

O Ritual Da Sombra

for solo recorder and live electronics

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(2015)

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 musical score is for guitar, spanning measures 37 to 60. It is written on a single staff in treble clef with a key signature of one sharp (F#). The notation includes various rhythmic values, accidentals, and articulation marks. Measures 37, 38, 39, 42, 43, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, and 60 feature a half note with a fermata. Measures 40, 41, 44, 45, 52, 53, 54, 57, and 58 contain triplets. Measures 45 and 54 contain quintuplets. Measure 45 also features a triplet of eighth notes. Measure 58 features a triplet of eighth notes. Measure 59 features a triplet of eighth notes. Measure 60 features a triplet of eighth notes. Measure 40 features a triplet of eighth notes. Measure 41 features a triplet of eighth notes. Measure 42 features a triplet of eighth notes. Measure 43 features a triplet of eighth notes. Measure 44 features a triplet of eighth notes. Measure 45 features a triplet of eighth notes. Measure 46 features a triplet of eighth notes. Measure 47 features a triplet of eighth notes. Measure 48 features a triplet of eighth notes. Measure 49 features a triplet of eighth notes. Measure 50 features a triplet of eighth notes. Measure 51 features a triplet of eighth notes. Measure 52 features a triplet of eighth notes. Measure 53 features a triplet of eighth notes. Measure 54 features a triplet of eighth notes. Measure 55 features a triplet of eighth notes. Measure 56 features a triplet of eighth notes. Measure 57 features a triplet of eighth notes. Measure 58 features a triplet of eighth notes. Measure 59 features a triplet of eighth notes. Measure 60 features a triplet of eighth notes.

37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

This musical score is for guitar, spanning measures 61 to 83. It is written on a single staff in treble clef with a key signature of one sharp (F#). The notation includes various rhythmic values, accidentals, and fingerings. Measures 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, and 83 are all marked with a circled number and an upward-pointing arrow. The score features several triplets (marked with a '3' and a bracket) and quintuplets (marked with a '5' and a bracket). The music is characterized by a mix of eighth, sixteenth, and thirty-second notes, often beamed together. There are also many rests and accidentals (sharps and naturals) throughout the piece. The overall style is that of a technical or contemporary guitar exercise.

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*) Wait until the electronic sounds completely fade out.