

# ampèrian loops

## part I

for

bass flute  
half clarinet  
metal can  
piano  
violin  
viola  
cello  
8 solenoids

score

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*commissioned by MIMITABU  
with support from Swedish Arts Council*

dur: approx. 14 min

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## ABOUT THE PIECE

*ampèrian loops - part I* is written for seven instruments and eight solenoids.

A solenoid is an electromechanical device consisting of an inductive coil around a movable steel or iron slug. When the electromagnet is switched on, the slug goes out. The eight solenoids in this piece are attached to eight different objects (see below). Sounds are created when the solenoid slugs hits the objects. The solenoids are controlled with a computer via an Arduino (an open-source electronics prototyping platform).

A MIDI file in the computer is triggering the solenoids and the conductor has to follow a click track.

## SOLENOIDS

The solenoids are grouped in couples with a visual connection between their objects;

solenoid 1 and solenoid 5  
solenoid 2 and solenoid 6  
solenoid 3 and solenoid 7  
solenoid 4 and solenoid 8

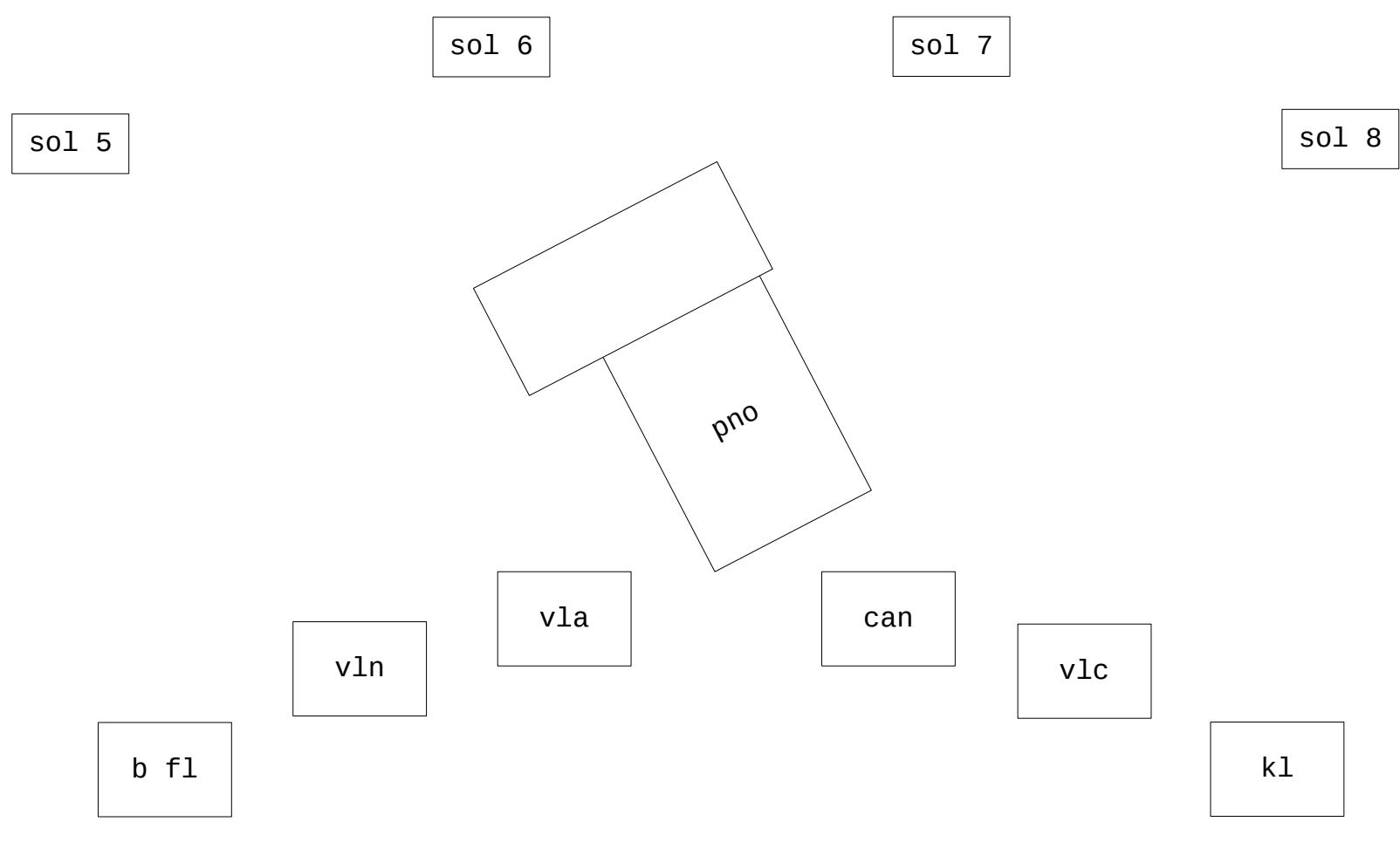
Solenoid 1-4 are placed in front of the ensemble, they have softer objects and should acoustically blend well with the softer dynamics of the ensemble.

Solenoid 5-8 are placed behind the ensemble, they have harder objects and should have a distinct sound (like strong accents of the soft solenoids).

Each solenoid has a LED attached which is synchronized with the solenoid hits (one hit=one light flash).

sol 1: metal plate (big)	sol 2: flower pot (plastic)	sol 3: box (cardboard)	sol 4: can (plastic)
sol 5: metal plate (small)	sol 6: flower pot (ceramic)	sol 7: box (wood)	sol 5: can (glass)

STAGING



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audience

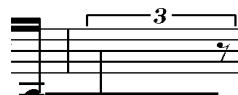
## INSTRUCTIONS

### general

dynamics are written in two different ways:

mp = sounding dynamic: mezzo piano. a great amount of action/power might be necessary to reach the written dynamic level.

"ff" = action dynamic: fortissimo. sounding result is probably much softer.



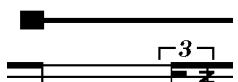
duration = sixteenth note + quarter note triplet



half tone flat, quarter tone flat, natural, quarter tone sharp, half tone sharp

### playing techniques

#### BASS FLUTE



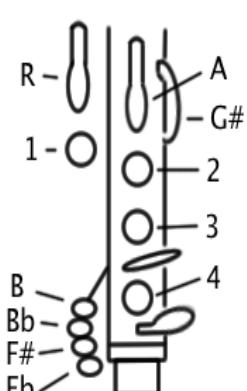
closed embouchure; cover embouchure hole completely with lips.



aeolian sounds; pitches mixed with much air sound. this is produced by placing the mouth further away from the embouchure than is usual. the pitches will be approx. a halftone sharper than usual.

the rest of the signs are explained as they appear.

#### HALF CLARINET



the upper half of the clarinet is used in this piece (mouthpiece, barrel and first joint). half clarinet is plugged in the end of first joint throughout the piece, by right hand finger or bottle cork. all tone holes are covered with fingers. a tablature notation (displayed to the left) shows which whole/key to open. when all holes of the half clarinet are closed it is not possible to blow through the instrument, when then one hole/key opens the air stream exits through only that hole/key. start and end each airstream very abruptly, by open and closing the hole/key.

the rest of the signs are explained as they appear.



#### METAL CAN

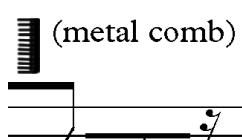
approx. measures: height 20 cm, diameter 12 cm

tools:

metal comb

threaded rod (length: 1 m)

the player should be sitting and have the can placed up-side-down on a small table in front of him/her. the can should have a small edge at the bottom side. the can is used both as an instrument on which the musician plays, and like a sound box which amplifies sounds.



pull comb on edge of can, soft guero sound. (use finer side of comb ribs)  
approx. 45°-60° angle of comb.



play with finger on can bottom. very strong accent. press down finger after hitting to make a small gliss.

