

# IMAGINARY

open mathematics

## BIOGRAPHY FOR THE GALLERY

### “AURÉLIEN AVAREZ, ÉTIENNE GHYS AND JOS LEYS”

Aurélien Alvarez currently has a post-doc position at ÉPF-Lausanne and is particularly interested in geometry. His main topics of research concern ergodic and geometric group theory. He worked with Étienne Ghys and Jos Leys to realize Dimensions, a movie about dimensions, from the stereographic projection and the polyhedra in the 4-dimensional space to the complex numbers and the Hopf fibration.

Étienne Ghys is CNRS Director (centre nationale de la recherche scientifique) and works at the Institute of Mathematics of Ecole Normale Supérieure at Lyon. He held the plenary lecture on the subject “Knots and Dynamics” at the International Congress of Mathematicians, Madrid, 2006. Images of this lecture were compiled together with Jos Leys. Leys, Alvarez and Ghys are currently working, among others, on a series of DVDs for mathematical visualization. Parts of the first DVD (Film Dimensions) and images of it can be seen at the IMAGINARY exhibition.

Jos Leys is a mechanical engineer and has always had an interest in mathematics. He is particularly passionate about making mathematical images. He coordinates the website “Mathematical Imagery”, [www.josleys.com](http://www.josleys.com), and won various awards for it (“Featured artist” at Digital Art Museum, at a number of science museums, for books etc.).