f*, *mf* determinedly, *p*, and *ff*. It also features dynamic markings like *div.* and *anxiously* for the strings, and *choke* for the percussion. A rehearsal mark 'K' is present at the top of the page.

This page of the musical score for SpectroKnot, page 21, contains staves for the following instruments:

- Flute 1 (FL 1): Starts at measure 161, marked *f*.
- Flute 2 (FL 2): Starts at measure 161, marked *f*, with a "sequenced" section starting at measure 171.
- Piccolo (Picc.): Starts at measure 161, marked *p*, with a "sequenced" section starting at measure 171.
- Oboe 1 (Ob. 1): Starts at measure 161, marked *mf*, then *f*.
- Oboe 2 (Ob. 2): Starts at measure 161, marked *mf* *determinately*, then *f*.
- English Horn (E. Hn.): Starts at measure 161, marked *mf* *determinately*, then *f*.
- Bass Clarinet 1 (Bb Cl. 1): Starts at measure 161, marked *f* *ff*.
- Bass Clarinet 2 (Bb Cl. 2): Starts at measure 161, marked *f* *ff*.
- Bass Clarinet 3 (Bb Cl. 3): Starts at measure 161, marked *mf* *determinately*, then *f*, with a "sequenced" section starting at measure 171.
- Bassoon 1 (Bsn. 1): Starts at measure 161, marked *p* *determinately*, then *mf*, then *f*.
- Bassoon 2 (Bsn. 2): Starts at measure 161, marked *p* *determinately*, then *mf*, then *f*.
- Contrabassoon (C. Bn.): Starts at measure 161, marked *f*.
- Horn 1 (Hn. 1): Starts at measure 161, marked *mf* *determinately*, then *f*.
- Horn 2 (Hn. 2): Starts at measure 161, marked *mf* *determinately*, then *f*.
- Horn 3 (Hn. 3): Starts at measure 161, marked *mf* *determinately*, then *f*.
- Horn 4 (Hn. 4): Starts at measure 161, marked *mf* *determinately*, then *f*.
- Trumpet 1 (B Tpt. 1): Starts at measure 161, marked *f*.
- Trumpet 2 (B Tpt. 2): Starts at measure 161, marked *p* *determinately*, then *mf*, then *f*.
- Trumpet 3 (B Tpt. 3): Starts at measure 161, marked *p* *determinately*, then *mf*, then *f*.
- Trombone 1 (Tbn. 1): Starts at measure 161, marked *f*.
- Trombone 2 (Tbn. 2): Starts at measure 161, marked *f*.
- Bass Trombone (B. Tbn.): Starts at measure 161, marked *f* *determinately*.
- Tuba (Tuba): Starts at measure 161, marked *f* *determinately*.
- Timpani (Timp.): Starts at measure 161.
- Percussion 1 (Perc. 1): Starts at measure 161.
- Percussion 2 (Perc. 2): Starts at measure 161.
- Percussion 3 (Perc. 3): Starts at measure 161.
- Percussion 4 (Perc. 4): Starts at measure 161.
- Harp (Hp.): Starts at measure 161.
- Piano (Pno.): Starts at measure 161.
- Violin I (Vln. I): Starts at measure 161, marked *f*.
- Violin II (Vln. II): Starts at measure 161, marked *f* *ff*.
- Viola (Vla.): Starts at measure 161, marked *f* *ff*.
- Violoncello (Vc.): Starts at measure 161, marked *f*.
- Double Bass (Cb.): Starts at measure 161, marked *f*.



Musical score for SpectroKnot, page 23, measures 394-400. The score is arranged in a system of staves for various instruments. The instruments listed on the left are: Fl. 1, Fl. 2, Picc., Ob. 1, Ob. 2, E. Hn., B. Cl. 1, B. Cl. 2, B. Cl. 3, Bsn. 1, Bsn. 2, C. Bn., Hn. 1, Hn. 2, Hn. 3, Hn. 4, B. Tpt. 1, B. Tpt. 2, B. Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba, Timp., Perc. 1, Perc. 2, Perc. 3, Perc. 4, Hp., Pno., Vln. I, Vln. II, Vla., Vc., and Cb.

