

joakim sandgren

points caractéristiques (2013 - 2014)
pour trois musiciens et ordinateur (version avec piano)

partition

this version is dedicated to ensemble taller sonoro

scoring

1 eb clarinet

1 piano

1 cello

the score is notated in c.

duration ≈ 9 minutes

comments on dynamic notation

all dynamic signs are within quotation marks and do not indicate the actual volume heard but rather the intensity of the action.

the crescendos should be played with little crescendo in the beginning and much crescendo at the end ("saving" much of the crescendo for the end).

the diminuendos are to be played with a lot diminuendo at the beginning (doing most of the diminuendo at the beginning).

comments on performance techniques

eb clarinet

notes with square heads indicate "blow sound".
the mouthpiece should be used.
if the sound becomes too weak add sh-sound with the tongue.
you can also pinch the reed to add resistance.
only the fingerings in the eb clarinet fingering table should be used.
once in this technique try to the clarinet to resound as much as possible.

piano

the piano is to played on the upper two octave strings with a wooden beater (standing position) supplied or verified by the composer.

the strings are stroked at the end of the piano just before the endings of the strings.
the result is a pitch very close to the string's pitch.
the beater should rest on the string as long as the duration of the note. there will be a small noise then the stick is removed (that is good).
in the tremolos you cannot use this technique but let the beater bounce immediately after each stroke.

when the player changes the hitting position upwards a string, harmonics rises from the string resulting in a glissando.
this glissando is rising very rapidly.
on the upper staff, the bottom line represents the end of the string (position 1).
I am using this staff to indicate glissandos from 1 to 3 semitones (a small third).
there are no fixed distance values in centimeters due to the fact that different piano models are too different. the player has to find out the positions from 1 to 4 himself depending on the piano in question.

when 2 different pitches are asked for you can do it by putting the beater in between the two strings, stroking the two strings at the same time.
due to the frame bar of the piano it is a good idea to have two beaters.

the right piano pedal should be held down throughout the piece by a device.
the piano will always ring a little due to the fact that all the other strings gets slightly excited by resonance.
if the piano rings too much the player must control that with the hand.

cello

square notes are to be played as semi-harmonics where the finger touches the string very gently without depressing it.
one could add one or two fingers behind the first finger to ensure that the string is well damped and to avoid all harmonics effects.
the tone quality should be as bodily as possible without having "any" pitch in the sound.
you must hear the difference between two pitch positions (quarter tones).
the dynamics are produced by bow pressure or by bow speed.
it is recommended to use a lot of resin to get the sound right (not too smooth and soft).
try to make resounding the bow hair as much as possible.
the whole part is to played entirely on the g-string using a heavy bow.

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joakim sandgren (1965)

0
♩ = 72 rit...

clarinet

blow sound fingering as shown in table
"p" "mf"

piano

"p" "mf"

ord
msp
violoncelle

gliss.

gliss.

blow sound sul III sempre "p" "mf"

8

♩ = 69 ♩ = 69 rit... ♩ = 66 accel... ♩ = 69 ♩ = 69 accel... ♩ = 72

cl

"mf" "mf"

pno

"mf" "mf" "ff"

ord
msp
vlc

gliss.

gliss.

"mf" "ff"

16

cl

pno

bow pos

vlc

ord msp

4 1 15

3:2

[o]

ff *f*

3:2

5:4

f *mp*

[o] [i] [o]

3:2

ff *f*

f *mp*

3:2

gliss.

gliss.

ff *f*

f *mp*

23

cl

pno

bow pos

vlc

ord msp

4 1 15

3:2

mp

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

3:2

[i] [o]

mp

31

cl *mp* [i] [o] [i] [o] *mp* [o] [i] [o] [i] [o] [i] [o]

pno *mp* *mp*

vlc *mp* *mp* gliss.

$\text{♩} = 72 \text{ rit...}$ $\text{♩} = 66 \text{ rit...}$ $\text{♩} = 63 \text{ rit...}$ $\text{♩} = 60 \text{ accel...}$

39

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

pno *mf* *mf* *f*

bow pos ord msp gliss. gliss.