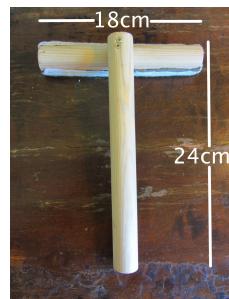


hit edge of can with backside of comb. very strong accent. hit and stay with comb on edge, a high pitched sound should resonate until you remove comb. approx. 45°-60° angle of comb.



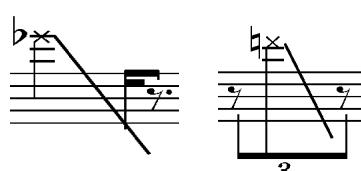
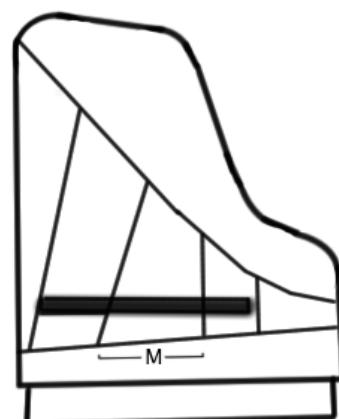
when using the threaded rod: place the upper part on your left shoulder and the lower part on the can bottom.

the rest of the signs are explained as they appear.



## PIANO

*handheld damper*



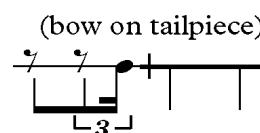
toneless gliss. (black keys, white keys); movie fingers (sometimes plastic card) over the keys without pressing them down. Sounding result should be a soft guero sound.

the rest of the signs are explained as they appear.

## STRINGS



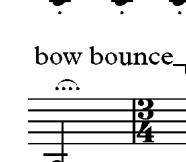
damp string by touching it gently without pressing it. one finger touching the string on written pitch and at least two other fingers damping behind it.



find a low, unstable pitch.



bow bounce; let the tip of the bow bounce on the string to create soft bounce sounds. do not move the bow horizontally.



drop the bow to make several short bounces. the bounces should last the full written duration.

the rest of the signs are explained as they appear.

Ampèrian loops  
part I

Johan Svensson

**3** **4** ♩ = 72 (closed embouchure)

Bass Flute (air sound) (key clicks) (tongue ram) (stop bow movement abruptly)

Violin (bow on tailpiece)

Viola damp bow bounce

Piano INSIDE PIANO (tuning pegs) finger nails (move finger nails over tuning pegs in circular motion)

INSIDE PIANO palm (rub strings in a circular motion with palm)

Metal can (pull on edge of can, soft guero sound) (metal comb) (finger) (f) pp f pp 5 pp f"

Cello damp bow bounce (air sound with small amount of low pitch) (open 4th finger) (close 4th finger) sempre simile (right hand) (left hand) ppp

Half clarinet (mouthpiece, barrel and first joint) (\*\*\*)

**4** **8** ♩ = 120

B. Fl. (open) mf pp

Vln. damp legno (tratto) (battuto) mf p

Vla. III (stop movement abruptly) mp

Pno. ON KEYS (scratch string with plastic card) (stop bow movement abruptly) toneless pizz. ff INSIDE PIANO finger nails (palm) f

Can (stop comb movement abruptly) (finger) f pp (damp bow bounce)

Vc. (stop bow movement abruptly) (breath in) ff mf pp (A key)

Cl. 3 ff 4 (stop bow movement abruptly) (A key) ppp

\*) hit strings with left hand to make a percussive sound

\*\*) half clarinet is plugged in the end of first joint throughout the piece, by right hand finger or bottle cork. all tone holes covered with fingers, tablature shows which hole/key to open.

10

B. Fl.

Vln.

Vla.

pno

Can

Vc.

Cl.

*damp legno*

*(tratto) 5 (battuto)*

*INSIDE PIANO HANDHELD DAMPER* (damp strings with handheld damper)

*ON KEYS*

*f*

*INSIDE PIANO*

*pp*

*f pp*

*6f pp*

*f pp*

*f pp*

*damp bow bounce*

*damp bow bounce*

*damp bow bounce*

*mf*

*pp*

*mf*

*pp*

*mf*

*pp*

*(flz.)*

**B. Fl.** 20 **4** **4** ♩ = 72 **3** **4** 3

**Vln.** (8) **p**

**Vla.** damp legno **5** **pp** **mp** **pp** **pp**

**Pno.** Sostenuto. **pp**

**Can.** (finger) **pp** **f** **pp** **pp** **pp** damp **5** **pp**

**Vc.** **mf** **pp** **mf** **pp** damp bow bounce **pp** damp bow bounce **pp**

**Cl.** **ppp** **tr** **4** **(\*)** **3** **f**

Musical score page 23, measures 1-8. The score includes parts for Bassoon (B. Fl.), Violin (Vln.), Cello (Vla.), Piano (Pno.), Clarinet (Cl.), and Trombone (Can.). The key signature is B-flat major (two flats), and the time signature is common time (indicated by '4'). The tempo is marked as  $\text{♩} = 63$ . The bassoon part consists of sustained notes with grace notes and dynamic markings like  $<\text{ppp}$ . The violin part features eighth-note patterns with dynamics  $\text{8va}$  and  $\text{ppp}$ . The cello part has sustained notes with grace notes. The piano part includes a dynamic  $p$  and sixteenth-note patterns. The clarinet part features rhythmic patterns with dynamics "ff", "pp", and "damp". The trombone part includes dynamic markings like  $\text{ff}$ ,  $\text{pp}$ , and  $\text{damp}$ .

**4** **3** **2** **3** **3**  
**4** **4** **4** **8**

28 (aeolian sounds)

B. Fl.  $\text{pp}$

Vln. damp legno.

Vla. bow pos. bridge nut II, III \*)

Pno. "f"

INSIDE PIANO gliss. on strings with finger (mid register)  $\text{pp}$

Can. "ff"  $\text{pp}$  "ff" (scratches with plastic card) (scratches with threaded rod over threads)  $\text{ff}$   $\text{p}$

Vc. damp legno bow bounce bow pos. bridge nut II, III \*)  $\text{f}$   $\text{pp}$   $\text{f}$   $\text{pp}$   $\text{f}$   $\text{pp}$   $\text{f}$   $\text{pp}$   $\text{f}$   $\text{pp}$

Cl.  $\text{f}$   $\text{pp}$   $\text{f}$   $\text{pp}$   $\text{f}$   $\text{pp}$   $\text{f}$   $\text{pp}$   $\text{f}$   $\text{pp}$

**A**

**3** **8**  $\text{j} = 120$  **4** **8** **3** **8**

B. Fl. (slap)  $\text{mf}$

Vln. damp flaut. III  $\text{mp}$

Vla. damp legno III  $\text{p}$

Pno. "f"  $\text{ff}$   $\text{f}$   $\text{ff}$  (scratches in thread direction, like a string player playing with bow, to get a high, squeaking sound)  $\text{f}$   $\text{ff}$

Can.  $\text{f}$   $\text{p}$

Vc. damp bow bounce  $\text{p}$   $\text{mf}$   $\text{p}$

Cl.  $\text{p}$   $\text{ff}$   $\text{p}$

\*) move bow from ord. pos. all the way to the dampening hand. do not play in the ordinary direction with the bow.

38

**3 8** **4 4** **5 4** **7 16** **3 8** **4 8**

(open embouchure air sound, senza flz.)