Measure 394 is marked with a rehearsal sign. The score includes various musical notations such as notes, rests, and dynamic markings. Specific annotations include "to bass clarinet" above the B. Cl. 3 staff and "triangle" above Perc. 1. Dynamic markings include *f* encouragingly and *p* encouragingly.

The musical score for 'SpectroKnot' on page 24 features the following instruments and parts:

- Woodwinds:** Flute 1 & 2, Piccolo, Oboe 1 & 2, English Horn, Bass Clarinet 1 & 2, Bass Clarinet, Bassoon 1 & 2, Contrabassoon, Horn 1-4, Trumpet 1-3, Trombone 1-2, Baritone Trombone, Tuba, and Timpani.
- Percussion:** Percussion 1-4.
- Keyboard:** Harp and Piano.
- Strings:** Violin I & II, Viola, Violoncello, and Contrabass.

Key musical features include:

- Flute 2:** A melodic line starting at measure 10 with a dynamic marking of *mf* and the instruction *encouraged*.
- Bass Clarinet 2:** A melodic line starting at measure 10 with a dynamic marking of *mf* and the instruction *encouraged*.
- Bass Clarinet:** A melodic line starting at measure 20 with a dynamic marking of *mf* and the instruction *encouraged*.
- Contrabassoon:** A melodic line starting at measure 20 with a dynamic marking of *mf* and the instruction *encouraged*.
- Violoncello:** A melodic line starting at measure 20 with a dynamic marking of *mf* and the instruction *encouragingly*.
- Contrabass:** A melodic line starting at measure 20 with a dynamic marking of *mf* and the instruction *encouragingly*.

411 [M]

FL 1 *mp* encouraged

FL 2

Picc. *mp* encouraged

Ob. 1 *mf* encouraged

Ob. 2

E. Hn.

B. Cl. 1 *mf* encouraged

B. Cl. 2

B. Cl. *mp*

Bsn. 1 *mf* encouraged *mf*

Bsn. 2 *mf* encouraged

C. Bn. *mp*

Hn. 1 *mf* encouraged

Hn. 2

Hn. 3 *mf* encouraged

Hn. 4

B. Tpt. 1 without mute *mp* encouraged *mf* encouraged

B. Tpt. 2 *mp* *stac.* *mf* *stac.*

B. Tpt. 3 *mp* *stac.* *mf* *stac.*

Tbn. 1 *mp* *stac.*

Tbn. 2 *mp* *stac.*

B. Tbn. *mf* encouraged *legato*

Tuba *mf* encouraged

Timp.

Perc. 1 triangle *f* *measurably*

Perc. 2 *mp* *snare drum circles with brush same on*

Perc. 3 low woodblock *f* *measurably*

Perc. 4

Hp.

Pno.

Vln. I *mf* encouraged D String ⊛

Vln. II *mf* encouraged

Vla. *mf* encouraged *mf* *mf*

Vc. *mf* encouraged

Cb.



Musical score for SpectroKnot, page 27. The score includes staves for Flutes 1 & 2, Piccolo, Oboes 1 & 2, English Horn, Bass Clarinets 1 & 2, Bass Clarinet, Bassoons 1 & 2, Contrabassoon, Horns 1-4, Trumpets 1-3, Trombones 1-2, Baritone, Tuba, Timpani, Percussion 1-4, Harp, Piano, Violins I & II, Violas, Cellos, and Double Basses. The score is in 3/4 time with a key signature of one sharp (F#). It features various dynamics (mf, f, ff), articulations (accents, slurs), and performance instructions like 'heartening', 'heartened', 'without mite', 'legato', and 'div.'. A rehearsal mark '660' is present at the beginning of the page.



FL 1  
 FL 2  
 FL 3  
 Ob. 1  
 Ob. 2  
 E. Hn.  
 B. Cl. 1  
 B. Cl. 2  
 B. Cl.  
 Bsn. 1  
 Bsn. 2  
 C. Bn.  
 Hn. 1  
 Hn. 2  
 Hn. 3  
 Hn. 4  
 B. Tpt. 1  
 B. Tpt. 2  
 B. Tpt. 3  
 Tbn. 1  
 Tbn. 2  
 B. Tbn.  
 Tuba  
 Timp.  
 Perc. 1  
 Perc. 2  
 Perc. 3  
 Perc. 4  
 Hp.  
 Pno.  
 Vln. I  
 Vln. I  
 Vln. II  
 Vln. II  
 Vla.  
 Vla.  
 Vc.  
 Vc.  
 Cb.

