

Pitch Gradient with Noise in A#

for 3 percussion, accordion, bassoon, electric guitar, pitched percussion, 3 bowed string instruments, and sine-tones

Jordan Dykstra, 2016

Pitch Gradient with Noise in A#
PERFORMANCE NOTES

- I. Score in C.
- II. Pitches should be thought of as pitch classes and thus may be voiced in any octave. String players may also use harmonics, sul ponticello, and/or sul tasto.
- III. Instead of a pitch, a player may choose to produce a quiet, sustained noise (on their instrument). Eg. bowing the wooden body or tailpiece of their instrument, sliding their finger up/down the string, unpitched air running through an instrument, etc.
- IV. Single or multiple players to a part is fine.
- V. The accordion may be substituted with a similar instrument such as a pump organ, harmonium, or shruti box, etc.
- VI. Quiet throughout, with minimal entrances/exits, and without vibrato.
- VII. The electric guitar player should always use an Ebow. The pitched percussion player should also use a bow (most likely a well-rosined double bass bow) to sustain their pitch.
- VIII. Most players will need to use a tuner with a contact microphone to find the cent deviations from equal temperament.
- IX. Noise percussionists should find non-pitched “instruments” capable of being sustained, possibly through bowing, and that provide noise (or unstable non-following-of-the-harmonic-series pitches). Eg. bowed woodblock, stones continuously rubbed together, a soft brush on a drum head, lightly bowed metal objects, steady stream of rice or sand on a cymbal, etc. Although acoustic instruments are crucial, non-acoustic “instruments” (such as the white noise on a radio or the buzzing of a circuit) may also be added at an appropriate volume.
- X. Both the electric guitar and sine-tone players will need an adequate amp and should carefully balance to the dynamic of the ensemble.
- XI. The performance layout should be staged in a semicircle or placed around the audience.
- XII. This edition was composed as half of a performance on October 4, 2016 at Wesleyan University. Alongside it was a performance of *Four Found Clouds* which is why this edition contains 2 minutes of silence at the beginning and end. If *Pitch Gradient with Noise in A#* is performed on its own, the silence at the beginning and end may be adjusted accordingly (shortened or lengthened).

0''

7''

NOISE PERCUSSION 1

NOISE PERCUSSION 2

NOISE PERCUSSION 3

ACCORDION

BASSOON

ELECTRIC GUITAR

PITCHED PERCUSSION

BOWED STRING 1

BOWED STRING 2

BOWED STRING 3

SINE-TONE

1'

2'

A musical score page with eleven staves. The staves are labeled on the left as follows: N-PERC 1, N-PERC 2, N-PERC 3, ACC, BSN, GTR, P-PERC, STR 1, STR 2, STR 3, and S-T. The first three staves (N-PERC) have a double bar line at the beginning. The ACC, BSN, GTR, P-PERC, STR 1, STR 2, and STR 3 staves have a treble clef at the beginning. The S-T staff has a soprano clef at the beginning. All staves are empty.

2'

3'

N-PERC 1 || *p*

N-PERC 2 || *p*

N-PERC 3 || *p*

ACC $\pm 0c$
p

BSN $+2c$ $+8c$
p

GTR $+15c$ with EBow
p

P-PERC $\pm 0c$ with bow
p

STR 1 $+13c$
p

STR 2 $+5c$
p

STR 3 $+12c$
p

S-T $+4c$
p

3'

4'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC $\pm 0c$
(40)

BSN $+8c$
(40) $+15c$
(40)

GTR $+15c$
(40)

P-PERC $\pm 0c$
(40)

STR 1 $+13c$
(40)

STR 2 $+25c$
(40)

STR 3 $+12c$
(40)

S-T $+16c$
(40)


4'



5'


N-PERC 1 II


N-PERC 2 II


N-PERC 3 II

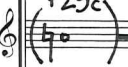
ACC $\pm 0c$


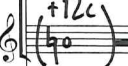

BSN $+22c$

 $+31c$


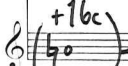
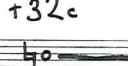
GTR $+15c$


P-PERC $\pm 0c$


STR 1 $+37c$


STR 2 $+25c$


STR 3 $+12c$ $+35c$

 $+35c$


S-T $+16c$ $+32c$

 $+32c$


5'

6'

N-PERC 1 II

N-PERC 2 II

N-PERC 3 II

ACC $\pm 0c$
(40)

