LABORATORIO DE ANATOMÍA ANIMAL

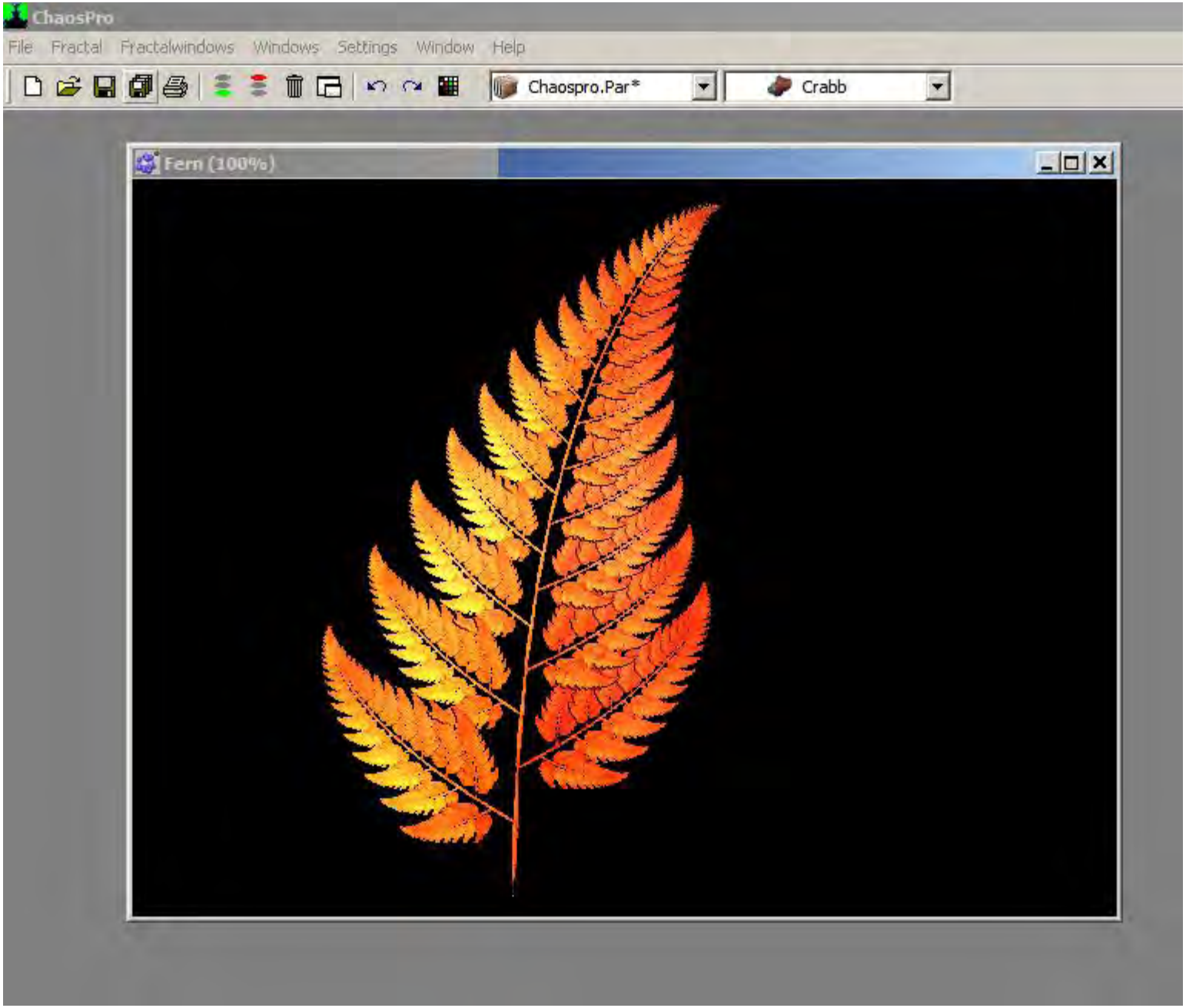
INGENIERIA INVERSA APLICADA A LA ANATOMÍA ANIMAL

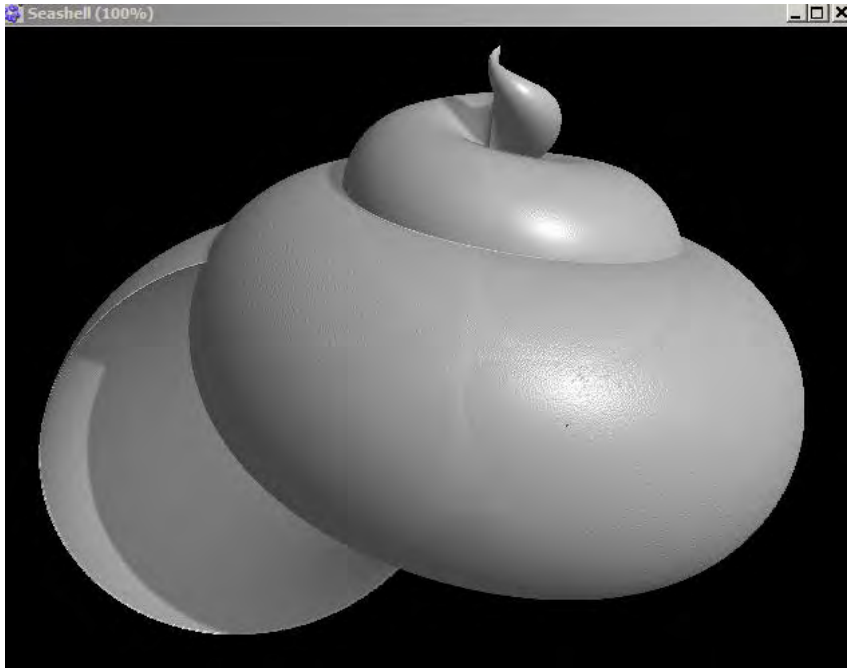
M O O C