Musical score for SpectroKnot, page 28. The score is for a large orchestra and includes parts for woodwinds, brass, percussion, strings, and piano/harp. The score is divided into two systems. The first system covers measures 1 to 47, and the second system covers measures 48 to 94. The key signature is one flat (B-flat major or D minor), and the time signature is 4/4. The score includes various dynamics such as *mf*, *f*, and *ff*, and performance instructions like "instigating" and "anxiously". The woodwind and brass sections have significant activity, with many notes and rests. The string section also has a prominent role, with many notes and rests. The piano and harp parts are mostly rests, with some activity in the piano part. The percussion parts are mostly rests, with some activity in the timpani part. The overall mood is dramatic and intense, as suggested by the "instigating" and "anxiously" markings.

This page of the musical score, titled "SpectroKnot", contains parts for a wide variety of instruments. The woodwind section includes Flutes 1-3, Oboes 1-2, English Horn, Bass Clarinet, Bassoons 1-2, and Contrabassoon. The brass section consists of Trumpets 1-3, Trombones 1-2, Baritone, and Tuba. The string section includes Violins I and II, Violas, Violas, Cellos, and Double Basses. The percussion section features four different percussion parts, including snare drums and suspended cymbals. The harp and piano parts are also present. The score is written in a 3/4 time signature and includes various dynamic markings such as *f*, *mf*, *mp*, and *pp*, along with performance instructions like "prudently" and "suspiciously". A rehearsal mark "0" is located at the beginning of the score, and another "0" is placed above the first violin part. The page number "29" is in the top right corner.





This page of the musical score for 'SpectroKnot' (page 32) features a full orchestral ensemble and a string quartet. The score is divided into three systems of staves.

**System 1 (Measures 541-544):** Includes woodwinds (FL 1-2, Piccolo, Oboes 1-2, English Horn, Clarinets 1-2, Bass Clarinet, Bassoons 1-3) and brass (Trumpets 1-3, Trombones 1-2, Bass Trombone, Tuba). Dynamics range from *mf* to *f*.

**System 2 (Measures 545-548):** Includes percussion (Percussion 1-4, Timpani, Harp, Piano) and strings (Violins 1-2, Viola, Cello, Double Bass). Percussion includes 'tangle let ring' and 'choke' effects. Dynamics range from *f* to *mf*.

**System 3 (Measures 549-552):** Continues the woodwind and string parts with dynamic markings such as *f* aggressively, *mp*, *mf*, *f*, *mf*, and *mp*. Includes performance directions like 'div.' and 'unis.'

This page of the musical score, titled "SpectroKnot", covers measures 554 through 559. It features a variety of instruments including woodwinds, brass, strings, and percussion. The score is written in a 3/4 time signature and includes dynamic markings such as *mp*, *p*, *mf*, *f*, and *mf* *coalescing*. Performance instructions like "to flute" and "to contrabassoon" are present. The woodwind section includes Flutes 1 and 2, Piccolo, Oboes 1 and 2, English Horn, Bass Clarinets 1 and 2, Clarinet, Bassoons 1, 2, and 3, and Horns 1 through 4. The brass section includes Trumpets 1, 2, and 3, Trombones 1 and 2, Baritone, and Tuba. The string section includes Violin I and II, Viola, Violoncello, and Contrabass. The percussion section includes Snare Drum, Bass Drum, and Tom-tom. The score concludes with measures 558 and 559, featuring a final *mf* *gliding* instruction.

FL 1, FL 2, FL 3, Ob. 1, Ob. 2, E. Hn., B♭ Cl. 1, B♭ Cl. 2, B. Cl., Bsn. 1, Bsn. 2, C. Bn.

Musical score for woodwinds and strings (flutes, oboes, horns, clarinets, bassoons). The score includes dynamic markings such as *mf* (mezzo-forte), *f* (forte), and *mp* (mezzo-piano), along with performance instructions like "inquisitive" and "gliding".

Hn. 1, Hn. 2, Hn. 3, Hn. 4, B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba.

Musical score for brass instruments (horns, trumpets, trombones, tuba). The score includes dynamic markings such as *mf* (mezzo-forte), *mp* (mezzo-piano), and *f* (forte), along with performance instructions like "gliding".

