Legend of the Bamboo King

The Bamboo King

My house is surrounded by bamboo patches for my work. People believe that Bamoboo blooms every hundred year. When they bloom , they make seeds and die.
The first bamboo grown from the seed is called Parent Bamboo. Among the Parent Bamboo, the Strongest and Biggest is called Bamboo King. People believe that Bamboo King lives more than one hundred years. If they cut Bamboo King , all the bamboo in the forest dies. The bamboo which I used for this work is not Bamboo King, but I express the respect for the legend of bamboo with this work.

About the Theme of My Works

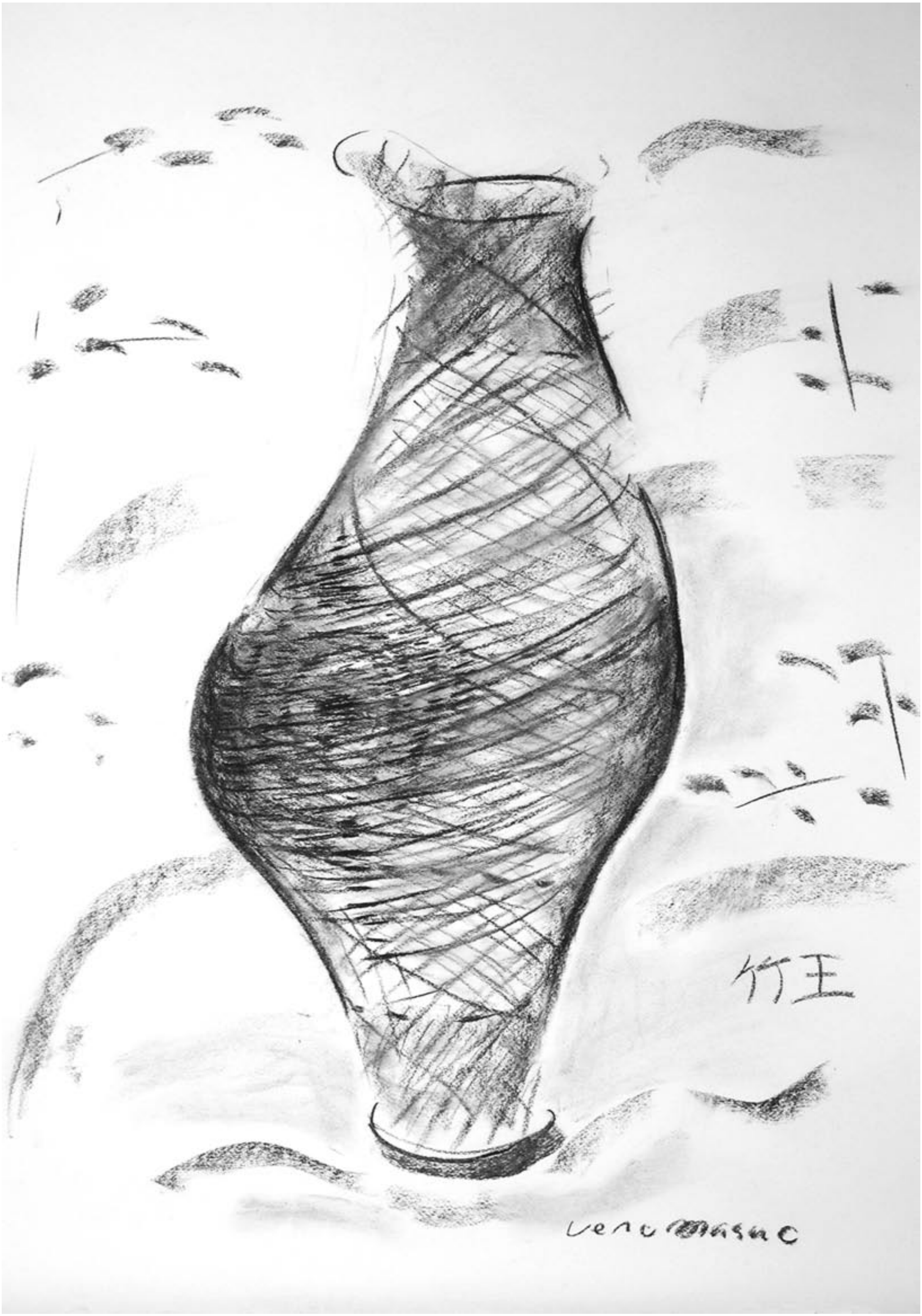
I live in the countryside of Japan. I like the nature around my house including my bamboo patches. As I always find a theme for my work from my daily life, and to have a good relation with the nature and culture around me is inportant for me. My thema is always about them.

