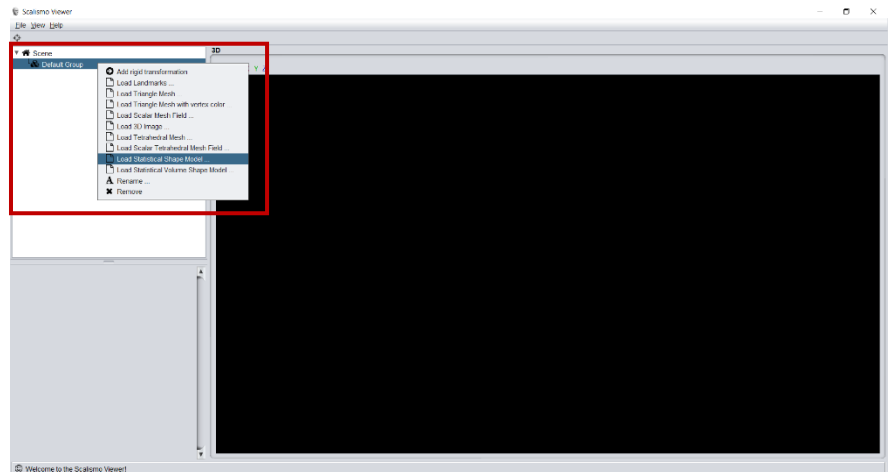


How to visualize the RBSM using the Scalismo Viewer

This document provides a step-by-step guide on how to visualize the RBSM using the Scalismo Viewer. You can download a pre-compiled version of the Scalismo Viewer from our website <https://rbsm.re-mic.de>. Please ensure that Java is installed on your computer (Java version 8.0 or higher is recommended).

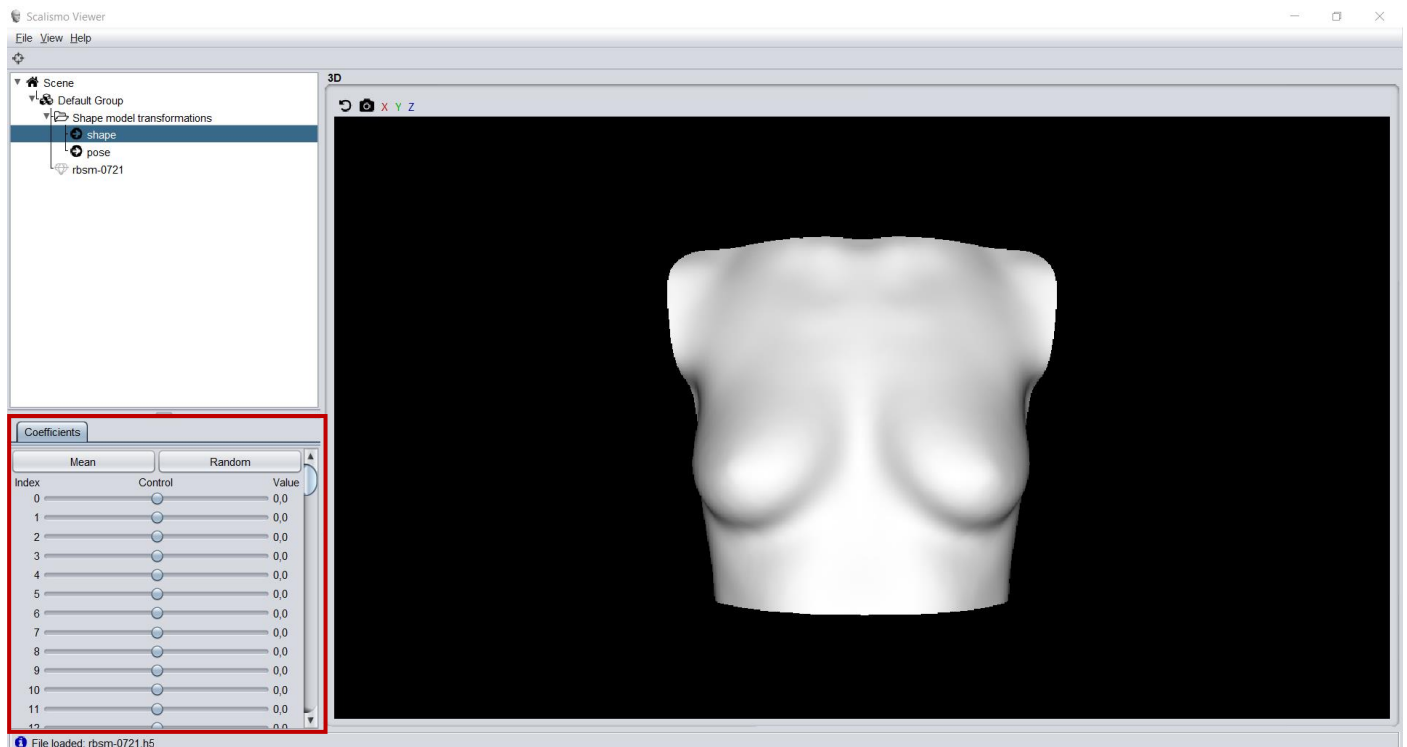
A) Loading the RBSM into the Scalismo Viewer

1. Open the Scalismo Viewer
2. Right click on *Default Group*
3. Select *Load Statistical Shape Model*
4. Browse for the downloaded RBSM and click *Open*



B) Interacting with the RBSM in the Scalismo Viewer

The Scalismo Viewer provides a convenient way to vary each Principal Component within a range of three standard deviations (i.e. $\pm 3\sqrt{\lambda}$) by moving the sliders in the *Coefficients* section. It is also possible to randomly sample from the RBSM.



To export a generated shape, right click on the surface data (indicated by a diamond-shaped symbol) and select *Save Triangle Mesh*. The shape can be saved as a triangular surface mesh in the STL, VTK, or PLY file format.