14.-Fractales

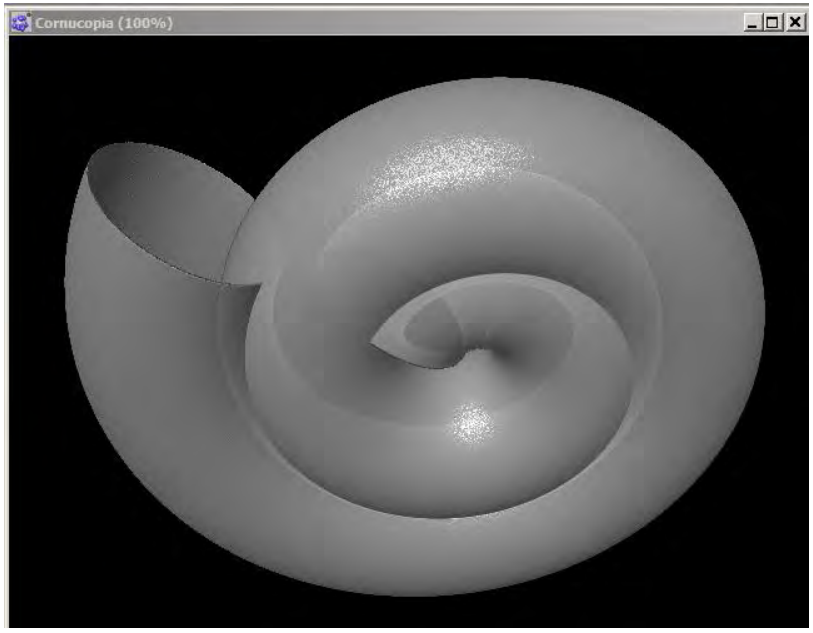
Un fractal es un objeto geométrico cuya estructura básica, fragmentada o irregular, se repite a diferentes escalas

