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: <u>www.blender.org</u>

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 Benitez-Llambay (main developer of Fargo3D) Universidad Nacional de Córdoba, who collaborated in the development of the byoxer Fargo3D code.
- *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."
- ***This project was developed with financial support from Millennium Nucleus RC130007 (Chilean Ministry of Economy).