

"IMPERFECT INFORMATION"

FOR FLUTE, VIOLIN, BASS CLARINET, CELLO, & PIANO

MUSIC BY CHAD LANGFORD

..2014..

IMPERFECT INFORMATION is a concept taken from game theory, describing a scenario in which the state of all game materials cannot be known to all participants during gameplay.

The score is notated at sounding pitch.

DURATION: 12:00

For Georgina.

"IMPERFECT INFORMATION"

Chad Langford

Introductory section. ♩ = 44



Musical score for the Introductory section, tempo ♩ = 44. The score includes parts for Flute, Violin, Bass Clarinet, Cello, Piano (Pno.), Flute (Fl.), Violin (Vln.), Bass Clarinet (B. Cl.), Viola (Vc.), and Piano (Pno.).

The Piano part features a rhythmic accompaniment of triplets in both hands. Dynamics range from *ppp* (pianissimo) to *mf* (mezzo-forte).

Other instruments feature melodic lines with dynamics ranging from *ppp* to *mf*. Performance markings include *non vib.* (no vibrato) and various articulations.

"IMPERFECT INFORMATION"

4

This musical score is for a piece titled "IMPERFECT INFORMATION", page 4. It features six staves: Flute (Fl.), Violin (Vln.), Bass Clarinet (B. Cl.), Viola (Vc.), Piano (Pno.), and Percussion (Perc.). The score is divided into three systems, each containing five measures. The key signature has one flat (B-flat), and the time signature is 3/4. The piece includes various dynamics such as *pp*, *mf*, *p*, *f*, *ppp*, *ff*, and *mp*. It also features articulation marks like accents (>), slurs, and breath marks (pizz. b, arco). The Piano part is characterized by complex rhythmic patterns, including triplets and sixteenth-note runs. A box labeled 'A' is present above the Flute staff in the first system. The Percussion part is indicated by a large 'P' in the first system.

B Section I.

Musical score for Section I, measures 25-34. The score is arranged in systems for Flute (Fl.), Violin (Vln.), Bass Clarinet (B. Cl.), Viola (Vc.), Piano (Pno.), and Cello (Vc.).

Measures 25-28:

- Fl.:** Melodic line with triplets and dynamics *pp*, *p*, *ppp*, *pp*, *p*, *p*, *mf*, *ppp*.
- Vln.:** Rests in measures 25-26, then melodic line with triplets and dynamics *p*, *ppp*, *pp*, *p*, *ppp*.
- B. Cl.:** Melodic line with triplets and dynamics *pp*, *p*, *pp*, *p*, *pp*, *mf*, *ppp*.
- Vc.:** Melodic line with triplets and dynamics *pp*, *p*, *ppp*, *pp*, *p*, *pp*, *mf*, *ppp*, *p*.
- Pno.:** Accompaniment with triplets and dynamics *mf*, *ppp*.

Measures 29-33:

- Fl.:** Melodic line with triplets and dynamics *ppp*, *pp*, *mf*, *pp*, *pp*.
- Vln.:** Rests in measures 29-30, then melodic line with triplets and dynamics *pp*, *mp*, *ppp*, *pp*, *pp*.
- B. Cl.:** Melodic line with triplets and dynamics *pp*, *mp*, *ppp*, *pp*, *pp*.
- Vc.:** Melodic line with triplets and dynamics *ppp*, *pp*, *mf*, *ppp*.
- Pno.:** Accompaniment with triplets and dynamics *mf*, *ppp*, *f*, *ppp*, *mf*.

Measures 34-37:

- Fl.:** Rests in measures 34-35, then melodic line with triplets and dynamics *pp*, *pp*.
- Vln.:** Rests in measures 34-35, then melodic line with triplets and dynamics *pp*, *pp*.
- B. Cl.:** Rests in measures 34-35, then melodic line with triplets and dynamics *pp*, *pp*.
- Vc.:** Melodic line with triplets and dynamics *f*, *pp*, *ppp*, *f*, *pp*, *ppp*, *f*, *pp*.
- Pno.:** Accompaniment with triplets and dynamics *ppp*, *f*, *ppp*, *f*, *ppp*, *f*, *pp*.