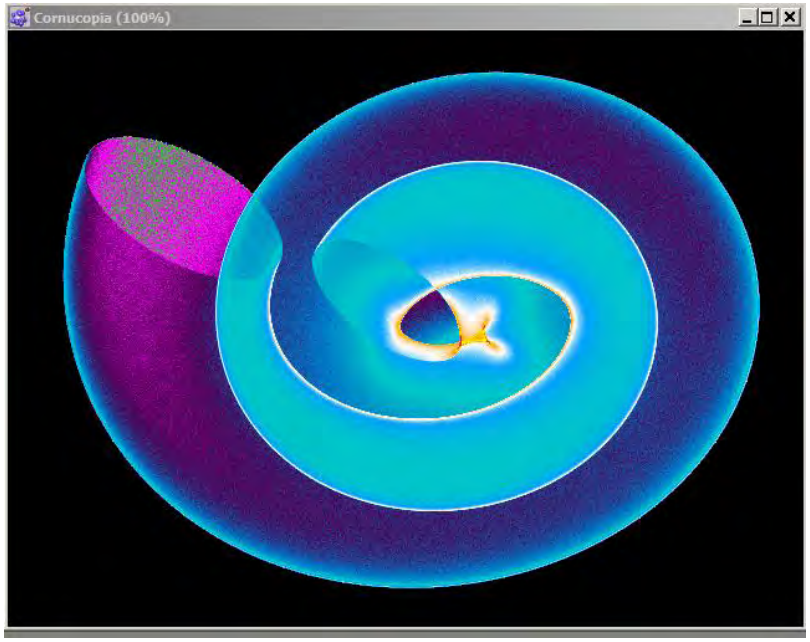
http://www.chaospro.de/download.php

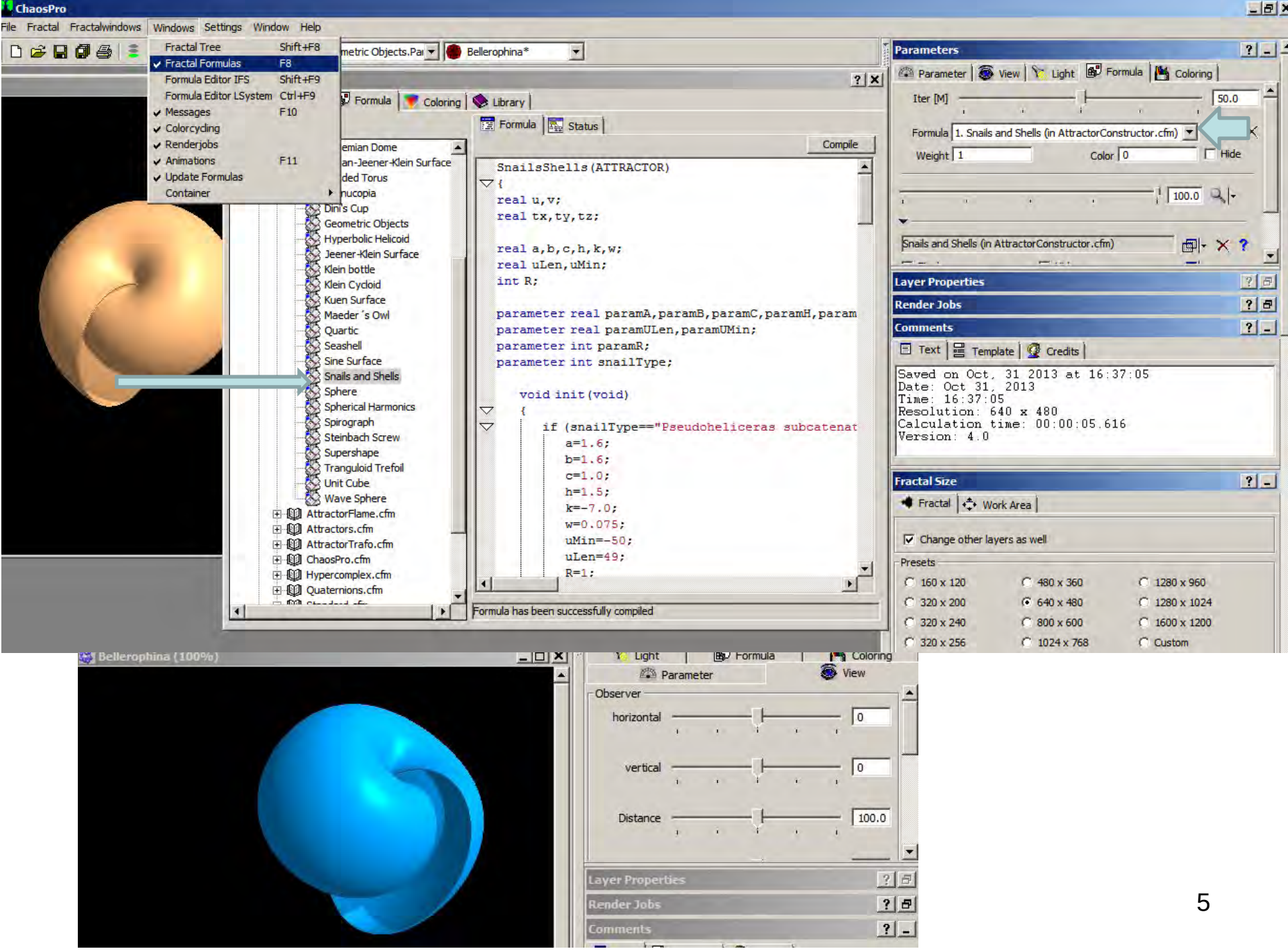

ChaosPro
File Fractal Fractalwindows Windows Settings Window Help
Chaospro.Par*
Crabb
Fern (100%)