B. Fl. *ppp*

Vln. *ppp sub.*

Vla. (bow on tailpiece) *p*

Pno. finger nails *f*

Can (slow circular movements with rod on can) rod *ppp*

Vc. damp bow bounce.

Cl. *ppp*

5

**5 16** **5 8** **2 4** **4 8** **2 4**

B. Fl. *mf* *p* *mf* *p*

Vln. III *mp* *p* III

Vla. *mp* *p* (battuto) *mf* *p*

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

Can *f* *p* *f* *p* damp bow bounce.

Vc. *mf* *p* *mf* *p* *ff* *p* *ff* *p*

Cl. *ff* *p* *ff* *p* *ff* *p*

2 4      1 4      3 8      4 8      4 4      3 4      3 8

6 51 (pitch) *pppp*

B. Fl.

Vln.

Vla.

Pno.

INSIDE PIANO finger nails

Can

Vc.

Cl.

*damp legno*  
*bow pos. bridge nut II, III*

*palm* *f* *f*

*rod* *ppp*

*p*

*ppp*

3 8      2 8      5 16      3 8      7 16      2 4      4 8

57 *p* damp flaut.

B. Fl.

Vln.

Vla.

pno

ON KEYS *f* *ff* *f* *ff* *f* *ff* *f* *ff*

Can

Vc.

Cl.

*damp legno III* *mp* *p* *mp* *p* *ff* *p* *ff* *p* *ff*

*damp bow bounce* *ff* *p* *ff* *p* *ff* *p* *ff*

**4**  
**8**      **3**  
**8**      **5**  
**8**      **3**  
**B**  
**4**       $\text{♩} = 78$

7

B. Fl.      Vln.      Vla.      Pno.      Can.      Vc.      Cl.

f      mp      pp      damp flaut.      damp legno      IV      p      bow pos. bridge nut II, III      "f"

mf      "ff"      f      damp legno      bow pos. bridge nut II, III      "f" (air sound)      ff      ff

**2**  
**4**      **4**  
**3**  
**4**

$\text{♩} = 63$

B. Fl.      Vln.      Vla.      Pno.      Can.      Vc.      Cl.

p      pp      p      mp      <ppp>      >ppp>      p

8va      bow pos. bridge nut      IV 3      IV 3      damp flaut.

3      3      3      3      3      3      3      3      3      3      3      3      3

ppp      z      z      z      z      z      z      z      z      z      z      z      z

8va      f      f      f      f      f      f      f      f      f      f      f      f

INSIDE PIANO HANDHELD DAMPER      (finger)      Sostenuto      ON KEYS

p      p      pp      pp

damp      II, III (gliss. from highest possible position)

bow pos. bridge nut      bow pos. bridge nut      damp

ff      pp      ff      ff

f      f      pp      <ppp>      >ppp>      <ppp>      >

5      5      5      5      5      5      5      5      5      5      5      5      5

4

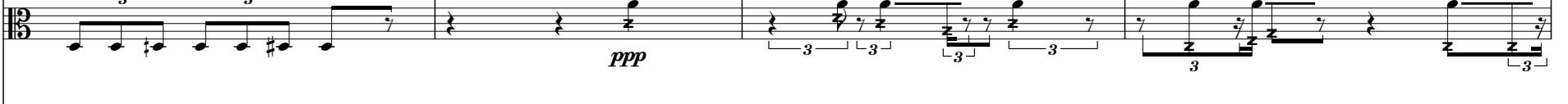
8

74

B. Fl. 

Vln. 

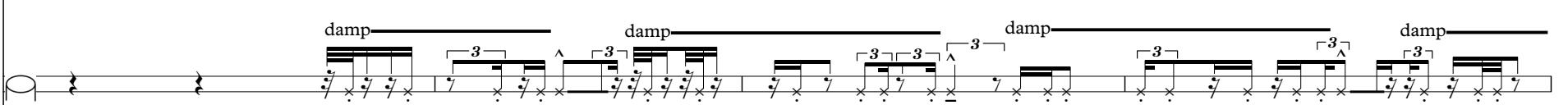
I sul pont

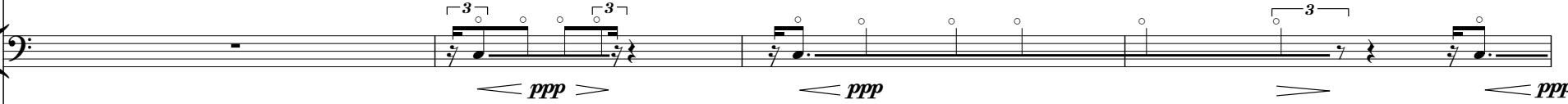
Vla. 

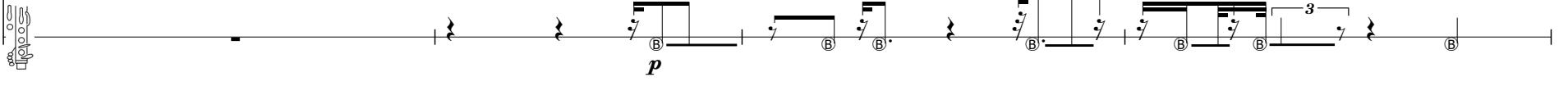
Pno. 

Sostenuto

pp

Can. 

Vc. 

Cl. 

3

2

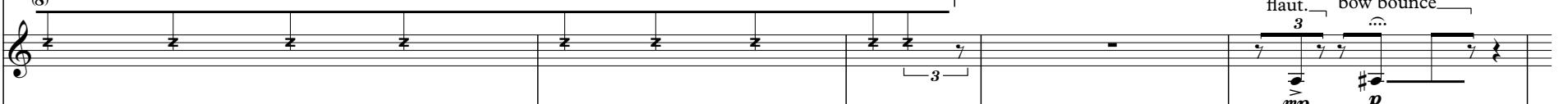
7

4

3

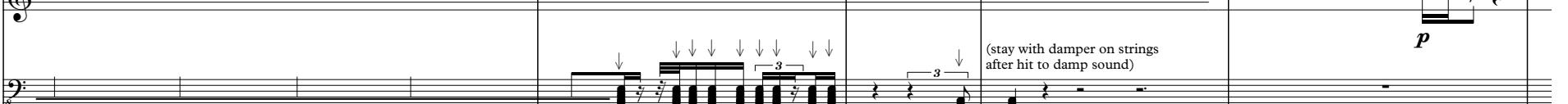
78

B. Fl. 

Vln. 

(8)

Vla. 

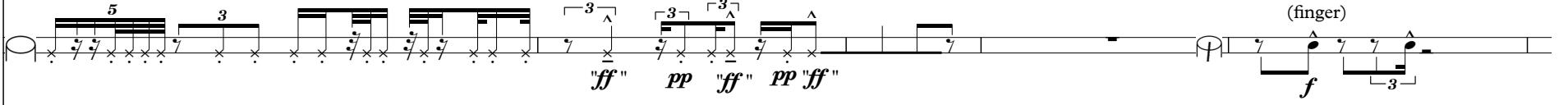
Pno. 

INSIDE PIANO HANDHELD DAMPER

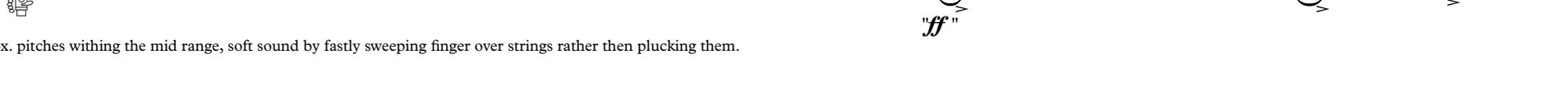
(stay with damper on strings after hit to damp sound)

INSIDE PIANO (mid register) (pizz. with finger)

Cl. 

