

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 contains ten staves of musical notation, likely for guitar, with various musical notations and numbered fret markers. The notation includes notes, rests, and fingerings (e.g., 3, 5). The numbered fret markers are circled and labeled with their respective fret numbers:

- Staff 1: Fret 19, Fret 20 (with a 3-finger fingering), Fret 21.
- Staff 2: Fret 22, Fret 23, Fret 24.
- Staff 3: Fret 25.
- Staff 4: Fret 26, Fret 27.
- Staff 5: Fret 28, Fret 29.
- Staff 6: Fret 30, Fret 31 (with a 5-finger fingering), Fret 32.
- Staff 7: Fret 33, Fret 34 (with a 3-finger fingering).

This page contains ten staves of musical notation for guitar, written in G major (one sharp). The notation includes various rhythmic values, accidentals, and fingerings. Circled numbers 35 through 51 are placed below the staves, with arrows pointing to specific notes. Fingerings are indicated by numbers 3, 5, and 5 above notes.

Staff 1: Measures 35, 36, 37. Measure 35 has a circled 35 below it. Measure 36 has a circled 36 below it. Measure 37 has a circled 37 below it.

Staff 2: Measures 38, 39. Measure 38 has a circled 38 below it. Measure 39 has a circled 39 below it.

Staff 3: Measures 40, 41. Measure 40 has a circled 40 below it. Measure 41 has a circled 41 below it.

Staff 4: Measures 42, 43. Measure 42 has a circled 42 below it. Measure 43 has a circled 43 below it.

Staff 5: Measures 44, 45. Measure 44 has a circled 44 below it. Measure 45 has a circled 45 below it.

Staff 6: Measures 46, 47. Measure 46 has a circled 46 below it. Measure 47 has a circled 47 below it.

Staff 7: Measures 48, 49. Measure 48 has a circled 48 below it. Measure 49 has a circled 49 below it.

Staff 8: Measures 50, 51. Measure 50 has a circled 50 below it. Measure 51 has a circled 51 below it.

This page of musical notation for guitar consists of ten staves, each containing a sequence of notes and chords. The notation is written in a key signature of one sharp (F#) and includes various musical symbols such as accidentals, slurs, and articulation marks. The fret numbers 52 through 73 are indicated by circles with arrows pointing to specific notes on the staves. The music includes several complex passages, including triplets and quintuplets, as well as various chord voicings and melodic lines. The notation is presented in a clear, professional layout, suitable for a guitar method book or a sheet music publication.

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This page contains ten staves of musical notation, likely for guitar, in the key of G major (one sharp). The notation includes various chords, scales, and technical markings. Circled numbers 74 through 90 are placed below the staves, with arrows pointing to specific notes or chords. Fingerings 3 and 5 are indicated for certain passages.

Staff 1: Measures 74 and 75. Measure 75 features a five-fingered scale run (5).

Staff 2: Measures 76, 77, and 78. Measure 76 features a triplet (3).

Staff 3: Measure 79.

Staff 4: Measures 80 and 81. Measure 81 features a triplet (3).

Staff 5: Measures 82 and 83.

Staff 6: Measure 84. Measure 84 features a triplet (3).

Staff 7: Measures 85 and 86. Measure 86 features a five-fingered scale run (5).

Staff 8: Measures 87 and 88.

Staff 9: Measures 89 and 90. Measure 89 features a triplet (3). Measure 90 features a five-fingered scale run (5).

*) Wait until the electronic sounds completely fade out.