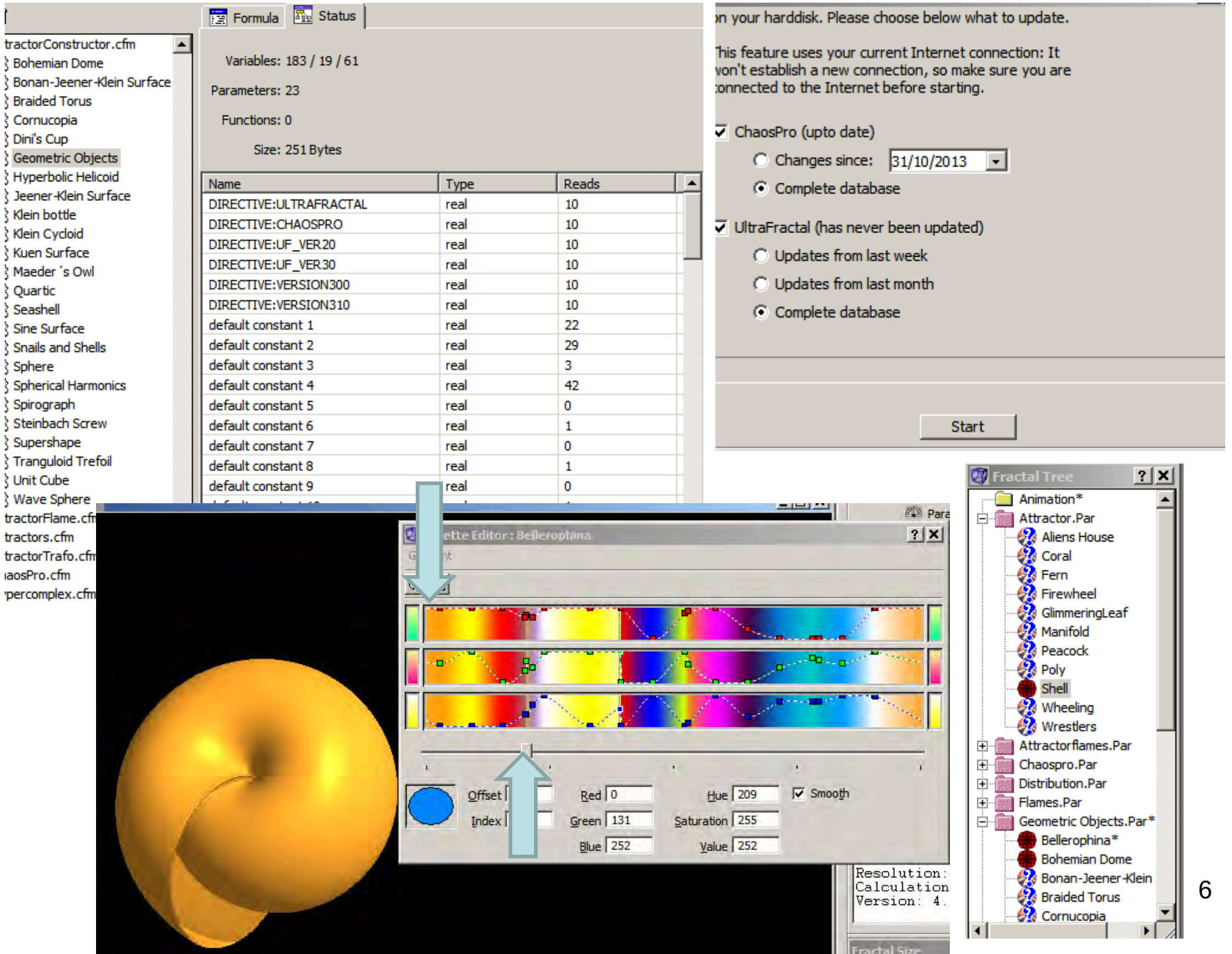


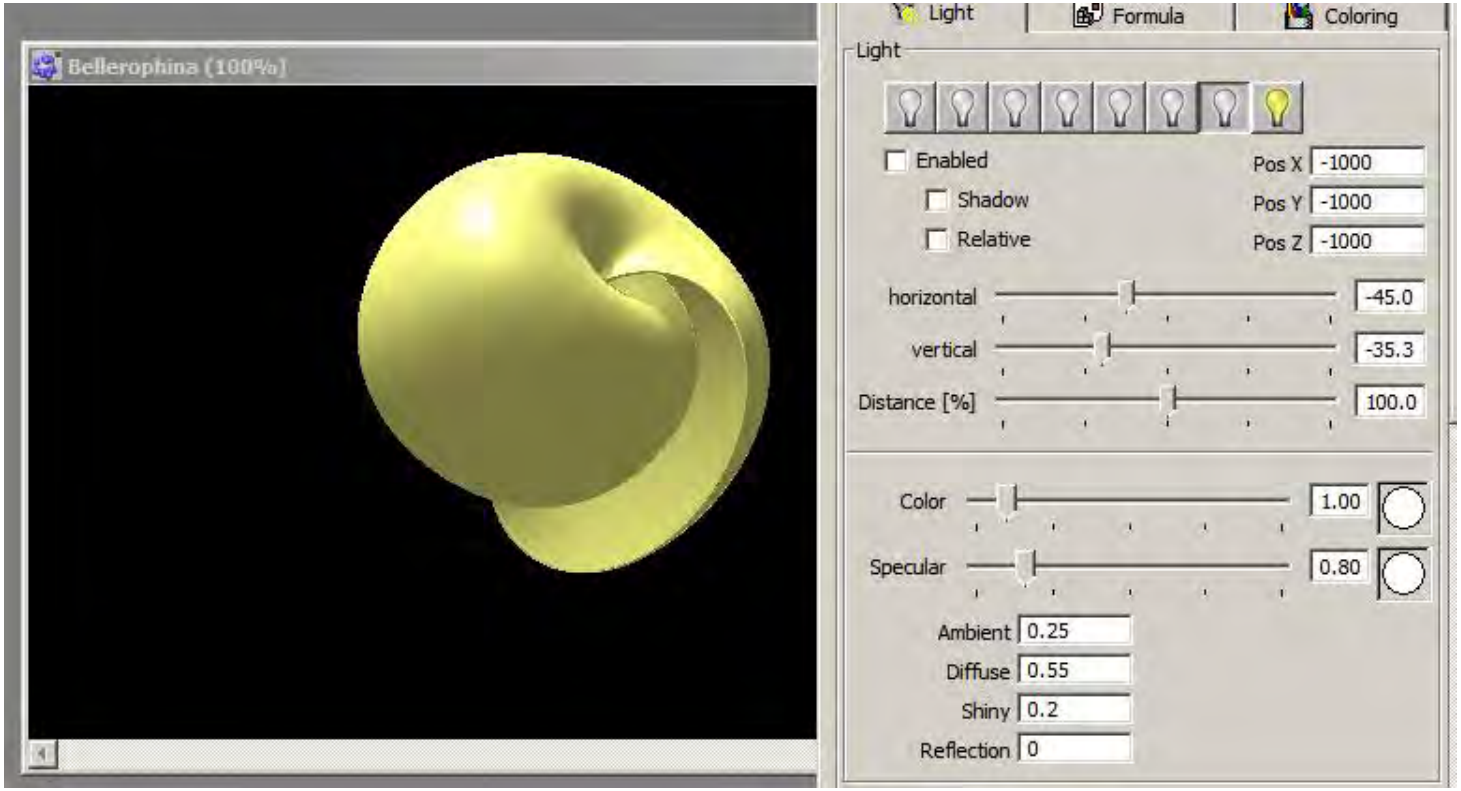
Las conchas de mar son un gran ejemplo de la estructura fractal en la naturaleza