Can. 

Vc. 

Cl. 

damp-flaut. bow bounce

damp-legno

(stay with damper on strings after hit to damp sound, sempre)

(fing.)

(tap/hammer on) II

(air sound)

(breath out) 3

\* approx. pitches within the mid range, soft sound by fastly sweeping finger over strings rather then plucking them.



4

2  
4

10

B. Fl.

Vln.

Vla.

pno

(pull on edge of can)  
("down bow") ("up bow")

Can

Vc.

Cl.

2  
43  
44  
4

accel.

94

B. Fl.

Vln.

Vla.

pno

bow bounce

Can

Vc.

Cl.

3  
4

Musical score page 100. The score includes parts for Bassoon (B. Fl.), Violin (Vln.), Cello (Vla.), Piano (pno), Clarinet (Can.), and Trombone (Trom.). The piano part features complex rhythmic patterns with grace notes and dynamic markings like *pp*. The bassoon and violin parts have sixteenth-note patterns with triplet markings (3). The cello part includes sustained notes with 'damp legno' instructions. The clarinet part features slurs and grace notes. The tempo is marked as 100.

4

12 104

B. Fl. *mf*

Vln. (pizz.) *mf* sul pont arco

Vla. damp legno sul pont arco

pno *pp* *f*

Can rod *p* *pp* rod *p* rod *p* rod *p*

Vc. bow bounce *mf* bow bounce *p*

Cl. (breath out) *ff*

3 4 D  
4 4

109

B. Fl. *mf*

Vln. pizz. *mf* arco damp II, III

Vla. damp legno II, III damp legno bow pos. bridge nut

pno *pp* *f*

Can (pull on edge of can)

Vc. *mf* II, III damp *pp*

Cl. *f* *pp*

113

B. Fl.

Vln.

Vla.

pno

Can

Vc.

Cl.

4

3  
4

14

**120**

B. Fl. *ppp*

Vln.

Vla.

Pno. *p* plastic card (on white keys) *p* (plastic card)

Can *pp*

Vc. damp legno IV damp legno IV damp legno IV damp legno IV damp legno IV

Cl. *pp*

**124**

B. Fl. *mf*

Vln. *p* damp flaut. III 3 *p* IV sul pont. *pppp* <> <>

Vla. *mp* damp legno *p* bow pos. bridge nut *f* *pppp* <> <>

Pno. INSIDE PIANO *p* ON KEYS *p* 6 INSIDE PIANO *f*

Can (finger) *f* (pull on edge of can) *pp* rod *pp* rod *p* rod sim. *pp*

Vc. I sul pont. *pp* II *pppp sub.* <> III damp legno *p*

Cl. *pp* (pitch) *ff* *pp* 5 *pp* 5 *pp* 5

**4** **2** **4** **4** **2** **4**

**129**

B. Fl.  $\text{pp}$

Vln.  $p$

Vla.  $p$

pno (plastic card)  
(white keys)  $p$

Can rod

Vc. IV III IV damp legno  $p$  IV 5 damp legno damp legno damp legno

Cl. 5 5 5 5

**2** **4** **3** **4** **2** **4** **5** **4** **3** **4**

**133**

B. Fl.  $mf$

Vln.  $mp$

Vla.  $mp$

Pno.  $p$

Can V rod sim.  $pp$

Vc. pp damp legno damp legno damp legno pp 5 5 5 5

Cl. 5 5 5 5

**3****4**

**138**

B. Fl.  $\frac{3}{4}$   $\frac{4}{4}$

Vln. sul pont.  $\frac{4}{4}$

Vla. sul pont.  $\frac{4}{4}$

pno  $\frac{4}{4}$

Can. rod sim.  $\frac{4}{4}$

Vc. sul pont.  $\frac{4}{4}$

Cl.  $\frac{4}{4}$

**142**

B. Fl.  $\frac{9}{8}$   $\frac{9}{8}$   $\frac{9}{8}$   $\frac{5}{4}$   $\frac{5}{4}$

Vln. II, III damp.  $\frac{4}{4}$

Vla. damp legno.  $\frac{4}{4}$

pno  $\frac{4}{4}$

Can.  $\frac{4}{4}$

Vc. II, III damp.  $\frac{4}{4}$

Cl.  $\frac{5}{4}$   $\frac{5}{4}$   $\frac{5}{4}$   $\frac{5}{4}$   $\frac{5}{4}$

ON KEYS

(finger) rod

(pitch)

**3**  
**4**  
**145**  
 B. Fl.   
 Vln.  
 Vla.  
 Pno.  
 Can  
 Vc.  
 Cl.   
damp legno  
pp  
● (coloring effect)  
pp

**E**  
**4**  
**♩ = 68**  
**149**  
 B. Fl.   
 Vln.   
damp flaut.  
arco  
p  
 Vla.   
damp legno  
p  
 Pno.   
(white keys)  
(plastic card)  
p  
pp  
hit damper handle  
against wooden case or  
metal frame inside piano  
f  
p  
pp  
 Can   
(finger)  
p  
sim.  
II  
behind bridge  
p  
mp  
behind bridge  
p  
mp  
f  
p  
(finger) \*  
FREEZE  
p  
pp  
 Vc.   
I  
behind bridge  
p  
mp  
sim.  
II  
behind bridge  
p  
mp  
f  
p  
(finger) \*  
FREEZE  
p  
pp  
\*  
FREEZE  
p  
mp  
\*  
FREEZE  
p  
3  
mp  
 Cl.   
pp  
mp  
pp  
mp  
ff"  
pp  
mp  
\*  
FREEZE  
p  
\*  
FREEZE  
p  
3  
mp

\* freeze suddenly and do not move at all during the whole duration

3  
4

18

52

152

B. Fl.

Vln.

Vla.

Pno.

Can.

Vc.

Cl.

*damp flaut.*

*damp legno*

*sim.*

*behind bridge*

*behind bridge*

*"ff"*

4  
4

55

B. H.

159

B. Fl. FREEZE  $\overbrace{\text{3}}^{\text{5}}$   $\overbrace{\text{3}}^{\text{5}}$

Vln. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Vla. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Pno. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Can. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Vc. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Cl. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

**INSIDE PIANO (gliss with finger)**

**rod**  $\circlearrowright$

damp flaut. II, III

damp legno II, III

damp

behind bridge

II, III

"f"

162

B. Fl. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Vln. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Vla. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

pno. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Can. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Vc. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

Cl. FREEZE  $\overbrace{\text{3}}^{\text{3}}$   $\overbrace{\text{3}}^{\text{3}}$

ON KEYS

damp flaut. II, III

damp legno II, III

behind bridge

(finger)

"ff"

Musical score for orchestra and piano, page 20, measures 165-170.

**B. Fl.** Dynamics:  $f$ ,  $p$ . Articulation: 3. Performance instruction: damp flaut.

**Vln.** Dynamics:  $p$ . Articulation: 3. Performance instruction: damp legno.

**Vla.** Dynamics:  $f$ ,  $p$ . Articulation: 3.

**Pno.** Dynamics:  $pp$ ,  $f$ ,  $pp$ . Articulation: 3.

**Can.** Dynamics:  $f$ ,  $p$ . Articulation: 3.

**Vc.** Dynamics:  $f$ ,  $mp$ ,  $p$ ,  $f$ ,  $p$ ,  $mp$ . Articulation: 3. Performance instruction: behind bridge.

**Cl.** Dynamics: "ff",  $mp$ ,  $pp$ ,  $ff$ ,  $pp$ ,  $mp$ ,  $6$ . Articulation: 3. Performance instruction: (A) B, (B), (B), (B), (B), (B).

