

Laboratório VISGRAF

Instituto de Matemática Pura e Aplicada

3D Models Database

Luiz Velho

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3D models DB

VISGRAF Lab 3D models database



Models

Collection of 3D scanning models from VISGRAF Lab.



Claygirls

Models of five small sculptures from the Folk Art Museum of Rio de Janeiro.



Gramophone

3D model digitized for the Digital Gramophone project.



Heads

Head models of neutral facial expressions.

3D models DB

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Models

This section presents the collection of 3D scanning models from Visgraf Lab. 3D scanning is the procedure that allows one to recover the shape of objects, scenes or people.

There are many different ways to scan things, but the one utilized to generate these models uses a [structured light technique](#). Usually, the scan result consists of a 3D computer model of the real object.



3D models DB

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Models



- **model name:** branca
- **category:** Models
- **bmp file size (in bytes):** 1429306
- **ply file size (in bytes):** 3971762
- **uploader:** VISGRAF Lab

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Models



- **model name:** vaso01
- **category:** Models
- **bmp file size (in bytes):** 545338
- **ply file size (in bytes):** 13665529
- **uploader:** VISGRAF Lab

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Models



- **model name:** pequena
- **category:** Models
- **bmp file size (in bytes):** 633656
- **ply file size (in bytes):** 9784833
- **uploader:** VISGRAF Lab

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Models



- **model name:** cavalo
- **category:** Models
- **ply file size (in bytes):** 3845148
- **uploader:** VISGRAF Lab

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Models



- **model name:** cesta02
- **category:** Models
- **ply file size (in bytes):** 4631678
- **uploader:** VISGRAF Lab

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Claygirls

The Clay Girls collection features a group of five small sculptures from the Folk Art Museum of Rio de Janeiro, made with clay by artist Manuel Eudócio and digitized for the [3D Virtual Museum project](#).

The first one is a bride, in a beautiful wedding dress. In the sequence, there are three pregnant women: Dot Skirt, Hat Girl and Flower Dress. The last one is the Mother, carrying the baby. Each of them has a specific aspect that required special attention in the acquisition process in order to get a good scan (eg. reflective ink, black regions, high contrast areas).



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Claygirls



- **model name:** amarela
- **category:** Claygirls
- **bmp file size (in bytes):** 625210
- **ply file size (in bytes):** 10642035
- **uploader:** VISGRAF Lab

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Claygirls



- **model name:** b_bebe
- **category:** Claygirls
- **bmp file size (in bytes):** 532282
- **ply file size (in bytes):** 10303878
- **uploader:** VISGRAF Lab

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Claygirls



- **model name:** b_bolsa
- **category:** Claygirls
- **bmp file size (in bytes):** 585274
- **ply file size (in bytes):** 9406909
- **uploader:** VISGRAF Lab

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Claygirls



- **model name:** b_grande45
- **category:** Claygirls
- **bmp file size (in bytes):** 980794
- **ply file size (in bytes):** 9575042
- **uploader:** VISGRAF Lab

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Claygirls



- **model name:** b_verde
- **category:** Claygirls
- **bmp file size (in bytes):** 542266
- **ply file size (in bytes):** 9143683
- **uploader:** VISGRAF Lab

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Claygirls



- **model name:** b_grande02
- **category:** Claygirls
- **bmp file size (in bytes):** 1023802
- **ply file size (in bytes):** 8594141
- **uploader:** VISGRAF Lab

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Claygirls



- **model name:** b_noiva
- **category:** Claygirls
- **bmp file size (in bytes):** 662074
- **ply file size (in bytes):** 8668190
- **uploader:** VISGRAF Lab

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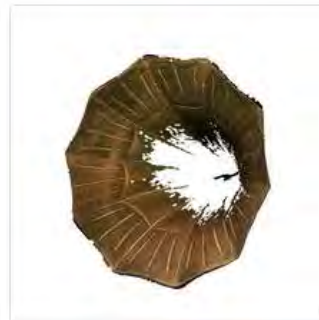
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Gramophone

The [Digital Gramophone project](#) is an investigation of 3D Photography techniques.

The object gramophone was chosen to be virtualized, through a 3D scanner, because of its complexity and conceptual values: how curious could it be to have a virtual object, captured straight from the real world, and keeping its original aspects of geometry and texture – changed naturally by time and use?



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Gramophone



- **model name:** base
- **category:** Gramophone
- **bmp file size (in bytes):** 2761018
- **ply file size (in bytes):** 49309320
- **uploader:** VISGRAF Lab

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Gramophone



- **model name:** braco
- **category:** Gramophone
- **bmp file size (in bytes):** 1110586
- **ply file size (in bytes):** 11022101
- **uploader:** VISGRAF Lab

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Gramophone



- **model name:** disco
- **category:** Gramophone
- **bmp file size (in bytes):** 746554
- **ply file size (in bytes):** 4331822
- **uploader:** VISGRAF Lab

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Gramophone



- **model name:** flor_exterior
- **category:** Gramophone
- **bmp file size (in bytes):** 1958456
- **ply file size (in bytes):** 4764480
- **uploader:** VISGRAF Lab

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Gramophone



- **model name:** flor_interior
- **category:** Gramophone
- **bmp file size (in bytes):** 1000954
- **ply file size (in bytes):** 9305772
- **uploader:** VISGRAF Lab

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Gramophone



- **model name:** motor
- **category:** Gramophone
- **bmp file size (in bytes):** 1990714
- **ply file size (in bytes):** 5625623
- **uploader:** VISGRAF Lab

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Heads

Those are head models of neutral facial expressions, obtained from photographs captured for the VISGRAF Lab [faces database](#).



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Heads



- **model name:** jacques
- **category:** Heads
- **bmp file size (in bytes):** 1647802
- **ply file size (in bytes):** 14664858
- **uploader:** VISGRAF Lab

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Heads



- **model name:** thiago
- **category:** Heads
- **bmp file size (in bytes):** 2490490
- **ply file size (in bytes):** 12518059
- **uploader:** VISGRAF Lab

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Heads



- **model name:** thales
- **category:** Heads
- **bmp file size (in bytes):** 2221496
- **ply file size (in bytes):** 13512901
- **uploader:** VISGRAF Lab

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