

Special Feature: Fractal art exposition.

At this location, during the time of the Mat@mium workshop, a mathematical art exposition was simultaneously held at the W&K Institute for Architecture. The initiative for this exposition was due to Prof. Javier Barallo, of the University of the Basque Country (Spain), or, in the Bask language "*Euskal Herriko Unibertsitatea Donostia*" or else, in Spanish, "*Universidad del Pais Vasco San Sebastian*".

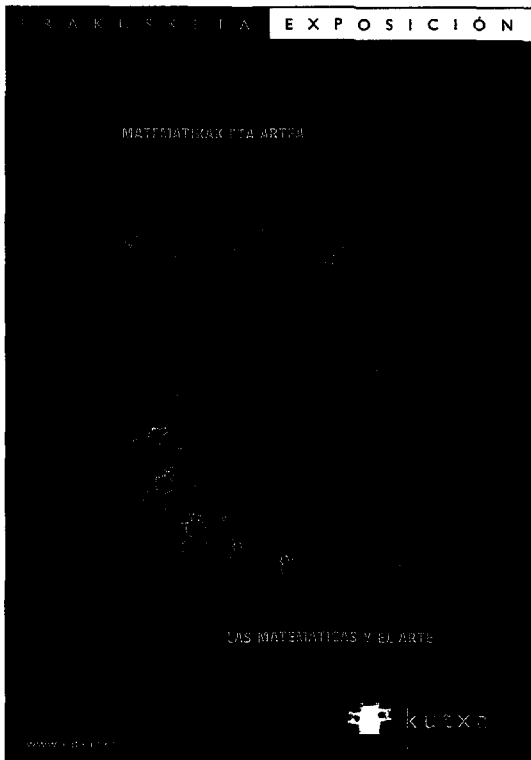
Barallo's group *The border between Art and Science* made its first exposition in September 1997. Since then, it realized numerous exhibitions in Germany, Argentina, Austria, Brazil, Spain, France, Japan and Serbia-Montenegro (Yugoslavia). The paintings are grouped under the denominator "*The Frontier between Art and Science*". After the Mat@mium workshop, the exposition moved to another Belgian city, Ghent, where it was shown in a major high school for a broad audience.

This survey exposition consists of works by different authors. They all share the use of mathematics in their work. All canvasses were made with computer programs, in which mathematical formulas, based on fractals, were especially designed for the graphical representation. The mathematical form and the used parameters give to each image a unique and singular structure, form and color.

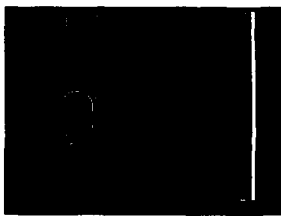
Each author works meticulously on his oeuvre by trying different values for the equations, formulas and parameters. In this way, the final image was obtained. Such a canvas should not be seen as a synthetic, cold and mechanically generated image set up by a computer, but as an artistic expression capable of transferring emotion and sensitivity.

For more information, see: www.sc.ehu.es/mathemal/Anglet.htm, www.sc.ehu.es/mathemal/BelVie.htm, or www.sc.ehu.es/mathemal/fas.html. If you would like to have the exposition at your university or hometown, please do contact Prof. Javier Barallo (mapbacaj@telepolis.com).

Below, the 12 images shown in Belgium are presented, but of course infinitely more fractals are available. This artwork is copy right protected, and thus shown here in very reduced format, just to give the reader a taste.

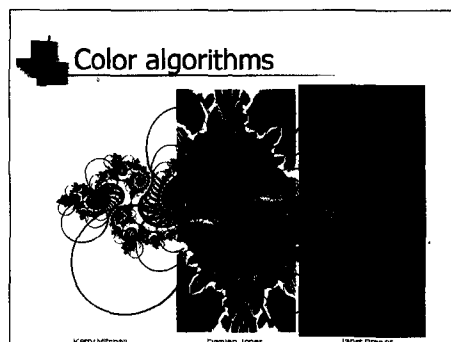
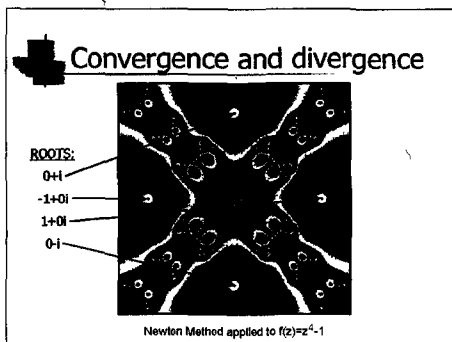


The announcement of the exposition.



Javier Barallo in front of one of the fractal exposition images.

Barallo's explanations about how the fractal artworks were obtained were artworks too. Below right shows *Kedaja* or *triptych* by Kerry Mitchell (left), Damien Jones (center) and Janet Preslar (right).





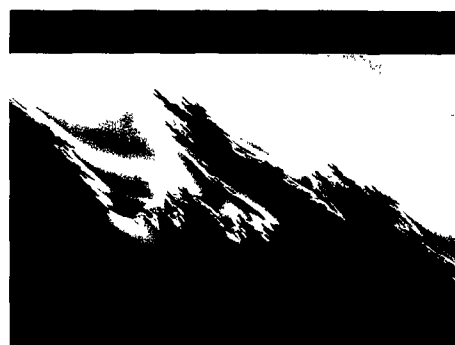
"Faeries" by Domenick Annuzzi.



"The Coral Reef" by Linda Allison.



"Volcano" by Javier Barrallo.



"Avalanche" by Sylvie Gallet.



"Alien Blood" by Earl Hinrichs.



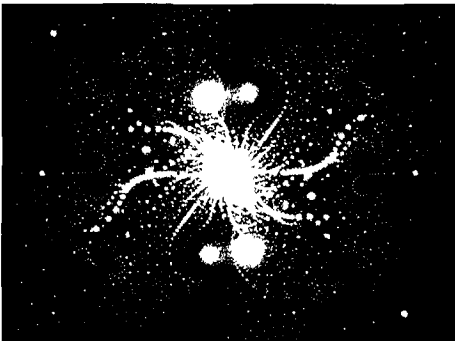
"Spade" by Damien Jones.



"Weathered" by Daniel Kuzmenka.



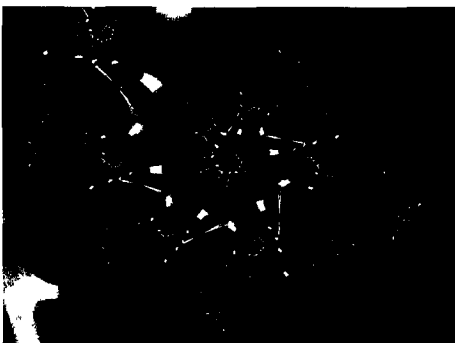
"Polygon 1" by Luke Plant



"Big Bang" by Kerry Mitchell



"Taupensky" by Janet Preslar.



"Jewelry" by Frederik Slijkerman.



"The Mysterious Conjunction" by Mark Townsend.