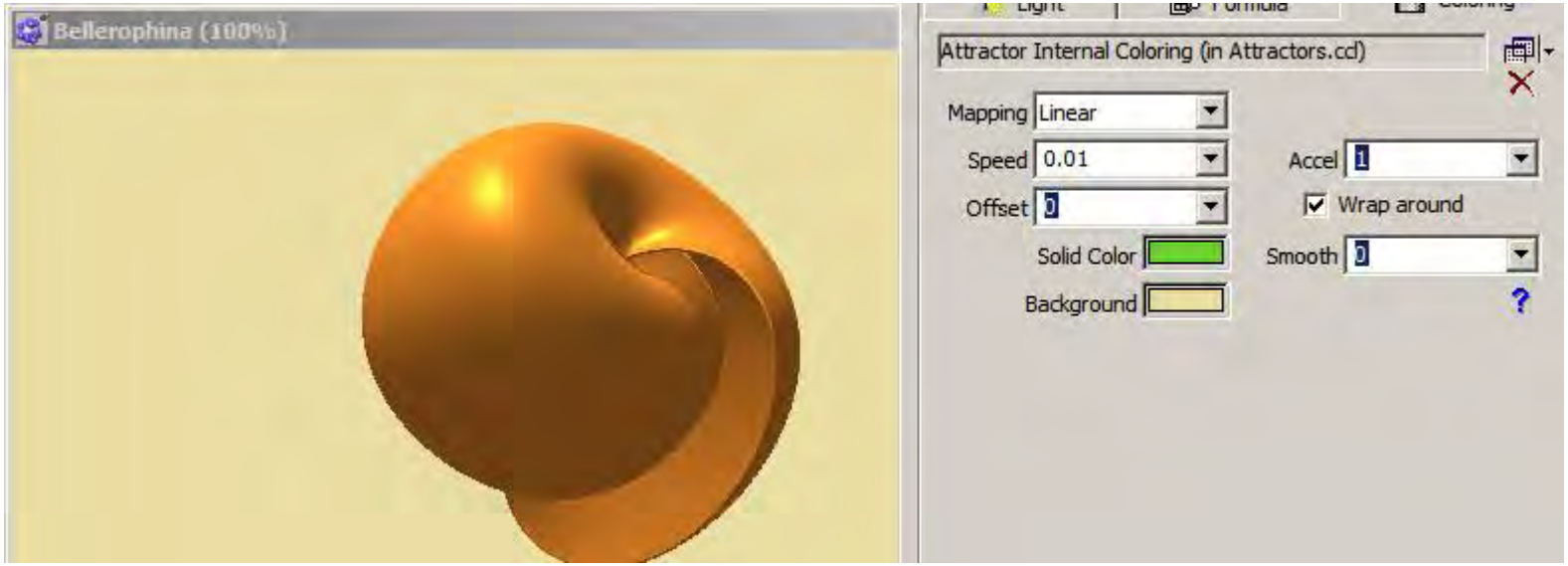


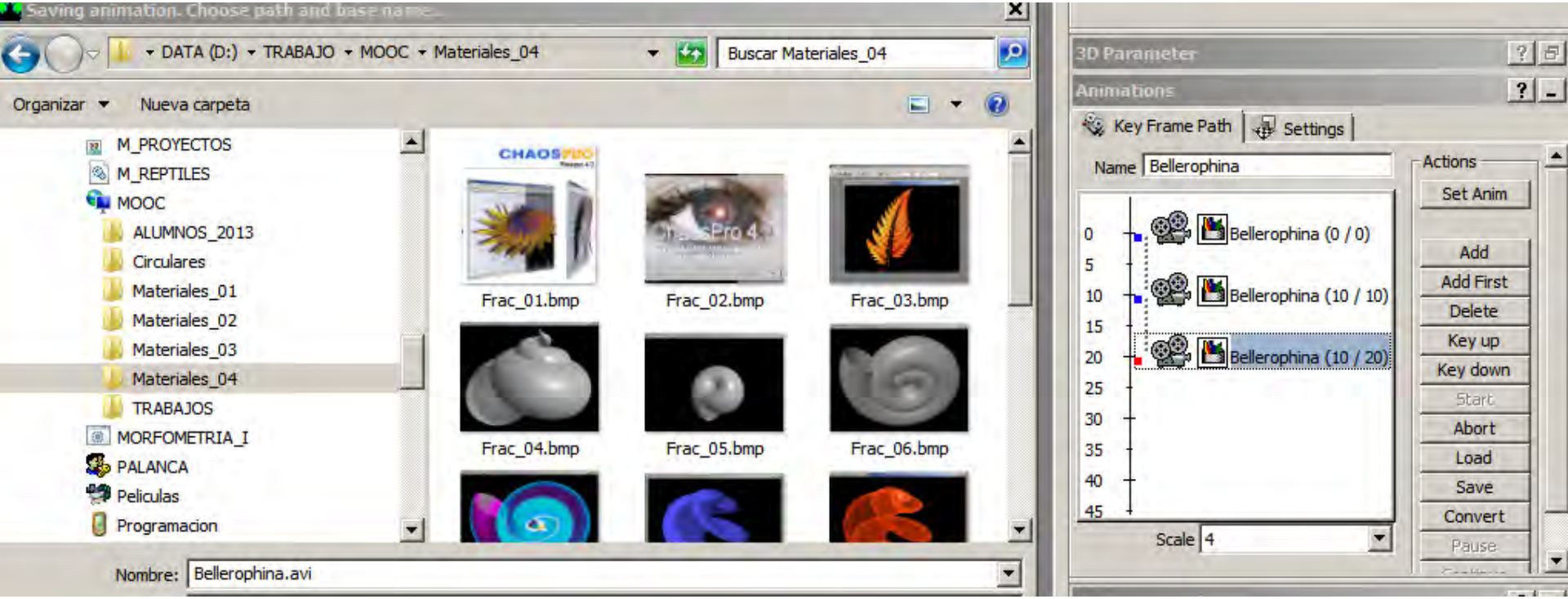


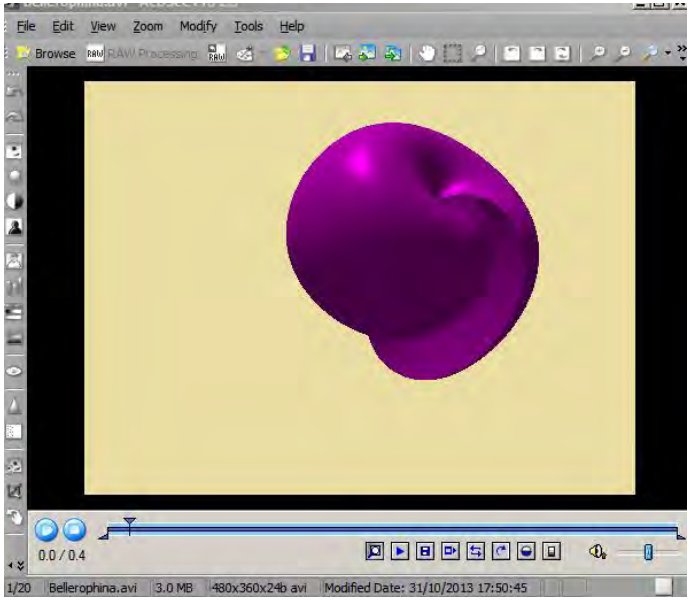

ChaosPro
File Fractal Fractalwindows Windows Settings Window Help
Fractal Tree Shift+F8
Fractal Formulas F8
Formula Editor IFS Shift+F9
Formula Editor LSystem Ctrl+F9
Messages F10
Colorcycling
Renderjobs
Animations F11
Update Formulas
Container
Bellerophina*
Formula Coloring Library
Formula Status
Compile
Dini's Cup
Geometric Objects
Hyperbolic Helicoid
Jeener-Klein Surface
Klein bottle
Klein Cycloid
Kuen Surface
Maeder 's Owl
Quartic
Seashell
Sine Surface
Snails and Shells
Sphere
Spherical Harmonics
Spirograph
Steinbach Screw
Supershape
Tranguloid Trefoil
Unit Cube
Wave Sphere
AttractorFlame.cfm
Attractors.cfm
AttractorTrafo.cfm
ChaosPro.cfm
Hypercomplex.cfm
Quaternions.cfm
SnailsShells(ATTRACTOR)
{
real u,v;
real tx,ty,tz;
real a,b,c,h,k,w;
real uLen,uMin;
int R;
parameter real paramA,paramB,paramC,paramH,param