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

$\text{♩} = 66$ $\text{♩} = 66 \text{ rit...}$ $\text{♩} = 60$ $\text{♩} = 60 \text{ accel...}$ $\text{♩} = 66 \text{ rit...}$ $\text{♩} = 63$ $\text{♩} = 63 \text{ accel...}$ $\text{♩} = 69$

48

cl $\text{♩} = 69 \text{ rit...}$ $\text{♩} = 66 \text{ rit...}$

pno $> \text{"mp"}$

bow pos ord msp

vlc "mp" gliss. "mp" gliss.

[o] [i] [o] [i] [o] [i] [o] [i] [o] [i]

3:2

4 1 15

57

cl $\text{♩} = 60 \text{ accel...}$ $\text{♩} = 66$ $\text{♩} = 66 \text{ rit...}$ $\text{♩} = 63 \text{ accel...}$ $\text{♩} = 106.7$

pno "mp" "mp" "pp" "pp"

bow pos ord msp gliss.

vlc "pp" "pp" "mp" "pp" "pp"

[o] [i] [o] [i] [o] [i] [o] [i] [o] [i]

3:2 3:2 3:2 3:2 2:3 2:3 2:3

4 1 15

64

cl

pno

bow pos

ord

msp

vlc

4:3

4:3

4:3

4:3

4:3

4:3

2:3

2:3

2:3

2:3

2:3

2:3

15

mp

mp

pp

pp

p

pp

pp

gliss.

gliss.

69

cl

pno

bow pos

ord

msp

vlc

4:3

4:3

4:3

2:3

4:3

2:3

15

gliss.

gliss.

gliss.

gliss.

pp

p

73 $\text{♩} = 106.7 \text{ rit...}$

cl 4:3 *p* mf mf 2:3

pno 2:3 2:3 2:3 4:3 4:3 2:3 2:3 2:3 2:3

ord gliss. gliss.

msp gliss.

vlc gliss. mf mf gliss.

77 rit... $\text{♩} = 101.3$

cl 4:3 4:3 4:3 2:3 5:3 4:3

pno 2:3 4:3 5:3 2:3 5:3 4:3

ord gliss. gliss.

msp gliss. gliss.

vlc gliss. gliss.

p p mf mf mp

81 $\text{♩} = 101.3 \text{ accel...}$

cl (mp) (mp)

pno p mf mp mp

bow pos ord msp

vlc mp gliss.

85 $\text{♩} = 106.7 \text{ rit...}$ acc... rit...

cl

pno

bow pos ord msp

vlc gliss.

90

cl

pno

bow pos

vlc

rit...

2:3

15

ord

msp

gliss.

97

cl

pno

bow pos

vlc

2:3

4:3

4:3

4:3

2:3

4:3

5:3

gliss.

"p"

"p"

"mp"

"p"

"p"

gliss.

101 rit... ♩. = 101.3

cl

pno

ord
msp

vlc

gliss.

"mp" "mp"

gliss.

106 ♩. = 101.3 rit...

cl

pno

ord
msp

vlc

gliss.

"mp" "p"

"mp"

"p" "p"

110 $\text{♩} = 96.0$ $\text{♩} = 96.0$ accel... $\text{♩} = 106.7$ rit...

cl 4:3 p mp $mp < mf$ mf f

pno 2:3 4:3 4:3 4:3 4:3 4:3 p $mp < mf$ $mf < f$

bow pos ord msp gliss.

vlc $mp < mf$ $mf < f$ $f > mf$

115 rit... $\text{♩} = 101.3$ rit...

cl 4:3 5:3 4:3 2:3 $f > mf$ mf p p mf mf mp mp

pno 2:3 2:3 5:3 4:3 4:3 2:3 2:3 f mf mf p mf mp mp

bow pos ord msp gliss.

vlc mf p p mf mf mp

119 $\text{♩} = 96.0$ rit... $\text{♩} = 92.0$ accel... $\text{♩} = 101.3$ $\text{♩} = 101.3$ rit... $\text{♩} = 72$ rit... 7 $\text{♩} = 69$

cl
pno
ord
msp
vlc

129 $\text{♩} = 69$ accel... $\text{♩} = 72$ rit...

cl
pno
ord
msp
vlc

138 rit...

