European Society for Mathematics and the Arts

Newsletter

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Dear Reader,

Photos of the one week exhibition in Suresnes appear on http://www.math-art.eu/exhibitions.php#1 together with a text (in French) which develops somewhat the content of the oral lecture. To illustrate the matter of the richness of objects in the mathematical universe, I showed a few images of David Brander's article: Spherical Surfaces, arXiv:1506.01605v3[math.DG] 17 Nov 2015. They are reproduced at the end of this short letter, but the article shows more.

Obviously, the set of mathematical objects has at least the power of the set of integers. Then the question is: is the present human mind, without the use of mathematics and computers, able to conceive and to detail such an infinite set of different objects ? One may believe that one of the next human generation will be composed of people having an augmented mind with the knowledge of more mathematics and the integrated use of powerful computers.
These facts might be a source of reflection on what is human creation, how it processes, and a comparison between the work of the mind of mathematicians and of other kinds of artists.
We are reminded of the French version of one of the most famous Shakespearian sentences:

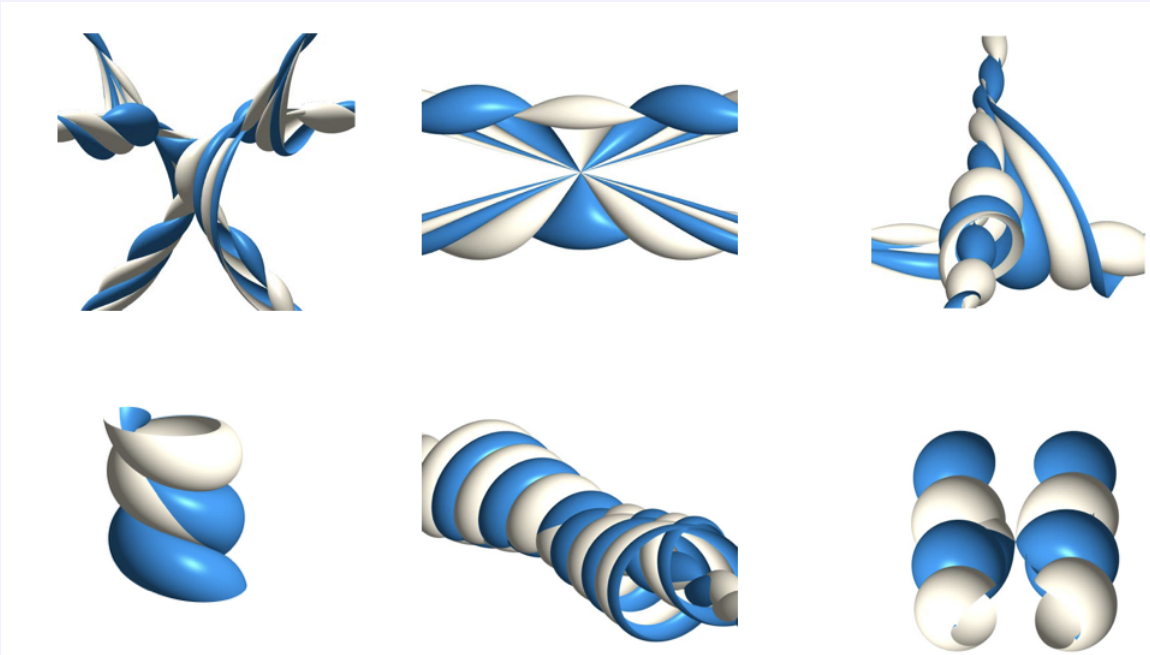
« Il y a plus de choses sur la terre et dans les mathématiques, Horatio, qu'il n'en est rêvé dans votre philosophie ».