4  
4

**B. Fl.** 169

Vln.

Vla.

Pno.

Can

Vc.

Cl.

INSIDE PIANO

ON KEYS

rod

(finger)

damp

II, III

f'

ff'

p

f

pp

p

mp

f

p

3

damp flaut.

damp flaut.

damp legno

II, III

damp

p

f

p

3

ON KEYS

p

f

pp

p

f

p

3

(finger)

f

p

3

damp

II, III

p

f

mp

p

3

behind bridge

V

5

5

f''

ff''

mp

3

p

mp

3

●

5

②

③

mp

3

p

**4** **4**

172 FREEZE FREEZE **5** **4**

B. Fl. *p* damp flaut.

Vln. *p* damp flaut.

Vla. *p* damp legno *p* FREEZE FREEZE

Pno. *pp* *p*

Can. *p* FREEZE FREEZE

Vc. *mp* *mp* *p* behind bridge. *mp* *p* behind bridge

Cl. *mp* *mp* *pp* *mp* *pp* *mp* *pp*

**3** **4**

21

**4** **4 F**

175 **3** **4**

B. Fl. *f* *p* *f* *mp* *p* damp flaut. II, III damp *f* *p* 6

Vln. *mf* *p* *mp* *pp* damp legno II, III damp *p* *mf* *p* damp legno

Vla. *f* *p* *pp* II, III damp *f* *p* *pp* II, III damp *f* *p* 6

Pno. INSIDE PIANO ON KEYS

Can. *f* *p* rod (finger) *f* *p* rod (finger) *f* *p* 6

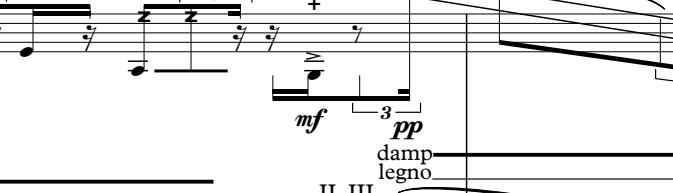
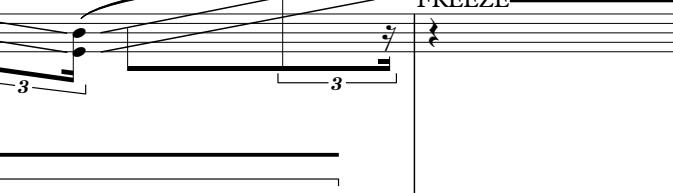
Vc. *f* *mp* *f* *p* II, III damp *f* *mp* *f* *mp* II, III damp *f* *mp*

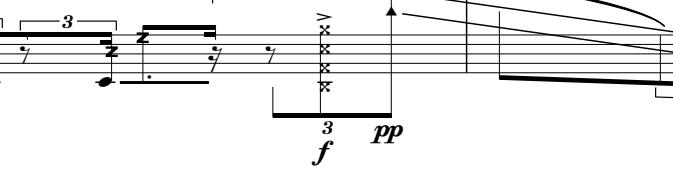
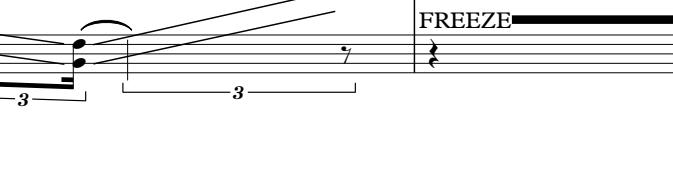
Cl. *ff* *pp* *f* *p* *f* *mp* *ff* *mp*

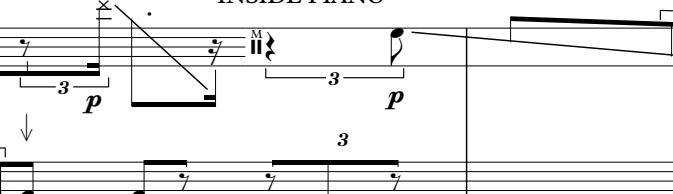
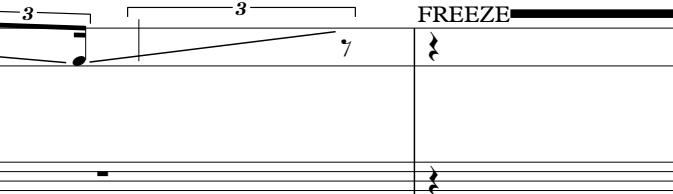
2  
4

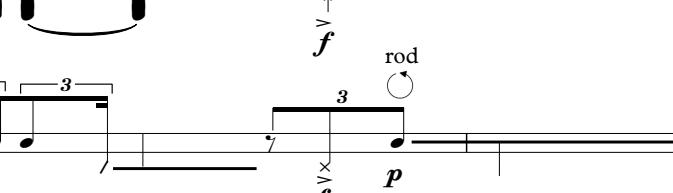
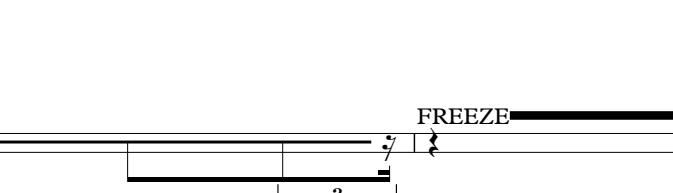
3  
4

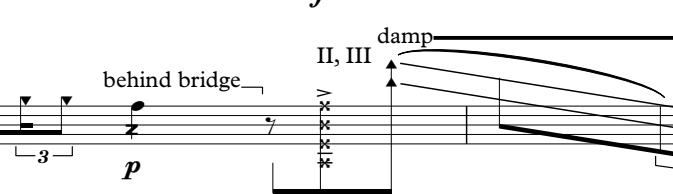
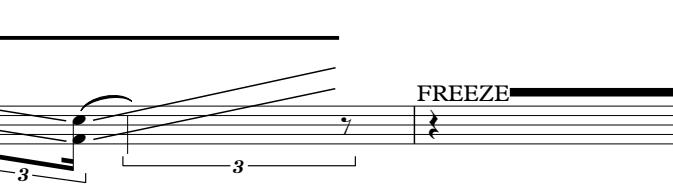
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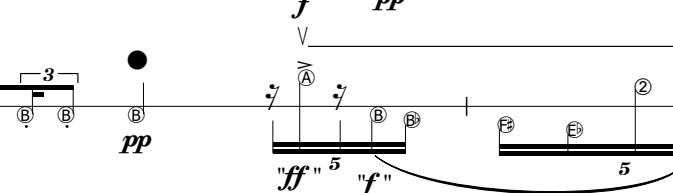
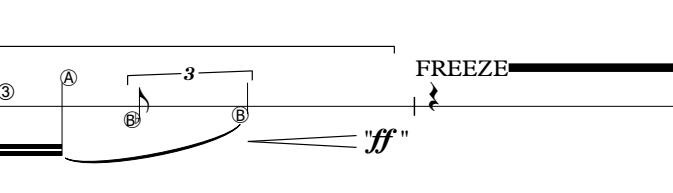
**B. Fl.** 178  