BSN $\tau 31c$ $+39c$
(40)

GTR $+15c$ $+48c$
(40)

P-PERC $(\pm 0c)$
(40)

STR 1 $\tau 37c$
(40)

STR 2 $+25c$ $+48c$
(40)

STR 3 $+35c$
(40)

S-T $+32c$
(40)


6'


7'


N-PERC 1 II

N-PERC 2 II


N-PERC 3 II


ACC $\pm 0c$



BSN $+39c$ $+49c$



GTR $+48c$


P-PERC

STR 1 $+37c$


STR 2 $+48c$


STR 3 $+35c$


S-T $+48c$


7'

8'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC

BSN $+49c$
 (40) $-42c$
 $\#0$

GTR $+48c$
 (40)

P-PERC

STR 1 $-35c$
 $\#0$

STR 2 $+48c$
 (40)

STR 3 $-41c$
 $\#0$

S-T $+48c$
 (40) $-38c$
 $\#0$

8'

9'

N-PERC 1 II

N-PERC 2 II

N-PERC 3 II

ACC

BSN -35c

GTR -21c

P-PERC ±0c

STR 1 (-35c)

STR 2 -20c

STR 3 (-41c)

S-T -38c

q'

10'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC $\pm 0c$
#o

BSN $-27c$
#o $-19c$
#o

GTR $-21c$
#o

P-PERC $\pm 0c$
#o

STR 1 $-35c$
#o

STR 2 $-20c$
#o

STR 3 $-10c$
#o

S-T $-23c$
#o

10'

11'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC
 (10c)

BSN
 (-19c) (-12c)

GTR
 (-21c)

P-PERC
 (10c)

STR 1
 (-7c)

STR 2
 (-20c)

STR 3
 (-10c)

S-T
 (-23c) (-8c)

11'

12'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC $\pm 0c$

BSN $-12c$ $-4c$

GTR $+9c$

P-PERC $\pm 0c$

STR 1 $-7c$

STR 2 $+3c$

STR 3 $-10c$

S-T $-8c$

12'

13'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC $\pm 0c$
#0

BSN +6c
#0

GTR +9c
#0

P-PERC $\frac{5c}{2}$
#0

STR 1 +13c
#0

STR 2 +3c
#0

STR 3 -10c
#0 +8c
#0

S-T +9c
#0

13'

14'

N-PERC 1 II

N-PERC 2 II

N-PERC 3 II

ACC $\pm 0c$
#0

BSN $+13c$
#0 $+21c$
#0

GTR $+9c$
#0

P-PERC $\pm 0c$
#0

STR 1 $+13c$
#0

STR 2 $+21c$
#0


STR 3 $+8c$
#0 $+22c$
#0


S-T $+9c$
#0 $+24c$
#0


N-PERC 1 II

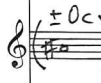
N-PERC 2 II

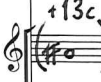
N-PERC 3 II


ACC $\pm 0c$



BSN $+21c$ $+27c$



GTR $+9c$


P-PERC $\pm 0c$


STR 1 $+13c$ $+36c$


STR 2 $+21c$


STR 3 $+22c$


S-T $+24c$


15'

16'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC $\begin{matrix} \pm 0c \\ \#0 \end{matrix}$

BSN $\begin{matrix} +36c \\ \#0 \end{matrix}$

GTR $\begin{matrix} +44c \\ \#0 \end{matrix}$

P-PERC $\begin{matrix} \pm 0c \\ \#0 \end{matrix}$

STR 1 $\begin{matrix} +36c \\ \#0 \end{matrix}$

STR 2 $\begin{matrix} +21c \\ \#0 \end{matrix}$ $\begin{matrix} +42c \\ \#0 \end{matrix}$

STR 3 $\begin{matrix} +49c \\ \#0 \end{matrix}$

S-T $\begin{matrix} +39c \\ \#0 \end{matrix}$

-16-

16'

17'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC

BSN \sharp° $+44c$ $-49c$

GTR \sharp° $+44c$

P-PERC

STR 1 \sharp° $+36c$ $-42c$

STR 2 \sharp° $+42c$

STR 3 \sharp° $+49c$

S-T \sharp° $+39c$ $-48c$

Handwritten musical score for percussion and string instruments. The score is organized into staves for different instruments:

- N-PERC 1**, **N-PERC 2**, and **N-PERC 3**: Three staves for non-percussion instruments, each with a double bar line at the start and an arrow at the end.
- ACC**: Accordion staff, starting with a treble clef and a handwritten $\pm 0c$ above the first note.
- BSN**: Bassoon staff, starting with a treble clef and a handwritten $-49c$ above the first note. A second handwritten $-44c$ appears above a later note.
- GTR**: Guitar staff, starting with a treble clef and a handwritten $+44c$ above the first note.
- P-PERC**: Percussion staff, starting with a treble clef and a handwritten $\pm 0c$ above a note.
- STR 1**: String 1 staff, starting with a treble clef and a handwritten $-42c$ above the first note.
- STR 2**: String 2 staff, starting with a treble clef and a handwritten $+42c$ above the first note.
- STR 3**: String 3 staff, starting with a treble clef and a handwritten $+49c$ above the first note. A handwritten $-34c$ appears above a later note.
- S-T**: Solo/Tutti staff, starting with a treble clef and a handwritten $-48c$ above the first note.

The notation consists of horizontal lines with various notes and clefs. The page number **-18-** is centered at the bottom.

18'

19'

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC $\pm 0c$
(40)

BSN -44c
(40) -35c
(40) -29c
(40)

GTR -18c
(40)

P-PERC $\pm 0c$
(40)

STR 1 -42c
(40)

STR 2 -25c
(40)

STR 3 -34c
(40)

S-T -30c
(40)

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC $\begin{matrix} +10c \\ (40) \end{matrix}$

BSN $\begin{matrix} -29c \\ (40) \end{matrix}$ $\begin{matrix} -23c \\ 40 \end{matrix}$

GTR $\begin{matrix} -18c \\ (40) \end{matrix}$

P-PERC $\begin{matrix} +10c \\ (40) \end{matrix}$

STR 1 $\begin{matrix} -42c \\ (40) \end{matrix}$

STR 2 $\begin{matrix} -25c \\ (40) \end{matrix}$

STR 3 $\begin{matrix} -34c \\ (40) \end{matrix}$

S-T $\begin{matrix} -30c \\ (40) \end{matrix}$ $\begin{matrix} -17c \\ 40 \end{matrix}$

20'

21'


Handwritten musical score for 20' and 21' sections. The score includes staves for N-PERC 1, 2, 3, ACC, BSN, GTR, P-PERC, STR 1, 2, 3, and S-T. Each staff has a handwritten tempo marking in cents (c) and a starting note on a four-line staff.


Instrument	Tempo (c)	Starting Note
N-PERC 1		
N-PERC 2		
N-PERC 3		
ACC	$\pm 0c$	G_4
BSN	$-17c$	G_4
GTR	$-18c$	G_4
P-PERC	$\pm 0c$	G_4
STR 1	$-7c$	G_4
STR 2	$-25c$	G_4
STR 3	$-14c$	G_4
S-T	$-17c$	G_4


N-PERC 1 ||

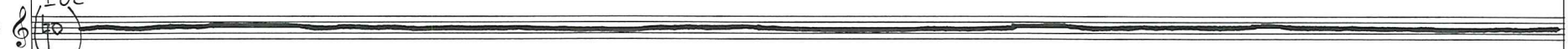
N-PERC 2 ||


N-PERC 3 ||


ACC $\pm 0c$


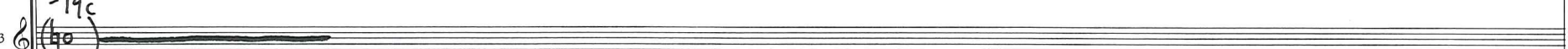
BSN $-13c$ $-5c$



GTR $-18c$


P-PERC $\pm 0c$


STR 1 $-7c$


STR 2 $-5c$


STR 3 $-14c$


S-T $-5c$


22'

23'

A musical score page for percussion and strings. The score is organized into two systems. The first system includes three percussion parts: N-PERC 1, N-PERC 2, and N-PERC 3, each with a double bar line at the beginning. The second system includes five string parts: ACC (Acoustic Guitar), BSN (Bassoon), GTR (Guitar), P-PERC (Percussion), STR 1, STR 2, and STR 3, each with a treble clef and a double bar line at the beginning. The S-T part (Soprano/Tenor) is listed at the bottom but has no clef or bar line. The entire score is currently blank.

N-PERC 1 ||

N-PERC 2 ||

N-PERC 3 ||

ACC

BSN

GTR

P-PERC

STR 1

STR 2

STR 3

S-T