"IMPERFECT INFORMATION"

This page of the musical score, titled "IMPERFECT INFORMATION", contains measures 39 through 46. It features six staves: Flute (Fl.), Violin (Vln.), Bass Clarinet (B. Cl.), Violoncello (Vc.), Piano (Pno.), and a section labeled 'C' which includes Flute, Violin, Bass Clarinet, and Violoncello. The score is written in a key signature of one flat (B-flat major or D minor) and a 4/4 time signature. It includes various musical notations such as triplets, slurs, and dynamic markings. The piano part is particularly dense with triplets and chords. The section 'C' begins at measure 43 and features a change in time signature to 5/4 and then 4/4.

Measures 39-42: Flute, Violin, Bass Clarinet, and Violoncello play a melodic line with dynamics ranging from *ppp* to *mf*. The Piano part features a complex texture of triplets and chords, with dynamics from *mp* to *f*.

Section C (Measures 43-46): This section includes Flute, Violin, Bass Clarinet, and Violoncello. The Flute and Violin parts have dynamics from *ppp* to *f*. The Bass Clarinet and Violoncello parts have dynamics from *p* to *pp*. The Piano part continues with triplets and chords, with dynamics from *ppp* to *f*.

Measures 46-49: The Flute, Violin, Bass Clarinet, and Violoncello parts continue with melodic lines and dynamics from *p* to *f*. The Piano part features a complex texture of triplets and chords, with dynamics from *f* to *ppp*.

49

Fl. *pp* *pp* *pp* *p*

Vln. *pp* *pp* *mp* *pp*

B. Cl. *ppp* *mf* *pp* *ppp* *mf* *pp*

Vc. *ppp* *f* *ppp* *f* *ppp*

Pno. *ppp* *f* *ppp* *f* *ppp*

52

Fl. *pp* *pp*

Vln. *pp* *pp*

B. Cl. *ppp* *mf* *pp* *ppp* *mf* *pp*

Vc. *p* *f* *ppp* *f*

Pno. *f* *ppp* *f* *ppp* *

D Section II. ♩ = 50

56

Fl. *pp* *p* *mf* *ppp*

Vln. *p* *mf* *ppp* *p* *p* *mf*

B. Cl. *pp* *p* *mf* *pp* *mp* *ppp*

Vc. *p* *mf* *pp* *mp* *pp* *p* *ppp*

Pno. *f* *ppp* *f* *ppp* *mf*

subito

"IMPERFECT INFORMATION"

59

Fl. *p* < *f* > *ppp* *p* < *mf* > *pp* *mp* > *pp* *p* > *p* < *f* > *ppp*

Vln. *p* *f* *arco* *p* < *mf* > *pp* *mp* > *pp* *p* < *f* > *ppp*

B. Cl. *p* < *f* > *pp* *mf* > *pp* *mp* > *ppp* *p* < *mf* > *pp* *p* < *f* > *pp* *mf* >

Vc. *p* < *f* > *pp* *mf* > *pp* *mp* > *pp* *p* > *p* < *mf* > *pizz.* *arco* *p* < *f* > *pp* *mf* >

Pno. *ff* *ppp* *p* *f*

ppp

62

Fl. *p* < *mf* > *ppp* *pp*

Vln. *pizz.* *p* *arco* *Jeté* *3* *pizz.* *arco* *Jeté* *3* *ff* *p*

B. Cl. *ppp* *p* < *mf* > *pp* *mp* > *ppp* *pp*

Vc. *pp* *mp* > *pp* *p* > *ppp* *p* < *mf* > *pp* *mp* > *pp* *p* > *ppp* *pizz.* *ff* *3* *mf*

Pno. *ppp* *mf* *ppp* *ff* *ppp*

65

Fl. *p* < *mf* > *pp* *mp* > *p* > *ppp* *pp* *pp*

Vln. *p* < *mf* > *pp* *mp* > *ppp* *pp* < *p* < *pizz.* *arco* *pizz.* *arco* *3* *p* > *mf* *p* > *ppp*

B. Cl. *p* < *mf* > *pp* *p* < *pp* < *p* *pp* < *pp* *pp*

Vc. *arco* *pizz.* *arco* *p* < *mf* *ppp* > *p* < *pp* < *p* *pp* < *pp* *pp* *Jeté* *3* *pizz.* *3* *mf* > *ppp* *Jeté* *arco* *pizz.* *3* *p* > *mf* > *ppp*

Pno. *mf* *ppp* *ff* *ppp* *fff* *ppp*

This musical score is for the piece "IMPERFECT INFORMATION" and spans measures 68 to 71. It is arranged for a chamber ensemble consisting of Flute (Fl.), Violin (Vln.), Bass Clarinet (B. Cl.), Viola (Vc.), Piano (Pno.), and Percussion (Perc.).