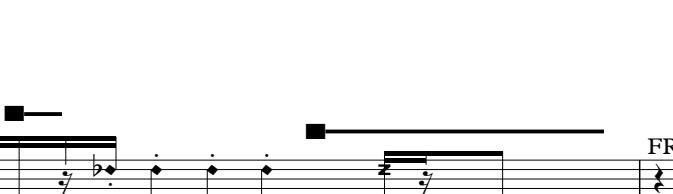
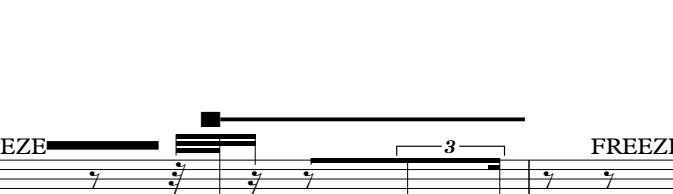
**Vln.**  

**Vla.**  

**Pno.** INSIDE PIANO  

**Can.**  

**Vc.** behind bridge  

**Cl.**  

3  
4

**B. Fl.**

**Vln.**

**Vla.**

**Pno.**

**Can**

**Vc.**

**Cl.**

181

B. Fl. *f* damp flaut. *p* *f* FREEZE *f* 3 *f* FREEZE *f*

Vln. + 3 + *p* *mf* damp legno + *mf* FREEZE + 3 + *mf* FREEZE + *mf*

Vla. 3 3 *f* *p* *f* FREEZE *f* 3 *f* FREEZE *f*

Pno. ON KEYS *p* 3 *f* *pp* *f* FREEZE FREEZE

Can 3 *f* *p* *f* FREEZE *f* 3 *f* FREEZE *f*

Vc. behind bridge 3 *mp* *p* *f* FREEZE *f* 3 *f* FREEZE *f*

Cl. *ff* *mp* *pp* 3 *ff* FREEZE *ff* 3 *ff* FREEZE *ff*

2      1      3  
4      4

23

184

B. Fl. FREEZE *f*

Vln. + FREEZE *mf*

Vla. FREEZE *f*

Pno. FREEZE *pp*

Can. FREEZE *f*

Vc. FREEZE *f*

Cl. FREEZE *ff*

**FREEZE**

**3 rit.**      4

188

B. Fl. *f* *p* *f*

Vln. + *p* damp flaut. pizz. *mf*

Vla. *f* *p* *f*

Pno. *f* *pp* *f*

Can. *f* *p* *f*

Vc. *f* *mp* *f*

Cl. *ff* *mp*

**FREEZE**

24

**192**

**5** **4** **3** **4**  $\text{♩} = 50$  **4** **4**

Pno.

Can

Vc.

Cl.

**197**

**5** **4** **G**  $\text{♩} = 72$  **4** **4**

B. Fl.

Vln.

Vla.

Pno.

Can

Vc.

Cl.

4

4

3

4

4

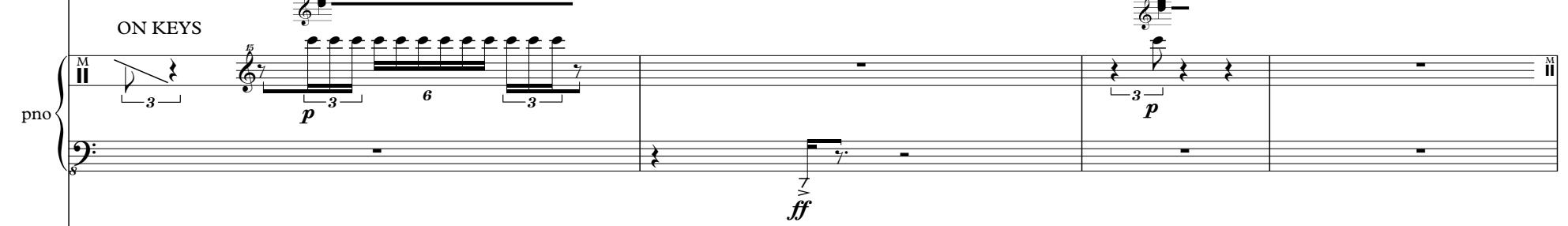
25

200

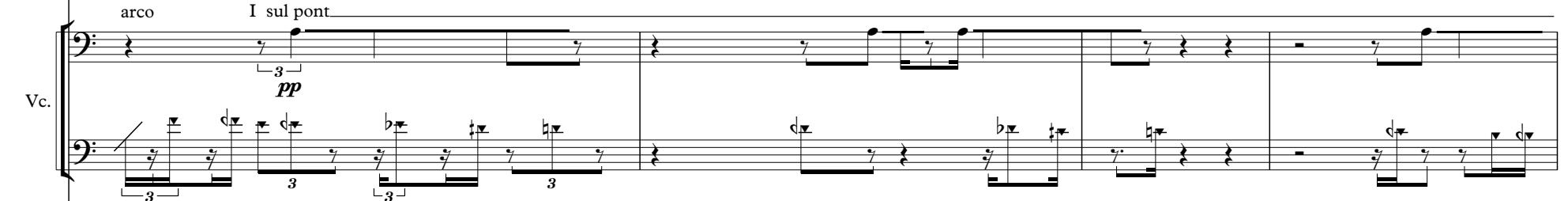
B. Fl. 

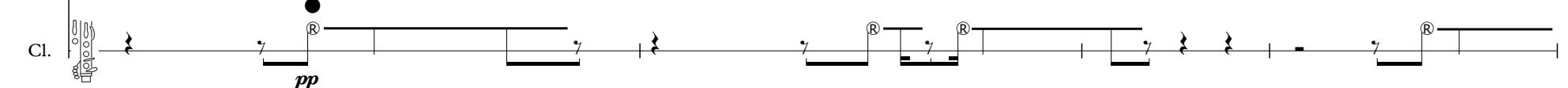
Vln. 

Vla. 

pno 

Can. 

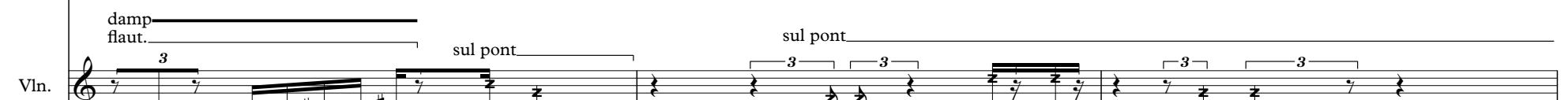
Vc. 

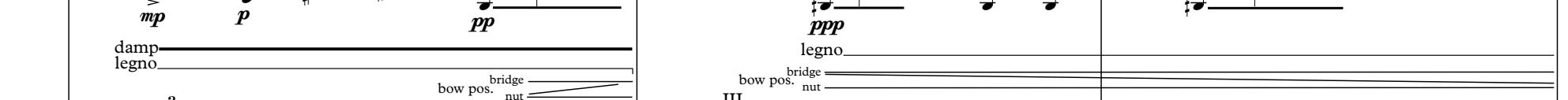
Cl. 

