

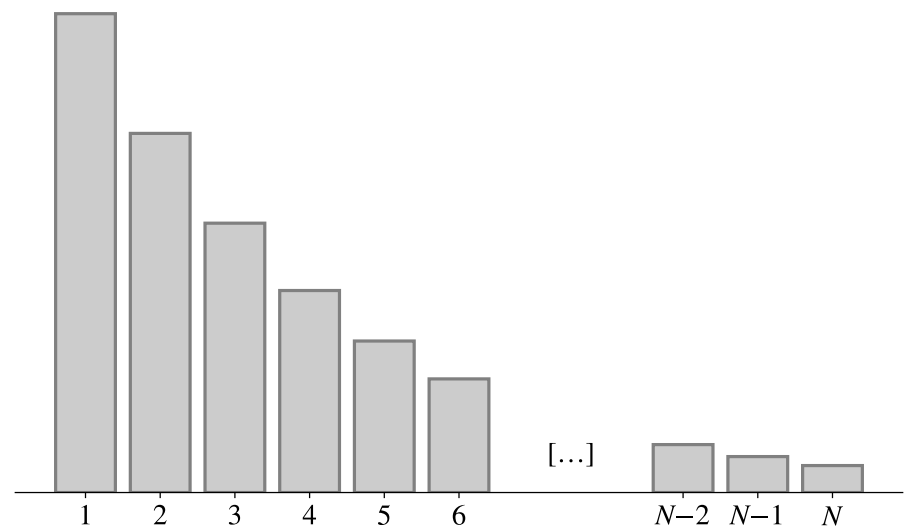
Gilberto Agostinho

Cartography #2

for solo piano

2017

All pieces in this series were composed using the following distribution:



$$P(n) = (3/4)^k \times P(n - k)$$

Cartography #2, for solo piano

Mapping and rules

pitches		constraints
set size	$N = 8$	- number of pitch transformations: 50. - number of duration transformations: 50.
transformation period	$8 \times \text{♪}$	
transformation mechanism	$[a, b, c, d, e, f, g, h] \rightarrow [b, c, d, e, f, g, h, i]$, with $i \bmod 12 = (h \bmod 12) - 1$, and i at a uniformly randomly selected octave transposition.	
initial set	$[G4, F\sharp4, F4, E4, E\flat4, D4, C\sharp4, C4]$	
dynamics		
set size	$N = 6$	
transformation period	no transformation.	
set	$[ppp, ppp, mf, mf, fff, fff]$	
durations		
set size	$N = 12$	
transformation period	$8 \times \text{♪}$	
transformation mechanism	swapping items from middle. For a set $[a, b, c, d, e, f, g, h, i, j, k, l]$, the first iteration swaps f and g , the second e and h , and so on, until the whole set is reversed. At that point, the process starts again, swapping from the middle of the reversed set.	
initial set	$[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]$	

General performance notes

- the piano's sustain pedal should be held halfway down throughout the piece. A good reference point for this is when individual note lengths cannot be precisely perceived (that is, the sound is not cut when releasing a key). Some instruments and acoustic spaces might call for slightly different pedalling (at the discretion of the performer).
- after the last note of the piece, let the resonance disappear before raising the sustain pedal.

This score was automatically generated by a computer program. The only manual alterations made to it are:

- improved ottavation; consecutive ottavated notes share a single ottava bracket.
- improved the positions of some dynamics.

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Cartography #2

Gilberto Agostinho

$\text{♩} = \text{ca. } 72$

Piano

$\frac{1}{2}$ $\text{Red.} \rightarrow$

5

9

15

15

ppp *mf* *ppp* *mf* *ppp* *mf* *ppp* *fff*

13

15

fff *mf* *ppp* *mf* *fff* *ppp*

17

15

mf *ppp* *mf* *ppp* *fff* *ppp* *ppp* *fff* *mf* *ppp*

21

15

mf *mf* *ppp* *fff* *ppp* *ppp* *mf*

[illegible]

38

fff ppp

42

ppp fff mf ppp fff mf

46

fff mf ppp mf mf fff ppp

50

ppp

ppp

fff

mf

8

54

ppp

fff

ppp

mf

ppp

ppp

mf

8

58

fff

ppp

mf

mf

mf

ppp

ppp

8

62

mf mf ppp ppp fff fff ppp fff ppp fff

8-1 8-1

66

mf ppp ppp ppp mf ppp ppp ppp

8-1 8-1

70

ppp ppp mf ppp mf ppp fff mf ppp fff ppp

8-1 8-1

75

fff *mf* *ppp* *mf* *ppp* *fff* *8⁻¹* *ppp* *mf* *ppp* *fff* *8⁻¹*

79

8 *mf* *ppp* *8⁻¹* *mf* *ppp* *8* *mf* *ppp* *fff* *mf* *fff* *fff* *fff* *8⁻¹* *fff*

83

8 *ppp* *mf* *ppp* *fff* *mf* *ppp* *fff* *ppp* *fff*

88

mf *ppp* *mf* *ppp* *ppp*

fff

92

mf *ppp* *mf* *ppp*

mf

mf

96

ppp *fff* *mf* *ppp* *ppp*

ppp