Timp., Perc. 1, Perc. 2, Perc. 3, Perc. 4.

Musical score for percussion instruments (timpani, four types of percussion). The score is mostly empty, indicating no activity for these instruments in this section.

Hp., Pno.

Musical score for piano and harp. The score is mostly empty, indicating no activity for these instruments in this section.

Vln. I, Vln. II, Vla., Vc., Vc., Cb.

Musical score for strings (violins, viola, violas, cellos, double bass). The score includes dynamic markings such as *mf* (mezzo-forte), *mp* (mezzo-piano), *p* (piano), and *pp* (pianissimo), along with performance instructions like "agreeingly", "propelling", and "considerately".

591

FL 1

FL 2

FL 3

Ob. 1

Ob. 2

E. Hn.

B. Cl. 1

B. Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B. Tpt. 1

B. Tpt. 2

B. Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Hp.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*mf* inquisitive

commandingly *p* *f* *mf*

commandingly *p* *f* *mf*

snare on with stick *p* *f*

diminishing *mp* *f* *mf* obligingly

diminishing *mp* *f* *mf* obligingly *mf* *f* *mf*

diminishing *f* *mp* obligingly *mf* *f* *mf*

diminishing *f* *mp* obligingly

*mf* *mp* *f* longingly

1



606

Fl. 1 *obliquely mf > f > mf*

Fl. 2 *obliquely mf < f > mf*

Fl. 3

Ob. 1 *apprehensively f*

Ob. 2 *apprehensively f*

E. Hn.

B. Cl. 1 *obliquely mf < f > mf*

B. Cl. 2 *obliquely mf < f > mf*

B. Cl. *obliquely mf < f > mf*

Bsn. 1 *obliquely mf < f > mf*

Bsn. 2 *gully mp < mf > mp*

C. Bn. *gully mp < mf > mp*

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B. Tpt. 1 *commandingly f mf*

B. Tpt. 2 *commandingly f mf*

B. Tpt. 3 *commandingly f mf*

Tbn. 1 *commandingly f mf*

Tbn. 2

B. Tbn.

Tuba

Timp. 606

Perc. 1

Perc. 2

Perc. 3 *bass drum f*

Perc. 4 *suspended cymbal with soft mallets p cresc f let ring*

Hp.

Pno.

Vln. I *f > mf* *impartially p < mf > p p < mf >*

Vln. II *f > mf* *impartially p < mf > p p < mf >*

Vla. *f > mf*

Vcl. *obliquely mf < f > mf* *impartially f > p p < mf > p*

Cb. *impartially mf < f > p p < mf > p*

This page of the musical score, titled "SpectroKnot", contains measures 621 through 627. The score is arranged in a standard orchestral format with the following parts:

- Flutes (FL 1-3):** FL 1 and FL 2 have a melodic line starting in measure 621, marked *mf* and *resolutely*. FL 3 is silent.
- Oboes (Ob. 1-2):** Ob. 1 and Ob. 2 play a similar melodic line, with dynamic markings ranging from *mf* to *p*.
- English Horn (E. Hn.):** Plays a melodic line, marked *mf* and *resolutely*.
- Clarinets (B. Cl. 1-2):** B. Cl. 1 and B. Cl. 2 play a rhythmic accompaniment, marked *mf* and *resolutely*.
- Bassoons (Bsn. 1-2):** Bsn. 1 and Bsn. 2 play a rhythmic accompaniment, marked *mf* and *resolutely*.
- Contrabassoon (C. Bn.):** Plays a rhythmic accompaniment, marked *mf* and *resolutely*.
- Horns (Hn. 1-4):** All four horns are silent throughout this section.
- Trumpets (B. Tpt. 1-3):** B. Tpt. 1 and B. Tpt. 2 have a melodic line starting in measure 621, marked *vanquishing* and *f*. B. Tpt. 3 is silent.
- Trombones (Tbn. 1-2):** Tbn. 1 and Tbn. 2 have a melodic line starting in measure 621, marked *vanquishing* and *f*.
- Bass Trombone (B. Tbn.):** Silent.
- Tuba:** Silent.
- Timpani (Timp.):** Silent.
- Percussion (Perc. 1-4):** Perc. 1 and Perc. 2 are silent. Perc. 3 and Perc. 4 play a rhythmic pattern, marked *f*. Perc. 4 is specifically noted as playing a "suspended cymbal with side of stick let ring".
- Harp (Hp.):** Silent.
- Piano (Pno.):** Silent.
- Violins (Vln. I-II):** Violin I and Violin II play a melodic line, marked *p* and *resolutely*.
- Viola (Vla.):** Plays a melodic line, marked *p* and *resolutely*.
- Violoncello (Vc.):** Plays a melodic line, marked *p* and *resolutely*.
- Double Bass (Cb.):** Plays a melodic line, marked *p* and *resolutely*.

