

O Ritual Da Sombra

for solo recorder and live electronics

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General Information

O Ritual Da Sombra is an algorithmic work for solo recorder and live electronics. Since it is generated by a computer program that uses random numbers, a different version of this work is output at each execution. Thus, it is recommended that the performer generate a new version for each concert. Also, the performers may play more than one single version on a same concert.

Durata: averagely 12'

General Performance Notes

Although this work is written for a tenor recorder, it may be performed on other recorders. The used range is C4-B5, and therefore needs to be transposed according to the instrument size.

Since this work makes use of live electronics, the recorder must be amplified with a single microphone (possibly positioned in the body of the instrument) and this signal has to be received by the Pure Data patch.

The live electronics should be controlled by the player himself using a MIDI pedal. The moment of activation are always during the half-note rests with fermati.

The live electronics should be output by two speakers in the stage, one to the left and one to the right of the performer. Care should be taken that the microphone in the recorder does not pick up the music coming from these two speakers.

Although this work contains no markings for dynamics, the performer may create small volume nuances according to his/hers interpretation of the musical phrases (i.e. *espressivo*).

All accidentals in this score are notated as sharp.

Generating a unique version

In order to generate a unique version of this work, it is necessary to have the four following programs installed on a Linux or Windows computer:

- The programs `ritual.out` (for Linux) or `ritual.EXE` (for Windows), which can be freely obtained by sending a request message to the address gilberto.agostinho.f@gmail.com
- LilyPond, which can be downloaded at www.lilypond.org

To generate a score, simply execute the file `ritual.out` or `ritual.EXE` (depending on your OS) and wait until a score is automatically generated as a pdf file, together with a LilyPond file (`.ly`), a MIDI file (`.midi`) and a file named `datafile.txt` which has to be used by the Pure Data patch in order to produce the live electronic part. To generate a new score, simply run the executable file once again.

IMPORTANT NOTE: after generating a score, another execution of `ritual.out` or `ritual.EXE` will result in the loss of all previously generated files (they will all be overwritten)! If you wish to keep a particular version of this composition, please copy all its files to a safe location.

Using the Pure Data patch

Every generated version of this work will have a file named `datafile.txt` (which is unique to each version). Below are the actions (in order) that have to be taken in order for the Pure Data patch to work:

- Make sure that the microphone input and the two stereo loudspeakers output are properly configured
- Turn on the DSP toggle
- Set the Master Volume slider to a reasonable level
- Test that the recorder is now being amplified
- Click on the button “Load datafile” and select the file `datafile.txt` of the version you intend to perform
- Configure the MIDI pedal by setting its controller and channel numbers
- Test the MIDI pedal: stepping on it should now move the “Event No.” counter forwards
- Click on the “Reset” button to bring the counter back to the initial value

O Ritual Da Sombra

Gilberto Agostinho

$\text{♩} = 216$

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This page of musical notation for guitar contains ten staves of music, each featuring a series of fret markers numbered 35 through 59. The notation includes various musical symbols such as treble clefs, key signatures (one sharp, F#), and specific note values (quarter, eighth, and sixteenth notes). Several measures contain triplets (indicated by a '3' over the notes) and quintuplets (indicated by a '5' over the notes). Slurs are used to group multiple notes together. The fret markers are represented by circles with numbers inside, and arrows point from these markers to the corresponding frets on the staff. The music is written in a style typical of guitar tablature, with a focus on precise fretting and rhythmic patterns.

35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59

This page contains ten staves of musical notation, likely for guitar, in the key of E major (indicated by two sharps). The notation includes various rhythmic values, accidentals, and fingerings. Circled numbers 60 through 81 are placed below the staves, with arrows pointing to specific notes or measures. Fingerings like 3, 5, and 3 are indicated above certain notes.

Staff 1: Measures 60 and 61. Measure 60 has a circled number 60 below it. Measure 61 has a circled number 61 below it. Fingerings 3 and 5 are indicated above notes in measure 60.

Staff 2: Measures 62 and 63. Measure 62 has a circled number 62 below it. Measure 63 has a circled number 63 below it. Fingering 5 is indicated above a note in measure 63.

Staff 3: Measures 64 and 65. Measure 64 has a circled number 64 below it. Measure 65 has a circled number 65 below it. Fingering 5 is indicated above a note in measure 64.

Staff 4: Measures 66 and 67. Measure 66 has a circled number 66 below it. Measure 67 has a circled number 67 below it. Fingering 5 is indicated above a note in measure 66.

Staff 5: Measures 68 and 69. Measure 68 has a circled number 68 below it. Measure 69 has a circled number 69 below it. Fingering 5 is indicated above a note in measure 68.

Staff 6: Measures 70 and 71. Measure 70 has a circled number 70 below it. Measure 71 has a circled number 71 below it. Fingering 5 is indicated above a note in measure 71.

Staff 7: Measures 72 and 73. Measure 72 has a circled number 72 below it. Measure 73 has a circled number 73 below it.

Staff 8: Measures 74 and 75. Measure 74 has a circled number 74 below it. Measure 75 has a circled number 75 below it. Fingering 3 is indicated above a note in measure 75.

Staff 9: Measures 76 and 77. Measure 76 has a circled number 76 below it. Measure 77 has a circled number 77 below it.

Staff 10: Measures 78 and 79. Measure 78 has a circled number 78 below it. Measure 79 has a circled number 79 below it.

Staff 11: Measures 80 and 81. Measure 80 has a circled number 80 below it. Measure 81 has a circled number 81 below it. Fingering 5 is indicated above a note in measure 81.

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*) Wait until the electronic sounds completely fade out.