

Voxelizer Blender Codes

By Matías Gárate

These tutorials and their content were developed with the help (both directly and indirectly) of all these people. Here I include the respective acknowledgements and also links to the websites that can be useful to learn more of scientific data visualization in blender.

Useful Websites:

Download Blender from: www.blender.org
Learn Blender Basics: <http://gryllus.net/Blender/3D.html>
To install python and numpy: <http://www.scipy.org/install.html>
Download Fargo3D simulation code: <http://fargo.in2p3.fr/>

Other scientists which have done scientific visualization using Blender are:

Matthias Meschede : <http://pythology.blogspot.com>
Dr. Brian Kent: <http://www.cv.nrao.edu/~bkent/blender/>
Dr. Jill Naiman: <http://www.astroblend.com/>

Special thanks to:

-Dr. Jorge Cuadra from Pontificia Universidad Católica de Chile, who developed the Stellar Winds simulations using Gadget-2 in Geryon*.
-Dr. Sebastián Pérez from Universidad de Chile, who developed the Protoplanetary Disk simulation with Fargo3D in Belka**.
-Dr. Pablo Benítez-Llambay (main developer of Fargo3D) Universidad Nacional de Córdoba, who collaborated in the development of the bvoxer_Fargo3D code.

This project was developed with financial support from Millennium Nucleus RC130007 (Chilean Ministry of Economy), and the associated PME project: "MAD Community Cluster".

*The Geryon/Geryon2 cluster housed at the Centro de Astro-Ingeniería UC was used for (part) the calculations performed in this work. The BASAL PFB-06 CATA, Anillo ACT-86, FONDEQUIP AIC-57, and QUIMAL 130008 provided funding for several improvements to the Geryon/Geryon2 cluster.

**These simulations were performed in the Belka GPU cluster by S. Perez at the Protoplanetary Disk Millennium Nucleus, commissioned thanks to a FONDEQUIP grant."