617

V

FL 1 *f* enduring *mp* *f* distressed

FL 2 *f* enduring *mp* *f* distressed

FL 3 *f* enduring *mp* *f* distressed

Ob. 1 *f* enduring *mp* *f* distressed

Ob. 2 *f* enduring *mp* *f* distressed

E. Hn. *f* enduring *mp* *f* distressed

B. Cl. 1 *f* enduring *mp* *f* distressed

B. Cl. 2 *f* enduring *mp* *f* distressed

B. Cl. *to clarinet* *f* distressed *clarinet*

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1 *f* headlessly

Hn. 2

Hn. 3 *f* headlessly

Hn. 4 *f* headlessly

B. Tpt. 1 *f* headlessly

B. Tpt. 2 *f* headlessly

B. Tpt. 3

Tbn. 1 *f* headlessly

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2 *f* medium gong let ring

Perc. 3 *mf* bass drum roll

Perc. 4 *f* suspended cymbal with soft mallets choke choke choke let ring let ring let ring *p f p f p*

Hp.

Pno.

Vln. I *f* enduring *mp* *f* distressed *div.*

Vln. II *f* enduring *mp* *f* distressed *div.*

Vla. *f* enduring *mp* *f* distressed

Vcl. *f* enduring *mp* *f* distressed

Cb. *f* enduring *mp* *f* distressed

W Supercharged ♩ = 168

This page of the musical score, titled "SpectroKnot", contains staves 651 through 719. The score is for a full orchestra and includes the following parts and markings:

- Woodwinds:**
  - FL 1-3, Ob. 1-2, E. Hn., B. Cl. 1-3, Bsn. 1-2, C. Bn., Hn. 1-4, B. Tpt. 1-3, Tbn. 1-2, B. Tbn., Tuba: Primarily marked with *mf* and *f*. FL 1, 2, and 3 have "to piccolo" markings. E. Hn., Bsn. 1-2, B. Tpt. 1-3, and Tbn. 1-2 feature "flutter" markings and *mf* or *ff* dynamics.
- Brass:**
  - Bsn. 1-2, B. Tbn., Tuba: Bsn. 1-2 and B. Tbn. feature "heedlessly" markings. B. Tbn. and Tuba have "deceptively" markings.
- Percussion:**
  - Timpani (Timp.): Marked with *mf* and *f*.
  - Percussion 1 (Perc. 1): Marked with *f* and "triangle".
  - Percussion 4 (Perc. 4): Features "let ring" markings, *f* and *p* dynamics, and a "choke" instruction.
- Strings:**
  - Vln. I, Vln. II, Vla., and Vc.: Marked with *mf* and *f*. Vln. I and Vln. II have "unis." markings. Vc. has a "div. bow on the bridge" marking.
  - Cb.: Marked with *mf* and *f*.

The score includes various dynamics such as *mf*, *f*, and *ff*, along with performance instructions like "reaffirming", "deceptively", and "choke". A key signature change is indicated by a double bar line with a sharp sign.

654

Fl. 1

Fl. 2

Picc.

Ob. 1

Ob. 2

E. Hn.

B. Cl. 1

B. Cl. 2

B. Cl. 3

Bsn. 1

Bsn. 2

C. Bn.

655

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B. Tpt. 1

B. Tpt. 2

B. Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

656

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

657

Hp.

658

Pno.

659

Vln. I

Vln. II

Vla.

Vcl.

Vcl.

