

# Refraction

for

Clarinet, Violin and Piano

by

Keith A. Hamel

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

## **Bb CLARINET PART**

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Duration: 10 min.

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# Performance Notes

## General:



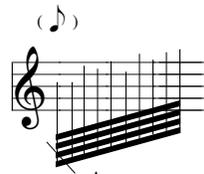
as fast as possible



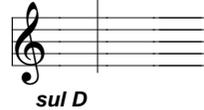
unmeasured, but played at approximately the speed indicated.



repeat pattern continuously



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

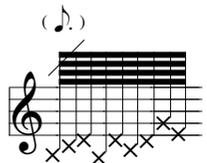


as high as possible on the specified string

## Clarinet:

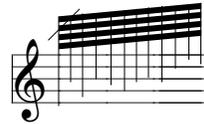


always denotes flutter-tongue



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

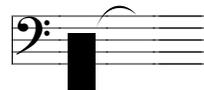
## Piano:



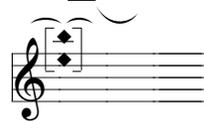
play random notes as quickly as possible (in the approximate register indicated)



chromatic cluster

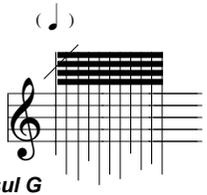


hit piano strings with the palm of the hand and let the strings resonate



pitches sustained by sostenuto pedal

## Violin:



move fingers rapidly (in random order) on specified string

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

# Refraction - Keith Hamel

Bb Clarinet

$\text{♩} = 60$

flutter 3

*pp* *p* *ppp* *ppp* *mp*

5

flutter

*pp* *p* *mp* *pp* *p* *pp* *p* *ppp* *p*

9

poco

*ppp* *p* *ppp* *mp* *mf* *fp* *fp*

12

*fp* *fp* *fp* *fp* *ffp*

14

*ffp* *mf* *p* *f* *p* *f* *p* *f* *p*

16

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

18

*mf* *ff* *sfz* *ffmp*

20

*f* *ffmp* *f* *ffmp* *f*

22

*ffmp* *f* *ffmp* *ff* *ffmf*

24

*ff* *f* *ff* *f* *ff* *ffmp* *mf*

26 *ffpp* *mfpp* *mfpp* *mfpp* *mfpp* *mfpp* *mp* *mfpp* *fp* *pp*

29 *mp* *pp* *mf* *p* *pp* *mf* *p*

32 *mf* *p* *mf* *p* *mf* *p* *f*

35 *p* *f* *ffp* *mf* *p*

38 *mp* *pp* *f* *p* *mp* *p* *fmp* *ff*

41  $\text{♩} = 48$  *fff* *pp* *mp* *pp* *pp* *mp* *f* *ffp* *mp* *p*

46 *mf* *p* *p* *mf* *mfp* *f* *ffp* *mfp* *mf* *p*

49 *mfp* *mfp* *p* *mp* *f* *ff* *ffp* *ff* *fff*

52  $\text{♩} = 60$  *mfpp* *mfpp* *ffp* *mp* *pp* *p*

56  $\text{♩} = 72$  *f* *ffp* *p* *ffmp* *mf* *ffp* *fff*

59 *p* flutter *ffp*

61 *ff*

63 *ff* *ppp* *mf* *pp* *pp* *tr* *flutter* *tr*

$\text{♩} = 60$  (6) *slightly uneven trill speed*

66 *mp* *p* *mf* *p* *pp* *ppp* *p* *pp* *pp*

69 *mp* *mf* *pp* *ppp* *mp* *pp* *pp*

71 *mp* *p* *mf* *p* *mp* *pp* *p* *mf*

73 flutter *p* *mp* *mf* *p* *mf* *p* *pp* *mp* *p*

75 *mf* *p* *f* *mp* *mf* *p* *f* *mp* *ffmp*

77 *mf* *mp* *f* *p* *f* *mp*

79  $\text{♩} = 48$  *ff* *pp* niente *pp* *mp* *ppp* *mfpp*

84 *mp* *pp* *mp* *pp* *pp* *mf* *p* *pp* *f* *p* *mostly air (mp) with some pitch (pp) and audible key clicks* *ffp*

bend gliss

89 *p sf p ffp mp pp p* *gliss* *p sf*

94 *sf p ffp mf p ff* *12 12*

97 *sf p sf p* *flutter 12 12*

99 *sf p sf p ffp mf pp* *more air than pitch in low notes* *flutter*

101 *p ffp mf p ffp mf p p* *6 3*

103 *ff ffp mf pp p* *3 7* *♩ = 68*

106 *f mp ff f ff* *3 7 10*

109 *mf ff mp mf f mf ff mf ff* *10 6 6 6 3*

111 *pp p pp mp pp mp* *♩ = 92*

117 *pp mp pp mp pp mp pp mp pp mf pp mf p mf p mf*

122 *p mf p mf p mf p mf f p*

126 *f* *p* *ff* *p* *ff* *p* = *p*

130 *fp* *fp* *fp* *fp* *fp* *fp* *f* *p*

134 *f* *p* < *f* *ff* > *mf* < *ff* > *mf* < *ff* > *mp* < *ff* > *ff* > *mp* <

139 *ff* > *mf* < *ff* > *mf* < *ff* > *fff* > *mp* < *ff* > *mp* < *ff* >

flutter

144 *ffmp* *ffmp* *p* < *ffmp*

*p* = 138

148 *mf* < *ffmp* *ffmp* *ffp*

152 *ffp* *ffp* *fp* *fp*

156 *fp* *mfp* *mfpp*

161 *mfpp* *ppp* *mfpp* < > *mp* > *pp* < > *ppp* *pp*

flutter

167 *ppp* *pp* < > *p* > *ppp* < > *ppp* < > *p* > *ppp* *mp* > *ppp*

*poco*

173 *ppp* *mp*

flutter