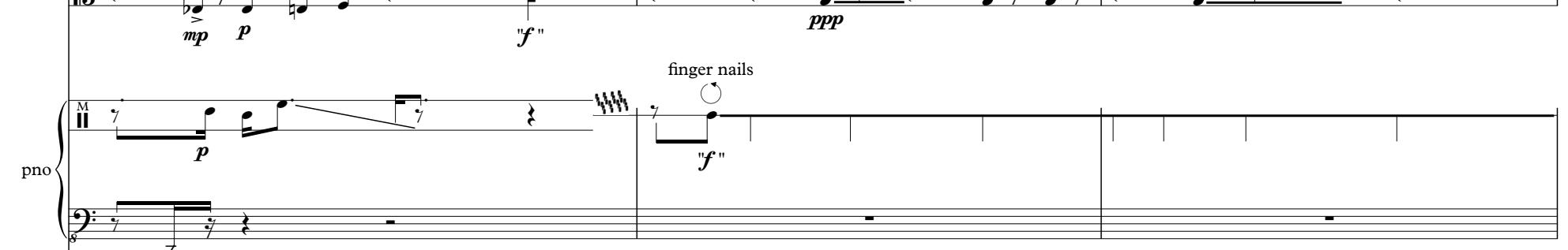
**==**

204

B. Fl. 

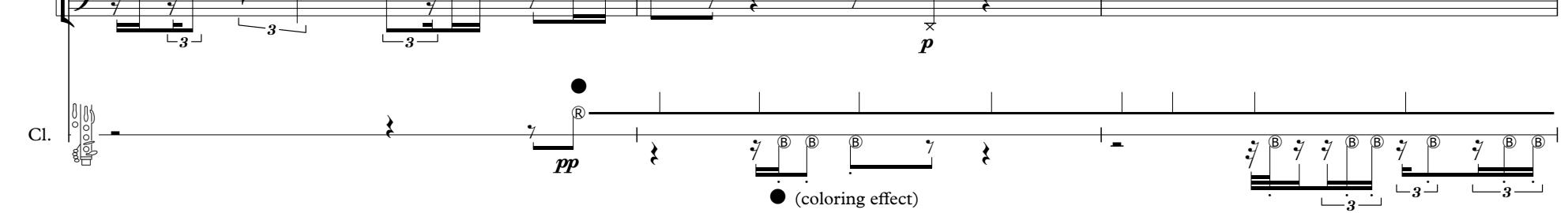
Vln. 

Vla. 

pno 

Can. 

Vc. 

Cl. 

26

207

**3 8** **4 8** **2 8** **4 4**

B. Fl. *p* *f* damp flaut.

Vln. *p* *mp* ord. pos. damp legno

Vla. *p* (finger, black keys) *f* finger nails

pno (not damp!) bow bounce *ff* *ff* *ff* *ff*

Can *p* *mp*

Vc. *p* *mf* *p* damp legno

Cl. *pp* *low* *ff* *pp*

**4 4** *j = 72*

212 *sul pont.* *ppp* *pppp*

Vln. *ppp* legno bow pos. bridge nut *ord. pos.* arco sul pont. *pppp*

Vla. *ppp*

pno

Can *p*

Vc. *p* damp legno *sul pont.* *pppp*

Cl. *pp*

3  
42  
4

215 27

B. Fl.

Vln. *ppp* legno  
bow pos. brdg  
nut

Vla. *ppp*

pno

Can *p*

Vc. *damp* legno sul pont *damp* legno  
*p* *pppp* *p*

Cl. *pp*

1

3

4 H

2

220 10

B. Fl. *mp* II, III damp

Vln. *pp*

Vla. *pp*

pno *p*

Can *mp* behind bridge

Vc. II, III damp *pp* *f* II, III damp  
*p* *pp* *mp* *pp* *pp* *mp* *pp*

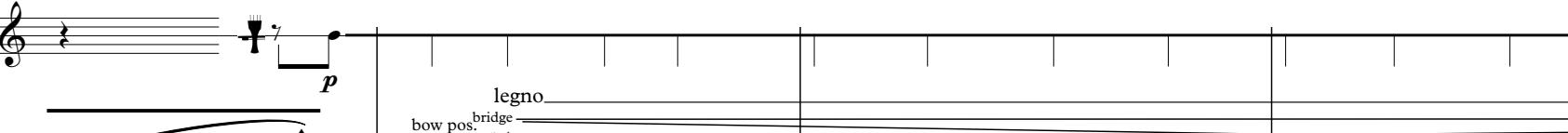
Cl. "f" *f*

2  
4

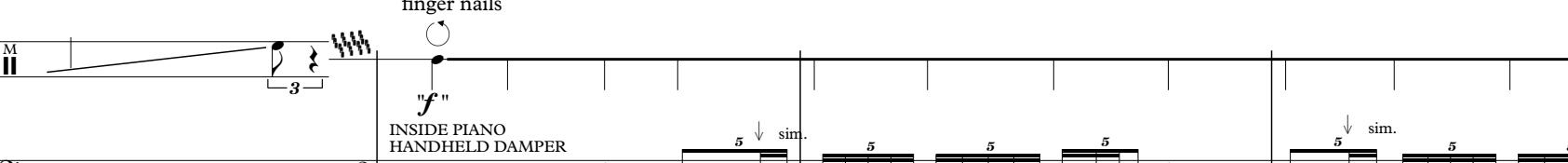
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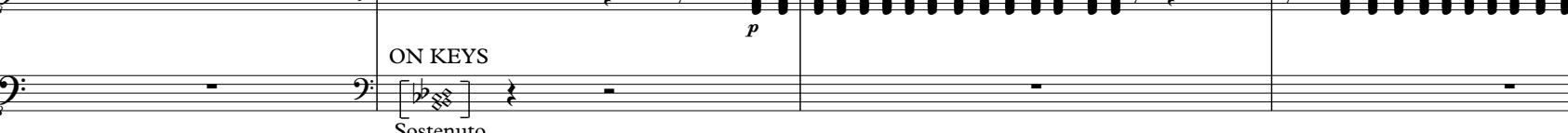
28 225

B. Fl. 

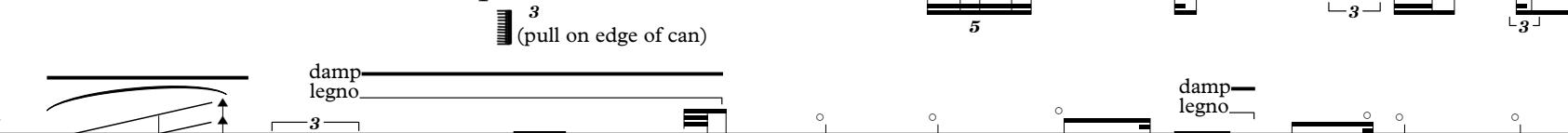
Vln. 

Vla. 

pno 

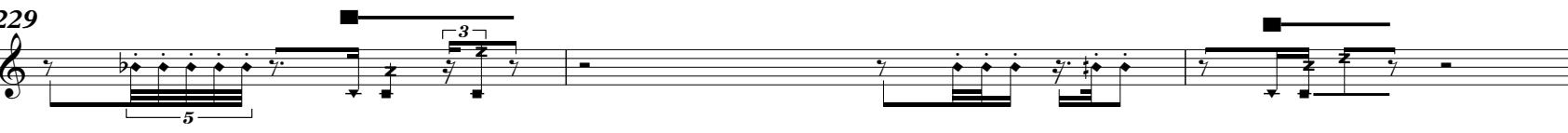
Can 

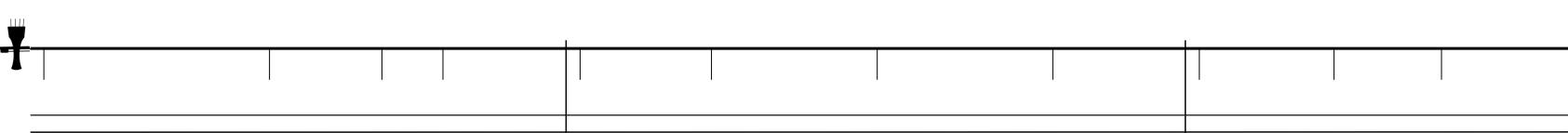
Vc. 

Cl. 

