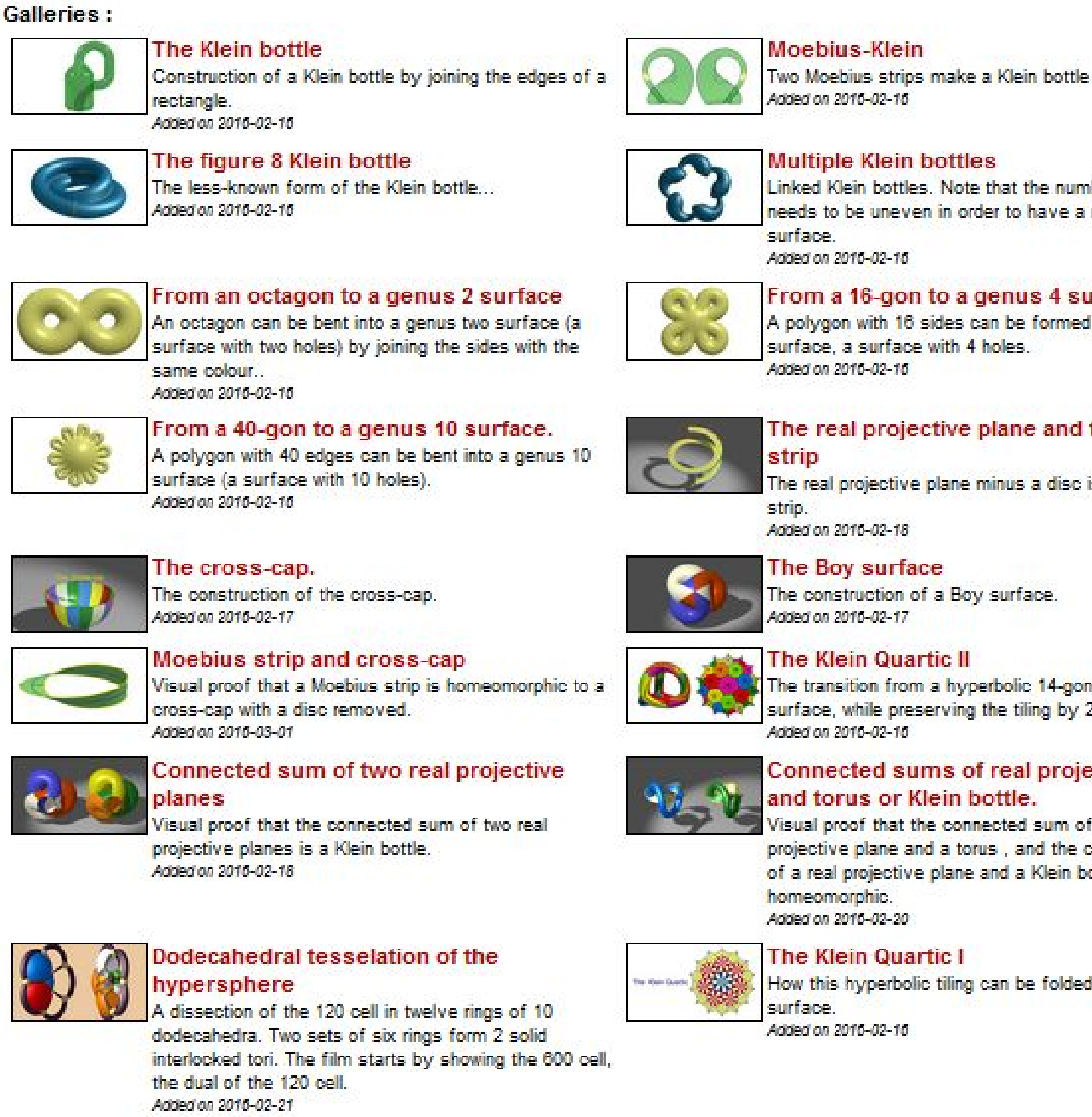
No es la primera vez que hablamos en ::ZTFNews del ingeniero y artista Jos Leys. Sus extraordinarias animaciones de diferentes nociones matemáticas son una delicia: bellas y técnicamente perfectas. Recordemos las de *Dimensions*, *Caos*, sus *fractales* (y *más fractales*), sus *teselaciones* o la *banda de Möbius en relación con un canon retrógrado de Bach*.



Galleries :

The Klein bottle
Construction of a Klein bottle by joining the edges of a rectangle.
Added on 2016-02-16

Moebius-Klein
Two Moebius strips make a Klein bottle
Added on 2016-02-16

The figure 8 Klein bottle
The less-known form of the Klein bottle...
Added on 2016-02-16

Multiple Klein bottles
Linked Klein bottles. Note that the numb
needs to be uneven in order to have a
surface.
Added on 2016-02-16

From an octagon to a genus 2 surface
An octagon can be bent into a genus two surface (a surface with two holes) by joining the sides with the same colour..
Added on 2016-02-16

From a 16-gon to a genus 4 su
A polygon with 16 sides can be formed
surface, a surface with 4 holes.
Added on 2016-02-16

From a 40-gon to a genus 10 surface.
A polygon with 40 edges can be bent into a genus 10 surface (a surface with 10 holes).
Added on 2016-02-16

The real projective plane and t
strip
The real projective plane minus a disc i
strip.
Added on 2016-02-18

The cross-cap.
The construction of the cross-cap.
Added on 2016-02-17

The Boy surface
The construction of a Boy surface.
Added on 2016-02-17

Moebius strip and cross-cap
Visual proof that a Moebius strip is homeomorphic to a cross-cap with a disc removed.
Added on 2016-03-01

The Klein Quartic II
The transition from a hyperbolic 14-gon
surface, while preserving the tiling by 2
Added on 2016-02-16

Connected sum of two real projective planes
Visual proof that the connected sum of two real projective planes is a Klein bottle.
Added on 2016-02-18

Connected sums of real proje
and torus or Klein bottle.
Visual proof that the connected sum of
projective plane and a torus , and the c
of a real projective plane and a Klein bo
homeomorphic.
Added on 2016-02-20

Dodecahedral tesselation of the hypersphere
A dissection of the 120 cell in twelve rings of 10 dodecahedra. Two sets of six rings form 2 solid interlocked tori. The film starts by showing the 600 cell, the dual of the 120 cell.
Added on 2016-02-21

The Klein Quartic I
How this hyperbolic tiling can be folded
surface.
Added on 2016-02-16

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