Cb.

flutter  
mf unrealistically

to flute

oboe flutter  
unrealistically  
mf

flutter  
unrealistically  
mf

div.  
bowed on the bridge  
mf unrealistically

bowed on the bridge  
mf unrealistically

div.  
unrealistically  
mf

div.  
bowed on the bridge  
mf unrealistically

bowed on the bridge  
mf unrealistically

bowed on the bridge  
mf unrealistically

This page of the musical score for "SpectroKnot" contains parts for the following instruments:

- Flutes (FL 1-3):** Part 1 includes dynamics like *mf stabilizing*, *mp*, *mf*, *p*, and *mf*. Part 2 includes *mf stabilizing*, *mp*, *mf*, *p*, and *mf*. Part 3 includes *mf* and *f*.
- Oboes (Ob. 1-3):** Part 1 includes *flutter unrealistically mf*. Part 2 includes *flutter unrealistically mf*. Part 3 includes *to English horn*.
- Bassoons (Bn. 1-2):** Part 1 includes *mp stabilizing* and *p*. Part 2 includes *mp stabilizing* and *p*. Part 3 includes *to bassoon f*.
- Clarinets (B. Cl. 1-3):** Part 1 includes *flutter unrealistically mf*. Part 2 includes *flutter unrealistically mf*. Part 3 includes *to bass clarinet*.
- Horns (Hn. 1-4):** All parts are currently blank.
- Trumpets (B. Tpt. 1-3):** Part 1 includes *p stabilizing*, *mp*, *p*, *mf*, *p*, *mf*, *p*, *mf*, *p*, *mf*. Part 2 includes *mp stabilizing*, *p*, *mp*, *p*, *mf*, *p*, *mf*, *p*, *mf*. Part 3 is blank.
- Trombones (Tbn. 1-2):** Part 1 includes *stabilizing mp*, *p*, *mf*, *p*, *mf*, *p*, *mf*, *p*, *mf*. Part 2 includes *stabilizing mp*, *p*, *mf*, *p*, *mf*, *p*, *mf*, *p*, *mf*.
- Tuba:** Part is blank.
- Percussion (Perc. 1-4):** Part 3 includes *high woodblock stabilizing f*. Parts 1, 2, and 4 are blank.
- Harps (Hp.):** Part 1 includes *f stabilizing*, *let ring*, and *both hands*. Part 2 includes *recitativo*.
- Piano (Pno.):** Part is blank.
- Violins (Vln. I, II):** Part 1 includes *f*. Part 2 includes *f*. Part 3 includes *f*.
- Violas (Vla.):** Part 1 includes *f*. Part 2 includes *f*. Part 3 includes *f*.
- Cellos (Vc.):** Part 1 includes *f*. Part 2 includes *f*. Part 3 includes *f*.

696

FL 1

FL 2

FL 3

Ob. 1

Ob. 2

E. Hn.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

Bsn. 3

696

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

696

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

696

Hp.

696

Pno.

696

Vln. I unis.

Vln. II unis.

Vla. unis.

Vc. unis.

Cb. unis. *pizz.* *f* *spiccatissimo*

711

FL 1

FL 2

FL 3

Ob. 1

Ob. 2

E. Hn.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

Bsn. 3

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

712

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

713

Hp.

714

Pno.

715

Vln. I

Vln. II

Vla.

Vc.

Cb.

711

712

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1000

mute

*mf* dissident

stung drum circles with brush snare on *f*

suspended cymbal with stick end let ring *f*

rejuvenating *mf*

both hands

div. mute bow on the fingerboard *mf* dissident

mute bow on the fingerboard *mf* dissident



728

FL 1

FL 2

FL 3

Ob. 1

Ob. 2

E. Hn.

B. Cl. 1

B. Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

Bsn. 3

729

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B. Tpt. 1

B. Tpt. 2

B. Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

729

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

729

Hp.

729

Pno.

729

Vln. I

Vln. I

Vln. II

Vla.

Vc.

