

O Ritual Da Sombra

for solo recorder and live electronics

GILBERTO AGOSTINHO

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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 is for guitar, featuring ten staves of music. The notation includes various musical symbols such as notes, rests, and fingerings. The fret numbers 21 through 43 are indicated by circles with arrows pointing to the corresponding frets on the staff. The music is written in a key with one sharp (F#) and a 2/4 time signature. The notation includes various musical symbols such as notes, rests, and fingerings. The fret numbers 21 through 43 are indicated by circles with arrows pointing to the corresponding frets on the staff. The music is written in a key with one sharp (F#) and a 2/4 time signature. The notation includes various musical symbols such as notes, rests, and fingerings. The fret numbers 21 through 43 are indicated by circles with arrows pointing to the corresponding frets on the staff. The music is written in a key with one sharp (F#) and a 2/4 time signature.

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43

This page contains ten staves of musical notation, likely for guitar, featuring a variety of notes, rests, and accidentals. The notation is organized into ten staves, each with a circled number indicating a specific measure or technique:

- Staff 1: Measures 44, 45, and 46.
- Staff 2: Measures 47 and 48.
- Staff 3: Measure 49.
- Staff 4: Measures 50, 51, and 52.
- Staff 5: Measures 53, 54, and 55.
- Staff 6: Measures 56, 57, and 58.
- Staff 7: Measures 59, 60, and 61.
- Staff 8: Measure 62.
- Staff 9: Measures 63, 64, and 65.

The notation includes various musical symbols such as eighth notes, sixteenth notes, and rests, along with accidentals (sharps and flats). Some measures are marked with a '3' or '5', indicating triplets or quintuplets. The page is numbered '3' in the top right corner.

This musical score consists of ten staves of music, each containing five measures. The key signature has one sharp (F#) and the time signature is 4/4. The notation includes various note values (quarter, eighth, sixteenth, and thirty-second notes), rests, and accidentals. Circled measure numbers 66 through 85 are placed below the staves, with arrows pointing to the first note of each measure. Some measures contain triplets (marked with a '3') or quintuplets (marked with a '5').

Measures 66-85:

- Measure 66: Quarter note (F#4), quarter note (G#4), quarter note (A4), quarter note (B4), quarter note (C5).
- Measure 67: Quarter note (D5), quarter note (E5), quarter note (F#5), quarter note (G#5), quarter note (A5).
- Measure 68: Quarter note (B5), quarter note (C6), quarter note (D6), quarter note (E6), quarter note (F#6).
- Measure 69: Quarter note (G#6), quarter note (A6), quarter note (B6), quarter note (C7), quarter note (D7).
- Measure 70: Quarter note (E7), quarter note (F#7), quarter note (G#7), quarter note (A7), quarter note (B7).
- Measure 71: Quarter note (C8), quarter note (D8), quarter note (E8), quarter note (F#8), quarter note (G#8).
- Measure 72: Quarter note (A8), quarter note (B8), quarter note (C9), quarter note (D9), quarter note (E9).
- Measure 73: Quarter note (F#9), quarter note (G#9), quarter note (A9), quarter note (B9), quarter note (C10).
- Measure 74: Quarter note (D10), quarter note (E10), quarter note (F#10), quarter note (G#10), quarter note (A10).
- Measure 75: Quarter note (B10), quarter note (C11), quarter note (D11), quarter note (E11), quarter note (F#11).
- Measure 76: Quarter note (G#11), quarter note (A11), quarter note (B11), quarter note (C12), quarter note (D12).
- Measure 77: Quarter note (E12), quarter note (F#12), quarter note (G#12), quarter note (A12), quarter note (B12).
- Measure 78: Quarter note (C13), quarter note (D13), quarter note (E13), quarter note (F#13), quarter note (G#13).
- Measure 79: Quarter note (A13), quarter note (B13), quarter note (C14), quarter note (D14), quarter note (E14).
- Measure 80: Quarter note (F#14), quarter note (G#14), quarter note (A14), quarter note (B14), quarter note (C15).
- Measure 81: Quarter note (D15), quarter note (E15), quarter note (F#15), quarter note (G#15), quarter note (A15).
- Measure 82: Quarter note (B15), quarter note (C16), quarter note (D16), quarter note (E16), quarter note (F#16).
- Measure 83: Quarter note (G#16), quarter note (A16), quarter note (B16), quarter note (C17), quarter note (D17).
- Measure 84: Quarter note (E17), quarter note (F#17), quarter note (G#17), quarter note (A17), quarter note (B17).
- Measure 85: Quarter note (C18), quarter note (D18), quarter note (E18), quarter note (F#18), quarter note (G#18).

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*) Wait until the electronic sounds completely fade out.