parameter real paramULen,paramUMin;
parameter int paramR;
parameter int snailType;
void init(void)
{
if (snailType=="Pseudoheliceras subcatenat
a=1.6;
b=1.6;
c=1.0;
h=1.5;
k=-7.0;
w=0.075;
uMin=-50;
uLen=49;
R=1;
Formula has been successfully compiled
Parameters
Parameter View Light Formula Coloring
Iter [M] 50.0
Formula 1. Snails and Shells (in AttractorConstructor.cfm)
Weight 1 Color 0 Hide
100.0
Snails and Shells (in AttractorConstructor.cfm)
Layer Properties
Render Jobs
Comments
Text Template Credits
Saved on Oct, 31 2013 at 16:37:05
Date: Oct 31, 2013
Time: 16:37:05
Resolution: 640 x 480
Calculation time: 00:00:05.616
Version: 4.0
Fractal Size
Fractal Work Area
Change other layers as well
Presets
160 x 120
320 x 200
320 x 240
320 x 256
480 x 360
640 x 480
800 x 600
1024 x 768
1280 x 960
1280 x 1024
1600 x 1200
Custom
Bellerophina (100%)
Light Formula Coloring
Parameter View
Observer
horizontal 0
vertical 0
Distance 100.0
Layer Properties
Render Jobs
Comments