Cb.

high woodblock

*f*

*mf* *dissonant*

div. mite bow on the fingerboard

mite bow on the fingerboard

*mf* *dissonant*

Score for SpectroKnot, page 45. The score is divided into three systems, each containing multiple staves for various instruments. The first system includes Flutes (FL 1-3), Oboes (Ob. 1-2), English Horn (E. Hn.), Clarinets (B♭ Cl. 1-2, B. Cl.), Bassoons (Bsn. 1-3), Horns (Hn. 1-4), Trumpets (B♭ Tpt. 1-3), Trombones (Tbn. 1-2, B. Tbn., Tuba), and Timpani (Timp.). The second system includes Percussion (Perc. 1-4), Harp (Hp.), and Piano (Pno.). The third system includes Violins (Vln. I, Vln. II), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). The score features complex rhythmic patterns, including a prominent triplet in the Percussion 4 part. The Percussion 3 part has a consistent rhythmic pattern with accents. The Harp part has a melodic line with accents and a dynamic marking of *f*. The Violin I and II parts have melodic lines with various articulations. The Viola, Violoncello, and Contrabass parts are mostly silent.

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Z

754

FL 1

FL 2

FL 3

Ob. 1

Ob. 2

E. Hn.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

Bsn. 3

755

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

756

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

757

Hp.

758

Pno.

759

Vln. I

Vln. I

Vln. II

Vln. II

Vla.

Vc.

Cb.

760

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799

FL 1 *transformative* *f*

FL 2 *transformative* *f*

FL 3 *flute* *transformative* *f* *to piccolo*

Ob. 1 *transformative* *f*

Ob. 2 *transformative* *f*

E. Hn. *percussing* *mp* *mf*

Bs. Cl. 1 *percussing* *mp* *mf* *mp*

Bs. Cl. 2 *transformative* *f* *percussing* *mp* *mf* *mp*

B. Cl. *transformative* *f*

Bsn. 1 *percussing* *mp* *mf*

Bsn. 2 *transformative* *f* *percussing* *mp* *mf*

Bsn. 3 *baritone* *transformative* *f*

Hn. 1

Hn. 2

Hn. 3

Hn. 4

B. Tpt. 1

B. Tpt. 2

B. Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3 *high woodblock* *f*

Perc. 4

Hp.

Pno. *Both hands*

Vln. I *percussing* *mp* *mf* *without mite* *mp*

Vln. II *div.* *mf* *dissident* *percussing* *mp* *without mite* *mf* *without mite* *percussing* *mp* *mf*

Vla. *mf* *dissident* *percussing* *mp* *mf*

Vcl. *unis.* *mf* *dissident* *div.* *percussing* *mf* *f*

Cb.

BBB

This page contains the musical score for SpectroKnot, page 49. The score is arranged in a standard orchestral layout with multiple staves for each instrument family. The instruments listed on the left are: Fl. 1, Fl. 2, Picc., Ob. 1, Ob. 2, E. Hn., B. Cl. 1, B. Cl. 2, B. Cl., Bsn. 1, Bsn. 2, Bsn. 3, Hn. 1, Hn. 2, Hn. 3, Hn. 4, B. Tpt. 1, B. Tpt. 2, B. Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba, Timp., Perc. 1, Perc. 2, Perc. 3, Perc. 4, Hp., Pno., Vln. I (two staves), Vln. II (two staves), Vla., Vcl., and Cb. The score includes various musical notations such as notes, rests, dynamics (e.g., *mf*, *mp*, *mf*, *f*, *mf* *pennetring*), articulation (e.g., *staccato*, *legato*), and performance instructions (e.g., *without mate*, *crash cymbals let ring*, *both hands*, *arco*). The page is marked with a Creative Commons (CC) license symbol in the top right corner.



This page of the musical score, titled "SpectroKnot", covers measures 423 through 429. It features a variety of instruments including woodwinds, brass, strings, and percussion. The score includes dynamic markings such as *f* (forte) and *f* *severely*, as well as performance instructions like "replete", "to flute", "to contrabassoon", "bass drum", and "crash cymbals choke". A double bar line with "DD" above it is present at measure 427. The woodwind section includes Flutes 1 and 2, Piccolo, Oboes 1 and 2, English Horn, Clarinets 1 and 2, Bass Clarinet, Bassoons 1, 2, and 3, Horns 1 through 4, Trumpets 1 through 3, Trombones 1 through 3, and Tuba. The brass section includes Trumpets 1 through 3, Trombones 1 through 3, and Tuba. The percussion section includes four different percussion parts, with specific instructions for bass drum and crash cymbals. The string section includes Violins I and II, Violas, Cellos, and Double Basses. The piano part is also present, with a note for "both hands" at measure 425.