cl *p* *p* *mp* *mp* *mf*

pno *p* *p*

ord *p* *mp*

msp

vlc *p* *mp* *mp* *mf*

145 ♩ = 69 ♩ = 69 rit... ♩ = 63 accel... ♩ = 66 rit... ♩ = 63 rit... 8

cl *mf* *mp* *mp* *mp* *p*

pno *mp* *mf* *mf* *mp*

ord *mp* *p*

msp

vlc *mp* *p*

154 $\text{♩} = 60$ accel... $\text{♩} = 69$ rit...

cl $3:2$ p p mp $3:2$ $3:2$

pno 4 1 15 p p mp $3:2$ p p mp

bow ord msp

vlc p mp

159 rit... $\text{♩} = 63$ accel... 9 $\text{♩} = 69$ accel... $\text{♩} = 72$ rit... rit...

cl $3:2$ $3:2$ $3:2$ $3:2$ $3:2$ $3:2$ $3:2$

pno 4 1 15

bow ord msp

vlc

168 ♩ = 69

cl *f* *f*

pno *mf* *mf* *mp*

bow pos ord msp *mf* *mp*

vlc *mf* *mp*

3:2 3:2 3:2 3:2 3:2 3:2

gliss.

175 ♩ = 69 rit... rit...

cl *f* *mp* *mp* *f*

pno *f* *f*

bow pos ord msp *mp* *mf*

vlc *mp* *p* *p* *mp*

3:2 3:2 5:4 3:2 3:2 3:2

gliss.

179 $\text{♩} = 63$ accel... $\text{♩} = 66$ accel... $\text{♩} = 72$ accel... flatter tongue 5:4 acc...

cl $f > p$ $p < mp$ $mp < mf$ $mf < f$

pno f mp $mp < mf$ f

bow pos ord msp

vlc mf f f gliss.

184 $\text{♩} = 56.0$ rit... rit...

cl f mf $mf < p$

pno $p < mp$ $mp < mf$ $mf < f$ f

bow pos ord msp gliss. gliss. gliss.

vlc mf mf p p

187

cl

pno

bow pos

vlc

rit...

mf

p

mf > p

5:3

2:3

4:3

gliss.

ord

mss

189

cl

pno

bow pos

vlc

rit...

p

mf

mf > p

p < mf

mf > p

p

2:3

4:3

5:3

2:3

4:3

gliss.

ord

mss

192 $\text{♩} = 53.3$

cl

pno

bow pos

ord

msp

vlc

4

1

15

2:3

4:3

4:3

5:3

6/4

6/4

6/4

gliss.

gliss.

194 $\text{♩} = 53.3$ rit... $\text{♩} = 50.7$

cl

pno

bow pos

ord

msp

vlc

6/4

12/4

3/4

2:3

2:3

2:3

2:3

5:3

5:3

6/4

12/4

3/4

gliss.

mf

197 $\text{♩} = 50.7 \text{ accel...}$ $\text{♩} = 53.3$

cl $2:3$ $2:3$ $2:3$ $2:3$ $2:3$ $2:3$ $6/4$

pno 4 1 15 $2:3$ $4:3$ $2:3$ $2:3$ $6/4$

bow ord 5:3 $6/4$

pos msp gliss. $6/4$

vlc $6/4$ gliss. $6/4$

mf *mf*

200 $\text{♩} = 53.3 \text{ rit...}$ $\text{♩} = 50.7 \text{ rit...}$ $\text{♩} = 48.0 \text{ accel...}$ $\text{♩} = 53.3$ $\text{♩} = 53.3 \text{ accel...}$ $\text{♩} = 56.0$

cl $6/4$ $3/4$ $9/4$ $6/4$ $6/4$ $6/4$

pno 4 1 15 $2:3$ $4:3$ $2:3$ $4:3$ $2:3$ $4:3$ $2:3$ $6/4$

bow ord $6/4$

pos msp gliss. $6/4$

vlc $6/4$ $3/4$ $9/4$ gliss. $6/4$

ff

207

cl

pno

bow pos

vlc

f

ff

ff *ff*

210

cl

pno

bow pos

vlc

ff *ff* *mf*

ff *ff*

gliss. *gliss.*

$\text{♩} = 56.0 \text{ rit...}$

213 rit... $\text{♩} = 53.3$

cl

pno

bow pos

vlc

ord

mss

15

4

1

6/4

2:3

4:3

4:3

4:3

2:3

9/4

mf

gliss.

gliss.