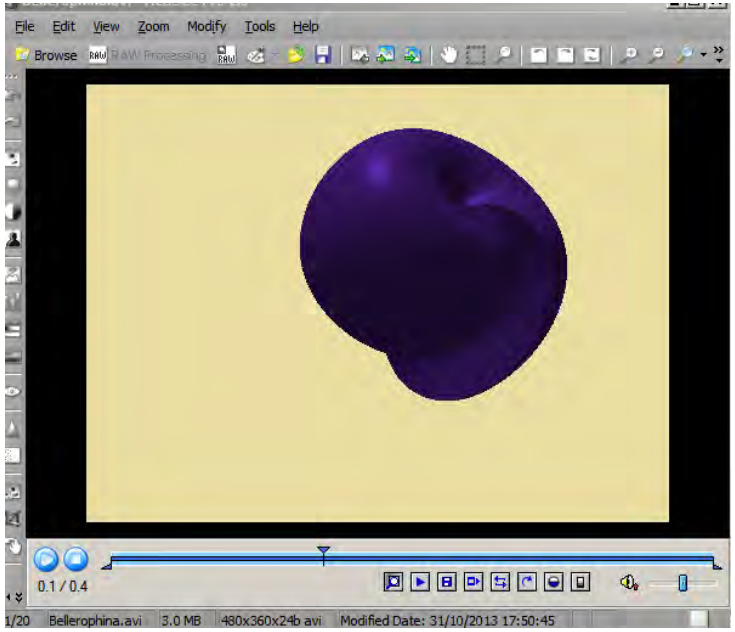

Formula
Status
tractorConstructor.cfm
Bohemian Dome
Bonan-Jeener-Klein Surface
Braided Torus
Cornucopia
Dini's Cup
Geometric Objects
Hyperbolic Helicoid
Jeener-Klein Surface
Klein bottle
Klein Cycloid
Kuen Surface
Maeder´s Owl
Quartic
Seashell
Sine Surface
Snails and Shells
Sphere
Spherical Harmonics
Spirograph
Steinbach Screw
Supershape
Tranguloid Trefoil
Unit Cube
Wave Sphere
tractorFlame.cfm
tractors.cfm
tractorTrafo.cfm
aosPro.cfm
percomplex.cfm
Variables: 183 / 19 / 61
Parameters: 23
Functions: 0
Size: 251 Bytes
Name
Type
Reads
DIRECTIVE:ULTRAFRACTAL real 10
DIRECTIVE:CHAOSPRO real 10
DIRECTIVE:UF_VER20 real 10
DIRECTIVE:UF_VER30 real 10
DIRECTIVE:VERSION300 real 10
DIRECTIVE:VERSION310 real 10
default constant 1 real 22
default constant 2 real 29
default constant 3 real 3
default constant 4 real 42
default constant 5 real 0
default constant 6 real 1
default constant 7 real 0
default constant 8 real 1
default constant 9 real 0
n your harddisk. Please choose below what to update.
This feature uses your current Internet connection: It won't establish a new connection, so make sure you are connected to the Internet before starting.
ChaosPro (upto date)
Changes since: 31/10/2013
Complete database
UltraFractal (has never been updated)
Updates from last week
Updates from last month
Complete database
Start
ette Editor : Bellerophina
Offset
Index
Red 0
Green 131
Blue 252
Hue 209
Saturation 255
Value 252
Smooth
Resolution:
Calculation
Version: 4.
Fractal Tree
Animation*
Attractor.Par
Aliens House
Coral
Fern
Firewheel
GlimmeringLeaf
Manifold
Peacock
Poly
Shell
Wheeling
Wrestlers
Attractorflames.Par
Chaospro.Par
Distribution.Par
Flames.Par
Geometric Objects.Par*
Bellerophina*
Bohemian Dome
Bonan-Jeener-Klein
Braided Torus
Cornucopia


Bellerophina (100%)
Light
Formula
Coloring
Light
Enabled
Shadow
Relative
Pos X -1000
Pos Y -1000
Pos Z -1000
horizontal -45.0
vertical -35.3
Distance [%] 100.0
Color 1.00
Specular 0.80
Ambient 0.25
Diffuse 0.55
Shiny 0.2
Reflection 0


Bellerophina (100%)
Attractor Internal Coloring (in Attractors.cd)
Mapping Linear
Speed 0.01
Accel 1
Offset 0
Wrap around
Solid Color
Smooth 0
Background


Saving animation. Choose path and base name...
DATA (D:) ▸ TRABAJO ▸ MOOC ▸ Materiales_04
Buscar Materiales_04
Organizar
Nueva carpeta
M_PROYECTOS
M_REPTILES
MOOC
ALUMNOS_2013
Circulares
Materiales_01
Materiales_02
Materiales_03
Materiales_04
TRABAJOS
MORFOMETRIA_I
PALANCA
Peliculas
Programacion
Frac_01.bmp
Frac_02.bmp
Frac_03.bmp
Frac_04.bmp
Frac_05.bmp
Frac_06.bmp
Nombre: Bellerophina.avi
3D Parameter
Animations
Key Frame Path
Settings
Name Bellerophina
Actions
Set Anim
Add
Add First
Delete
Key up
Key down
Start
Abort
Load
Save
Convert
Pause
Bellerophina (0 / 0)
Bellerophina (10 / 10)
Bellerophina (10 / 20)
Scale 4


File Edit View Zoom Modify Tools Help
Browse
0.0 / 0.4
1/20 Bellerophina.avi 3.0 MB 480x360x24b avi Modified Date: 31/10/2013 17:50:45


File Edit View Zoom Modify Tools Help
Browse
0.1 / 0.4
1/20 Bellerophina.avi 3.0 MB 480x360x24b avi Modified Date: 31/10/2013 17:50:45