Measure 68: The Flute, Violin, and Bass Clarinet parts begin with a dynamic of *p* (piano), which increases to *mf* (mezzo-forte) and then *ppp* (pianissimo). The Viola part starts with *p* and moves to *pp*. The Piano part features complex textures with triplets and 3:2 rhythms, marked with dynamics *f*, *p*, and *ppp*. A *Leg.* (legato) marking is present. The Percussion part includes a *Jeté* (triplets) and a *Leg.* marking.

Measure 70: The Flute part continues with *ppp*. The Violin part alternates between *p* and *mf*. The Bass Clarinet part remains at *ppp*. The Viola part starts with *mf* and moves to *pp*. The Piano part continues with *ppp* and *f* dynamics. The Percussion part features *f* and *p* dynamics with a *Leg.* marking.

Measure 71: The Flute part begins with a dynamic of *ppp*, which increases to *mf* and then *ppp* again, ending with a *ff* (fortissimo) dynamic. The Violin part starts with *ppp* and moves to *p*. The Bass Clarinet part remains at *ppp*. The Viola part starts with *ppp* and moves to *p*. The Piano part continues with *ppp* and *f* dynamics. The Percussion part features *f* and *p* dynamics with a *Leg.* marking.

The score includes various performance instructions such as *pizz.* (pizzicato), *arco* (arco), and *Jeté* (triplets). Dynamic markings are indicated by slanted lines above or below the notes. The Percussion part is marked with *Leg.* and *ppp* dynamics.

"IMPERFECT INFORMATION"

10

73

Fl. *f* *ppp* *ppp*

Vln. *ppp* *ppp*

B. Cl. *ppp* *mf* *ppp*

Vc. *ppp* *ppp*

Pno. *f* *p* *mf* *ppp* *f* *p* *mf* *ppp*

* *leo.* * *leo.* * *leo.*

75

Fl. *ff* *f* *ppp* *flutz.* *ord.*

Vln. *p* *ppp*

B. Cl. *ppp* *f*

Vc. *p* *ppp*

Pno. *f* *p* *mf* *ppp* *f* *p*

* *leo.* * *leo.*

77

Fl. *ppp* *f* *ppp* *p* *fff*

Vln. *p* *ppp* *ppp*

B. Cl. *ppp* *ppp* *p*

Vc. *p* *ppp* *ppp*

Pno. *mf* *ppp* *f* *p* *f*

* *leo.* * *leo.* *

80

Musical score for measures 80-82, featuring Flute (Fl.), Violin (Vln.), Bass Clarinet (B. Cl.), Viola (Vc.), and Piano (Pno.).

Measure 80 includes a dynamic marking of *ff* for Flute and *ppp* for Piano. A box labeled **F** is present above the Flute staff. Trills are marked with *tr* in the Flute and Bass Clarinet parts. Trills in the Piano part are marked with *trco*. A trill in the Bass Clarinet part is marked with *tr*. A trill in the Piano part is marked with ***.

Measure 81 includes dynamic markings of *p* for Flute, *f* for Violin and Bass Clarinet, and *ppp* for Piano. A trill in the Bass Clarinet part is marked with *tr*. A trill in the Piano part is marked with ***.

Measure 82 includes dynamic markings of *p* for Flute, *f* for Violin and Bass Clarinet, and *ppp* for Piano. A trill in the Bass Clarinet part is marked with *tr*. A trill in the Piano part is marked with ***. A trill in the Bass Clarinet part is marked with *tr*. A trill in the Piano part is marked with ***.

82

Musical score for measures 82-83, featuring Flute (Fl.), Violin (Vln.), Bass Clarinet (B. Cl.), Viola (Vc.), and Piano (Pno.).

Measure 82 includes dynamic markings of *p* for Flute, *f* for Violin and Bass Clarinet, and *ppp* for Piano. A trill in the Bass Clarinet part is marked with *tr*. A trill in the Piano part is marked with ***.

Measure 83 includes dynamic markings of *pp* for Flute, *mf* for Violin and Bass Clarinet, and *ppp* for Piano. A trill in the Bass Clarinet part is marked with *tr*. A trill in the Piano part is marked with ***.

83

Musical score for measures 83-84, featuring Flute (Fl.), Violin (Vln.), Bass Clarinet (B. Cl.), Viola (Vc.), and Piano (Pno.).

