

Refraction

for

Clarinet, Violin and Piano

by

Keith A. Hamel

*Commissioned by the Ensemble Intercontemporain as part of the
1991 Scotia Festival of Music*

PIANO PART

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Duration: 10 min.

Performance Rights: SOCAN

Performance Notes

General:



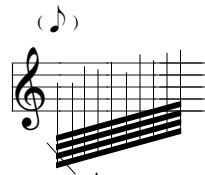
as fast as possible



unmeasured, but played at approximately the speed indicated.



repeat pattern continuously



move fingers rapidly (in random order) and gradually move up the string

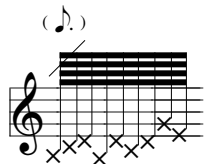


as high as possible on the specified string

Clarinet:

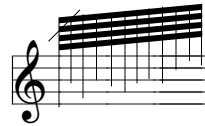


always denotes flutter-tongue

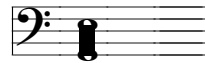


audible key clicks and breathy notes; some pitch, but mostly air

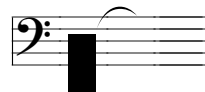
Piano:



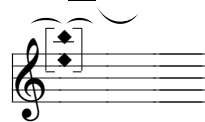
play random notes as quickly as possible (in the approximate register indicated)



chromatic cluster

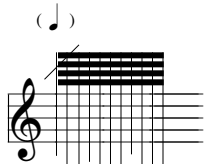


hit piano strings with the palm of the hand and let the strings resonate



pitches sustained by sostenuto pedal

Violin:



move fingers rapidly (in random order) on specified string

sul G

Additional piano pedalings may be desirable. All notated pedal indications should be taken to be advisory in nature.

Refraction - Keith Hamel

Piano

♩ = 60

Musical score for measures 1-4. The piece is in 4/4 time. The right hand starts with a piano (*p*) chord. The left hand features a series of chords and melodic lines with dynamic markings: *ppp*, *pp*, *ff*, *p*, *f*, and *mf*. There are triplets in the right hand and a *ff* marking with a *Red.* (Reduction) symbol in the left hand.

5

Musical score for measures 5-8. The right hand has a *pp* marking. The left hand has *mp*, *p*, *pp*, and *mp* markings. There are triplets and a *Red.* (Reduction) symbol in the left hand.

9

Musical score for measures 9-11. The right hand has *fff*, *pp*, and *loco* markings. The left hand has *mf*, *ff*, *sfz*, *ff*, *f*, *ff*, *mf*, and *f* markings. There are sextuplets and a *Red.* (Reduction) symbol in the left hand.

12

Musical score for measures 12-15. The right hand has *ff*, *pp*, *p*, and *fff* markings. The left hand has *mp*, *mf*, *f*, and *fff* markings. There are triplets and sextuplets in both hands, and a *Red.* (Reduction) symbol in the left hand.

14

p *mf* *pp* *mp* *mf* *f*

ff *mp* *mp*

(And.)

16

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

ff

(And.)

18

8va----- loco

ff *mf* *ff* *f*

ff *mf* *ff*

as fast as possible *ff* *mf* gradually vary loudness *p* - *f*

(And.)

20

ff *mp* *p* *sfz*

(And.)

3

22

8va-... loco

mp *f* *mf*

mp *f*

ff *ff*

8

loco

mf *cresc. poco a poco...*

(Ped.)

24

ff *mf* *f* *ff*

ff *fff* *mf* *fff*

8vb-... loco

(Ped.)

26

8

loco

p *p* *f* *legato* *pp*

f

Sostenuto

(Ped.)

29

sempre p *f* *mf* *mp* *f* *mf*

mf *mp*

f *mf*

(sost)

Senza ped.

32

mp mp mf f ped.

35

mp f mp f ff ped.

38

f ff ped.

41

♩ = 48

ppp pp fff ped.

U.C.

46

p ff p p ped.

U.C. U.C.