Denise Demaret-Pranville, Philippe Rips and myself have begun to install the Dassault-Suresnes exhibition on March 9. On that day at 2p.m., we opened the boxes received from Lausanne on March 1. Everything was very well packed but a few works by Luc

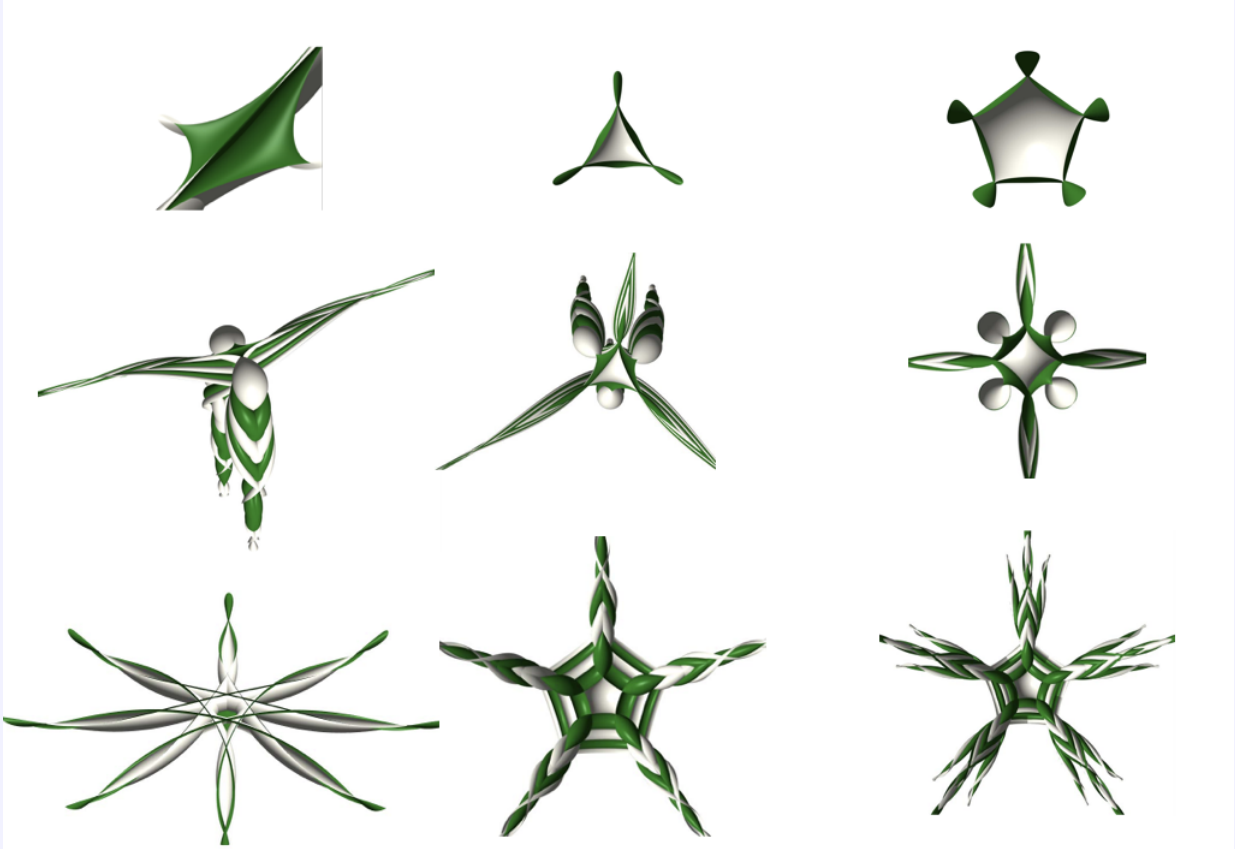
Bénard, Jean-François Colonna and Anatoly Fomenko were lacking. I mentioned these disappearances to Lausanne and to the transport company. Until now, I have had no news of the results of the investigations: first, what is the real path followed by the boxes (which places ?, which dates ?). I suspect the loss is definitive. I hope that we shall get some financial compensation from our insurance (?).

Best wishes,
Claude

P.S. David Brander's paper shows other mathematical images. Do they correspond to natural physical objects ? Would an artist have been able to imagine them ? Could he use them to show us new artistic works ?



David Brander. Exemples de surfaces sphériques (Courbure totale positive et constante)



David Brander. Exemples de surfaces sphériques (Courbure totale positive et constante)

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