Measure 83 includes dynamic markings of *pp* for Flute, *f* for Violin and Bass Clarinet, and *ppp* for Piano. A trill in the Bass Clarinet part is marked with *tr*. A trill in the Piano part is marked with ***.

Measure 84 includes dynamic markings of *p* for Flute, *mf* for Violin and Bass Clarinet, and *ppp* for Piano. A trill in the Bass Clarinet part is marked with *tr*. A trill in the Piano part is marked with ***.

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12

Fl. Vln. B. Cl. Vc. Pno.

84 *p* *pp* *ppp* *mf* *pp* *ppp*

84 *arco* *mp* *pp* *pp* *mp*

84 *mf* *pp* *pp* *mp* *ppp* *pp* *p*

84 *arco* *mp* *pp* *ppp* *mf* *pp* *p* *ppp*

84 *f* *p* *pp* *fff*

ppp *Lea* *ppp* *ppp*

G Section III. ♩ = 64

Fl. Vln. B. Cl. Vc. Pno.

88 *non vib.* *pppp* *pp* *mp*

88 *non vib.* *pppp* *pp* *mp* *p* *ppp* *p* *ppp*

88 *non vib.* *pppp* *pp* *mp* *p*

88 *non vib.* *pppp* *mp*

Fl. Vln. B. Cl. Vc. Pno.

95 *pppp* *ff* *pppp*

95 *pppp* *non vib.* *pppp*

95 *pp* *ff*

95 *pppp* *pp*

95 *pppp* *ff* *pp* *f* *pppp*

Lea *** *Lea* ***

99

Fl. *pp* *pppp* *pppp* *pp*

Vln. *ff* *pppp* *f* *pp*
molto vib. non vib.

B. Cl. *pp*

Vc. *pppp* *mf* *pppp*

Pno. *pppp* *fff* *mf* *pppp*

Rea. * Rea. *

103

Fl. *pp* *accel.* $\text{♩} = 170$

Vln. *pppp* *pp* *fff* L.V.

B. Cl. *pp* *f* *pp* non vib. molto vib. L.V.

Vc. *pppp* *pp* *pppp* *fff* L.V.

Pno. *pppp* *fff*

Rea. *

H $\text{♩} = 64$

Fl. *ppp* *ff* *f* *ppp* *ff* *pp*

Vln. *ppp* *ppp* *ff* *pp*

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

Vc. *ppp* *f* *ppp* *ff* *p*

Pno. *ppp* *pp* *8vb*

Rea.

118

Fl. *pppp* *p* *p* *mf* *mp* *p* *pp* *ppp*

Vln. *f* *p* *pp*

B. Cl.

Vc. *ppp* *p* *ppp* *p* *mf*

Pno. *p* *pp* *ppp* *pppp*

8va

* *leo* *

Section IV. ♩ = 44

126

Fl. *pp* *p* *ppp* *pp* *p* *p* *mf* *ppp* *p*

Vln. *p* *ppp* *pp* *p* *ppp*

B. Cl. *pp* *p* *pp* *p* *pp* *mf* *ppp*

Vc. *pp* *p* *ppp* *pp* *p* *pp* *mf* *ppp* *p*

Pno. *ppp* *p* *ppp*

8va

leo

130

Fl. *ppp* *ppp* *mf* *pp* *pp* *pp*

Vln. *pp* *mp*

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

Vc. *ppp* *ppp* *mf* *pp* *ppp* *f* *pp*

Pno. *ppp* *p* *ppp* *mp* *ppp*

8va

* *leo* *

135

Fl. *pp* *ppp* *mf* *pp* *pp*

Vln. *pp* *ppp* *mf* *pp* *mp* *pizz.*

B. Cl. *pp* *ppp* *mf* *pp* *pp*

Vc. *ppp* *f* *pp* *mp* *pp* *ppp* *f* *pp* *pp*

Pno. *p* *ppp* *f* *p* *mf* *p* *ppp*

140

Fl. *ppp* *f* *ppp*

Vln. *pp* *ppp* *f* *ppp*

B. Cl. *p* *ppp* *f* *ppp*

Vc. *p* *ppp* *f* *ppp* *p* *f* *p*

Pno. *ppp* *f* *mf* *ppp* *ppp* *ppp* *ppp*

arco

ppp *f* *ppp* *ppp* *ppp* *ppp*

144

Fl.

Vln.

B. Cl.

Vc.

Pno. *f* *p* *pppp*