FL 1, FL 2, FL 3, Ob. 1, Ob. 2, E. Hn., B. Cl. 1, B. Cl. 2, B. Cl., Bsn. 1, Bsn. 2, C. Bn., Hn. 1, Hn. 2, Hn. 3, Hn. 4, B. Tpt. 1, B. Tpt. 2, B. Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba, Timp., Perc. 1, Perc. 2, Perc. 3, Perc. 4, Hp., Pno., Vln. I, Vln. II, Vla., Vc., Cb.

mf, f, pulsating, fevishly, triangle open, msc, with stick snare off, let ring, mf, cresc., snare on, flowing, unis.

551

FL 1 *f* *rupturing*

FL 2 *f* *overflowing*

FL 3 *f* *overflowing*

Ob. 1 *overflowing*

Ob. 2 *overflowing*

E. Hn. *overflowing*

B. Cl. 1 *overflowing*

B. Cl. 2 *overflowing*

B. Cl. *overflowing*

Bsn. 1

Bsn. 2

C. Bn.

552

Hn. 1 *f* *rupturing*

Hn. 2 *f* *rupturing*

Hn. 3 *f* *rupturing*

Hn. 4 *f* *rupturing*

B. Tpt. 1 *f* *rupturing*

B. Tpt. 2 *f* *rupturing*

B. Tpt. 3 *f* *rupturing*

Tbn. 1 *f* *rupturing*

Tbn. 2

B. Tbn.

Tuba

553

Timp. *f* *decisively*

Perc. 1

Perc. 2 *ff*

Perc. 3

Perc. 4 *mf* *f* *crash cymbals let ring*

554

Hp. *f* *decisively* *both hands*

555

Pno. *f* *decisively*

556

Vln. I

Vln. I

Vln. II *rupturing*

Vln. II *rupturing*

Vla. *f* *rupturing*

Vla. *f* *rupturing*

Vc.

Cb.

This page of the musical score, titled "SpectroKnot", contains 32 staves for various instruments. The score is written in 4/4 time and includes dynamic markings such as *f* and *ff*, and performance instructions like "triangle open", "snare drum with stick", and "both hands".

**Flutes (FL 1-3):** Flute 1 (FL 1), Flute 2 (FL 2), and Flute 3 (FL 3) parts.

**Oboes (Ob. 1-2):** Oboe 1 (Ob. 1) and Oboe 2 (Ob. 2) parts.

**Clarinets (B. Cl. 1-3):** Bass Clarinet 1 (B. Cl. 1), Bass Clarinet 2 (B. Cl. 2), and Bass Clarinet 3 (B. Cl. 3) parts. The B. Cl. 3 part includes the instruction "clarinet" and "nupting".

**Bassoons (Bsn. 1-2):** Bassoon 1 (Bsn. 1) and Bassoon 2 (Bsn. 2) parts. The Bsn. 2 part includes the instruction "contrabassoon".

**Horns (Hn. 1-4):** Horn 1 (Hn. 1), Horn 2 (Hn. 2), Horn 3 (Hn. 3), and Horn 4 (Hn. 4) parts.

**Trumpets (B. Tpt. 1-3):** Trumpet 1 (B. Tpt. 1), Trumpet 2 (B. Tpt. 2), and Trumpet 3 (B. Tpt. 3) parts.

**Trombones (Tbn. 1-2):** Trombone 1 (Tbn. 1) and Trombone 2 (Tbn. 2) parts. The Tbn. 2 part includes the instruction "nupting".

**Bass Trombone (B. Tbn.):** Bass Trombone part.

**Tuba:** Tuba part.

**Percussion (Perc. 1-4):** Percussion 1 (Perc. 1), Percussion 2 (Perc. 2), Percussion 3 (Perc. 3), and Percussion 4 (Perc. 4) parts. Perc. 1 includes instructions for "triangle open" and "sim". Perc. 2 includes "snare drum with stick" and "stom on". Perc. 3 includes "bass drum with two mallets". Perc. 4 includes "choke".

**Harp (Hp.):** Harp part.

**Piano (Pno.):** Piano part.

**Violins (Vln. I, Vln. II):** Violin I (Vln. I) and Violin II (Vln. II) parts.

**Violas (Vla.):** Viola part.

**Cello (Cb.):** Cello part.