216 $\text{♩} = 53.3$ accel... $\text{♩} = 56.0$ rit...

cl

pno

bow pos

vlc

ord

mss

15

4

1

9/4

2:3

4:3

4:3

4:3

4:3

4:3

2:3

4:3

4:3

2:3

5:3

gliss.

gliss.

gliss.

gliss.

ff

ff

mf

mf

219 rit...

cl

pno

bow pos

vlc

ord

msp

gliss.

ff

f

f

f

4:3

2:3

5:3

5:3

4:3

4:3

2:3

5:3

2:3

2:3

5:3

4

1

15

gliss.

gliss.

gliss.

ff ff

222 rit...

cl

pno

bow pos

vlc

ord

msp

gliss.

f

f

ff

ff

12/4

12/4

12/4

5:3

4:3

2:3

4:3

4:3

5:3

4

1

15

gliss.

gliss.

gliss.

f f

ff ff

224 rit... $\text{♩} = 53.3$

cl $\frac{12}{4}$ $\frac{9}{4}$ $\frac{12}{4}$

pno $\frac{12}{4}$ $\frac{9}{4}$ $\frac{12}{4}$

ord

msp

vlc $\frac{12}{4}$ $\frac{9}{4}$ $\frac{12}{4}$

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

f *f* *mp* *f*

gliss. gliss. gliss.

ff *ff* *f* *f*

226 $\text{♩} = 53.3$ rit... $\text{♩} = 72$ rit...

cl $\frac{12}{4}$ $\frac{9}{4}$ $\frac{6}{4}$ $\frac{3}{2}$

pno $\frac{12}{4}$ $\frac{9}{4}$ $\frac{6}{4}$ $\frac{3}{2}$

ord

msp

vlc $\frac{12}{4}$ $\frac{9}{4}$ $\frac{6}{4}$ $\frac{3}{2}$

f *f* *mf*

f *mf* *p* *mp*

gliss. gliss.

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

230 rit... ♩ = 69 rit...

cl *p* [o] [i] [o] [i] [o] [i] [o] [i] [o] [i] [o] [i] [o]

pno 4 1 15

bow pos ord msp

vlc

mf *p* *p*

239 rit... ♩ = 66 accel... ♩ = 69 accel... ♩ = 72 rit...

cl [i] [o] [i] [o] [i] [o] *mf* [o] [i] [o] [i] [o]

pno 4 1 15 *mp* *mf* *mf*

bow pos ord msp

vlc *mf* *mf*

249 rit... $\text{♩} = 69$ rit... $\text{♩} = 66$ rit... $\text{♩} = 63$ accel...

cl [i] [o] [i] [o] [i] [o] "f" 3:2 3:2 3:2 3:2 "f" [o] [i] [o]

pno 4 1 15 "mf" "f" "f" "mf" "p" "mf"

bow ord msp

vlc "f"

12 259 $\text{♩} = 66$ rit... $\text{♩} = 63$ accel... $\text{♩} = 66$ accel... $\text{♩} = 69$ rit...

cl 3:2 3:2 [i] "mf" "p" [o] [i] [o] [i] [o] [i] [o] [i] [o]

pno 4 1 15 ("mf")

bow ord msp 3:2 3:2

vlc "f" "mf" "mf" "p"

266 rit... ♩ = 66 rit...

cl *"p"* [i] [o] [i] [o] [i] [o] [i] [o] [i] [o] [i]

pno *"p"* *"p"*

bow pos ord msp

vlc *"p"*

275 ♩ = 63 rit... 13 $\frac{3}{2}$ ♩ = 60 accel... ♩ = 63 accel... ♩ = 66 rit... 14 $\frac{3}{2}$ ♩ = 60 accel... ♩ = 66

cl [o] [i] [o] [i]

pno *"p"*

bow pos ord msp

vlc *"p"*