5

49

mp *ff* *mp* *fff*

6

ped.

52

$\text{♩} = 60$

pp *mf* *mp* *p*

U.C.

ped.

56

$\text{♩} = 72$

p *mf* *ff* *f*

U.C.

ped. / Senza ped.

59

mf *f* *ff*

mp *mf*

61

ff *ff*

ped.

♩ = 60

63

8

fff

fff

(Red.)

66

8

fff

fff

loco

6

3

PPP

mp

(Red.)

Sost.

1/2 Red.

69

8

fff

fff

loco

pp

mp

pp

6

pp

(Sost.)

1/2 Red.

71

8

p

mf

fff

pp

loco

12

p

mf

fff

pp

(Red.)

(Sost.)

1/2 Red.

73

Musical score for measures 73-76. The score is in 3/4 time and consists of three staves: Treble, Middle, and Bass. Measure 73 starts with a treble clef, a key signature of one sharp (F#), and a 3/4 time signature. The music features complex rhythmic patterns with many sixteenth and thirty-second notes. Dynamic markings include *ff*, *p*, *mp*, and *fff*. Trills (*tr*) are present in measures 73, 74, and 75. Fingerings are indicated with numbers 1-5. A *loco* marking is present in measure 76. The piece concludes with a *fff* dynamic and a fermata.

(Ped.)
(Sost.)

75

Musical score for measures 75-76. This system continues from the previous one. It features similar complex rhythmic patterns and dynamic markings such as *mf*, *mp*, *f*, and *mp*. Trills (*tr*) continue in measures 75 and 76. The piece ends with a *mp* dynamic and a fermata.

(Ped.)
(Sost.)

77

Musical score for measures 77-78. The time signature changes to 4/4 in measure 77. The music continues with complex rhythmic patterns and dynamic markings including *mf*, *f*, and *ff*. Trills (*tr*) are present in measure 77. In measure 78, there is a *fff* dynamic marking and a *lv* (lento) marking. A text box with a black background contains the instruction: "hit piano strings with palm of hand". The piece concludes with a *fff* dynamic and a fermata.

(Ped.)
(Sost.)

79

Musical score for measures 79-81. The tempo is marked as $\text{♩} = 48$. The time signature changes to 3/4 in measure 79. The music features complex rhythmic patterns and dynamic markings including *mf* and *f*. A *gliss* (glissando) marking is present in measure 79. The piece concludes with a *mf* dynamic and a fermata.

(Ped.) / Senza ped.

92

fff
Red.
loco
sfz

94

f
fff
Red.

97

loco
fff
loco
fff
Red.

99

ff
Red.
loco

103

♩ = 68

fff
ppp
pp gradually vary dynamic level ppp - mp
fff
ppp
pp gradually vary dynamic level ppp - mp
Red.

106

8

(Ped.)

109

8

mp poco a poco cresc ...

f molto cresc ... ***ffff***

mp poco a poco cresc ...

f molto cresc ... ***ffff***

loco

(Ped.)

111

lv

ppp

poco cresc ...

lv

(Ped.)

117

pp

p

mp

mf

mp

mf

(Ped.)

122

mf

f

Senza ped.

(Ped.)

126

ff

fff

subito mp

subito mp

loco

8va

loco

mf

2/4

9/8

8

8

(Ped.)

130

mf f

mf f

134

f f

ff ff

Red. Red. Red. Red.

139

f ff

ff ff

Red. Red. Red. Red.

144

sfz f fff mf

♩ = 138

Red. Red.

148

f ff

ff ff

Red.

11

152 ⁸

fff *ffff* *fff*

Red. *Sost.* *Red.*

156 ⁸

p *pp* *pp*

Red. *(sost.)*

161

p *ppp* *pp* *ppp*

Red. *(sost.)*

167

pp *pp*

Red. *(sost.)*

173

ppp *ppp*

Red. *(sost.)*

179

pp

(*sost.*) _____