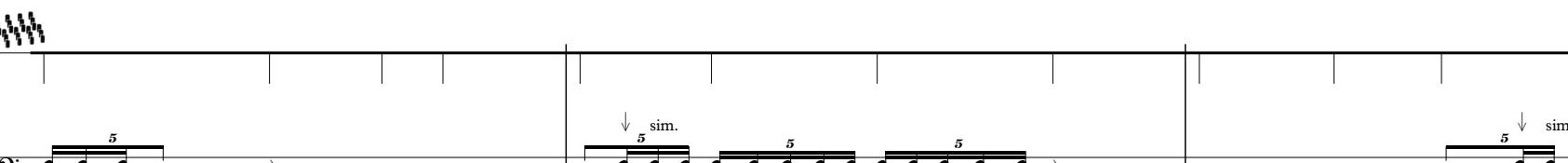
**==**

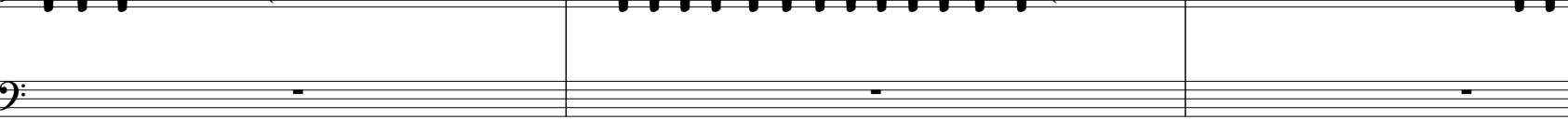
229

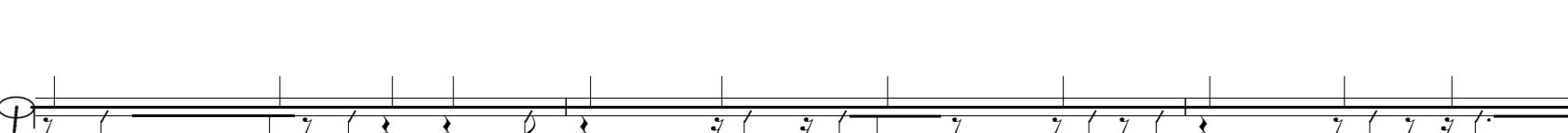
B. Fl. 

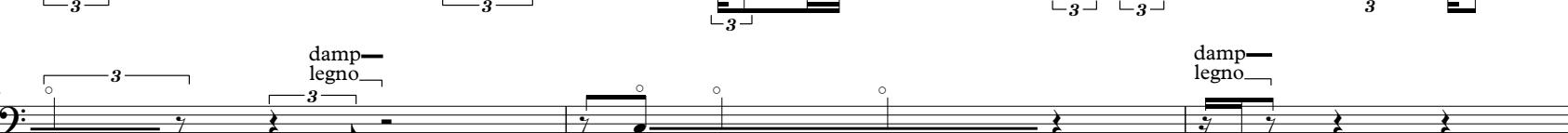
Vln. 

Vla. 

pno 

Can 

Vc. 

Cl. 

232

B. Fl.

(pitch)

*ppp*

*ppp*

*p*

Vln.

Vla.

pno

Can

Vc.

Cl.

*pp*

*damp legno*

*p*

*ppp*

*ppp*

*p*

3  
4

4

235

B. Fl.

Vln.

Vla.

pno

Can

Vc.

Cl.

**B. Fl.**  
5 8      3 4      4 4      5 8

**242**

**B. Fl.**: *p*  
**Vln.**: *mp*, *p*, **FREEZE**, *sul pont.*, **FREEZE**  
**Vla.**: *mp*, *p*, **FREEZE**, *legno*, **FREEZE**  
**Pno.**: *ff*, *p*, **FREEZE**, *f*, **FREEZE**  
**Can.**: *f*, *p*, **FREEZE**, *p*, **FREEZE**  
**Vc.**: *p*, **bow bounce**, **FREEZE**, *p*, **bow bounce**, **FREEZE**  
**Ci.**: *ff*, *low*, **FREEZE**, *pp*, **FREEZE**

**5**  
**8**      **4**  
**246**

**Vln.** *sul pont*  
**Vla.** damp legno 3  
**Pno.** legno  
*ff*      *f*  
**Cl.** *pp*

**5**  
**4**  
**4x**

**2**  
**4**

**2**  
**4**      **3**  
**250** FREEZE

**B. Fl.**  
**Vln.**  
**Vla.**

**Pno.**  
**Cl.**

**4**  
**4** **K**  
*J = 72*  
*10*  
*5*  
*mp*  
II, III damp  
*pp*  
II, III damp  
*pp*  
*p*  
*p*  
FREEZE

**Can.**  
**Vcl.**  
**Cl.**

32

255

B. Fl. 9

Vln. 3 p

Vla. legno  
bow pos. bridge nut

pno 3 ppp

ON KEYS Sostenuto

Can rod 3 ppp (finger) f

Vc. 3 ppp mp 3 II

Cl. low 3 "ff" pp

3  
4

5  
4

4  
4

258

B. Fl. 5 5 5

Vln. sul pont. 3 p

Vla. bow pos. bridge nut 3 f

pno 3 p Sostenuto

Can rod 3 pp finger nails 3 f

Vc. I sul pont. 3 pp II 3 mp 3 5 3 pp

Cl. 3 pp 3 4 3 ppp

Musical score for orchestra and piano, page 261.

Measure 261:

- B. Fl.**: Rests throughout.
- Vln.**: Rests throughout.
- Vla.**: Rests throughout.
- pno**: 5-note chords at  $\downarrow$  sim.  $\text{pp}$ , followed by 5-note chords at  $\downarrow$  sim.  $\text{p}$ .
- Can.**: Slurs and rests.
- Vc.**: Slurs and rests, dynamic  $p$ .
- Cl.**: Slurs and rests, dynamic  $p$ .

Measure 262:

- B. Fl.**: Rests throughout.
- Vln.**: Rests throughout.
- Vla.**: Rests throughout.
- pno**: Rests throughout.
- Can.**: Slurs and rests.
- Vc.**: Slurs and rests.
- Cl.**: Slurs and rests, dynamic  $p$ .

Measure 263:

- B. Fl.**: Rests throughout.
- Vln.**: Rests throughout.
- Vla.**: Rests throughout.
- pno**: Rests throughout.
- Can.**: Slurs and rests.
- Vc.**: Slurs and rests.
- Cl.**: Slurs and rests, dynamic  $p$ .

Measure 264:

- B. Fl.**: Rests throughout.
- Vln.**: Rests throughout.
- Vla.**: Rests throughout.
- pno**: Rests throughout.
- Can.**: Slurs and rests.
- Vc.**: Slurs and rests.
- Cl.**: Slurs and rests, dynamic  $p$ .



Musical score for orchestra and piano, page 10, measures 266-270.

**B. Fl.** (Measure 266): 3 eighth-note pulses.

**Vln.** (Measure 266): 3 eighth-note pulses.

**Vla.** (Measure 266): 3 eighth-note pulses.

**pno** (Measures 266-270):  
- Measure 266: 5 sixteenth-note pulses.  
- Measure 267: 5 sixteenth-note pulses.  
- Measure 268: 5 sixteenth-note pulses.  
- Measure 269: 5 sixteenth-note pulses.  
- Measure 270: 5 sixteenth-note pulses.  
- Measure 270 (above staff): 45"-60" (tempo)  
- Measure 270 (below staff): (repeat beats in same tempo whole fermata)

**Can.** (Measures 266-270): 45"-60" (tempo).

**Vc.** (Measures 266-270):  
- Measure 266: 3 eighth-note pulses.  
- Measure 267: 3 eighth-note pulses.  
- Measure 268: 3 eighth-note pulses.  
- Measure 269: 3 eighth-note pulses.  
- Measure 270: 3 eighth-note pulses.

**Cl.** (Measure 266): 4 eighth-note pulses.