Using Mac and Mathematics

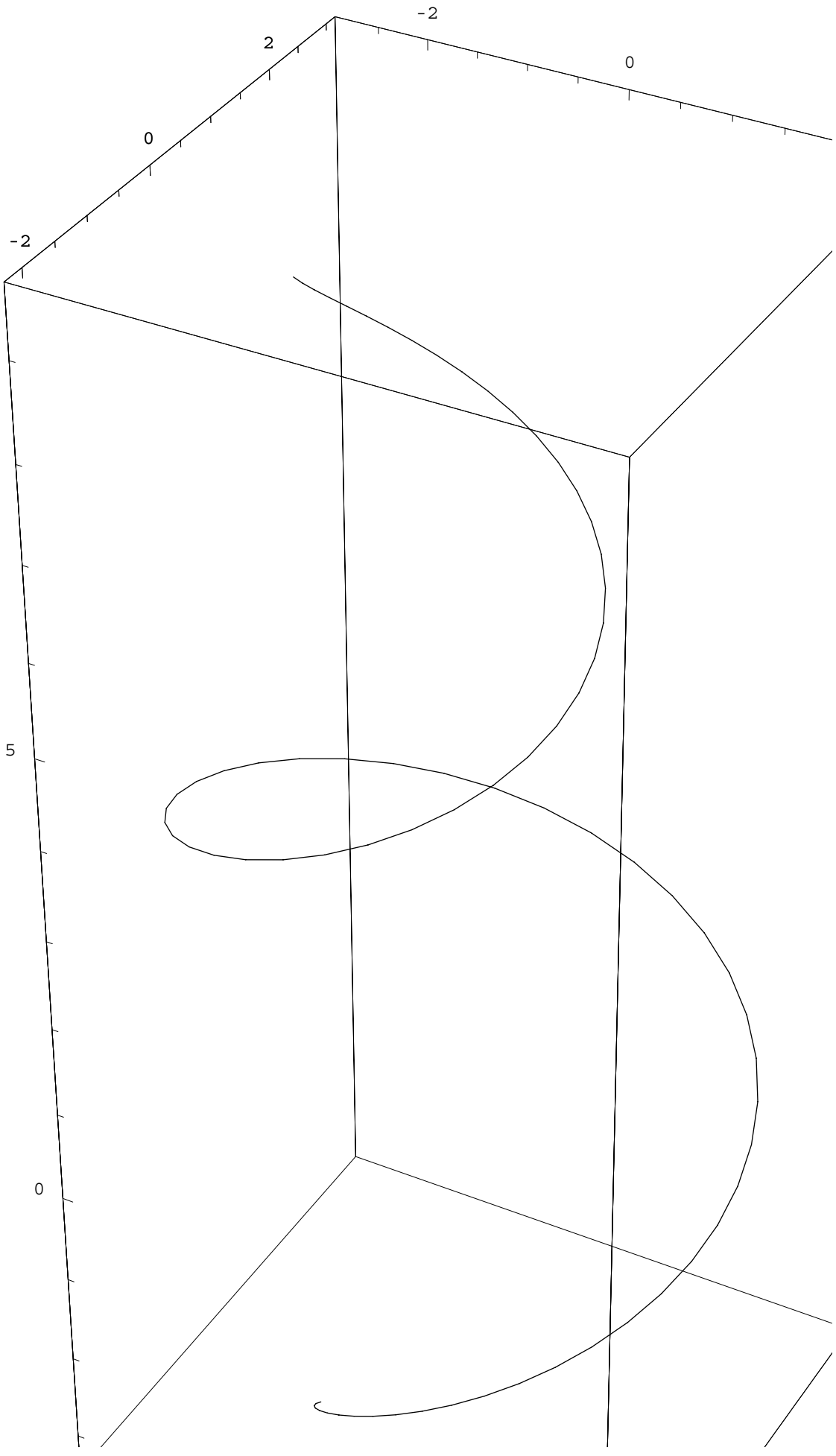
As I studied Architecture, I use Computer and Mathematics. To use Mac is a part of my daily life to check email and music for my ipod. So to use computer for my work is natural for me. If you concentrate too mutch to Computer and Mathematics to understand my works, you can not understand the reality of my works. Computer and mathematics doesn't make any kind of images by itself. I just have a skill to use them as a useful tools.

Drawing

I always start from drawing a line on B1 Watson paper. Series of line make a volume. This is my basic concept for volume. As a these volume have a slit between the lines., the structure let the light and air invade into the inside as a textile arts. So these surface is a little bit soft and familiar to the environment around themselves. This is important part for my works.

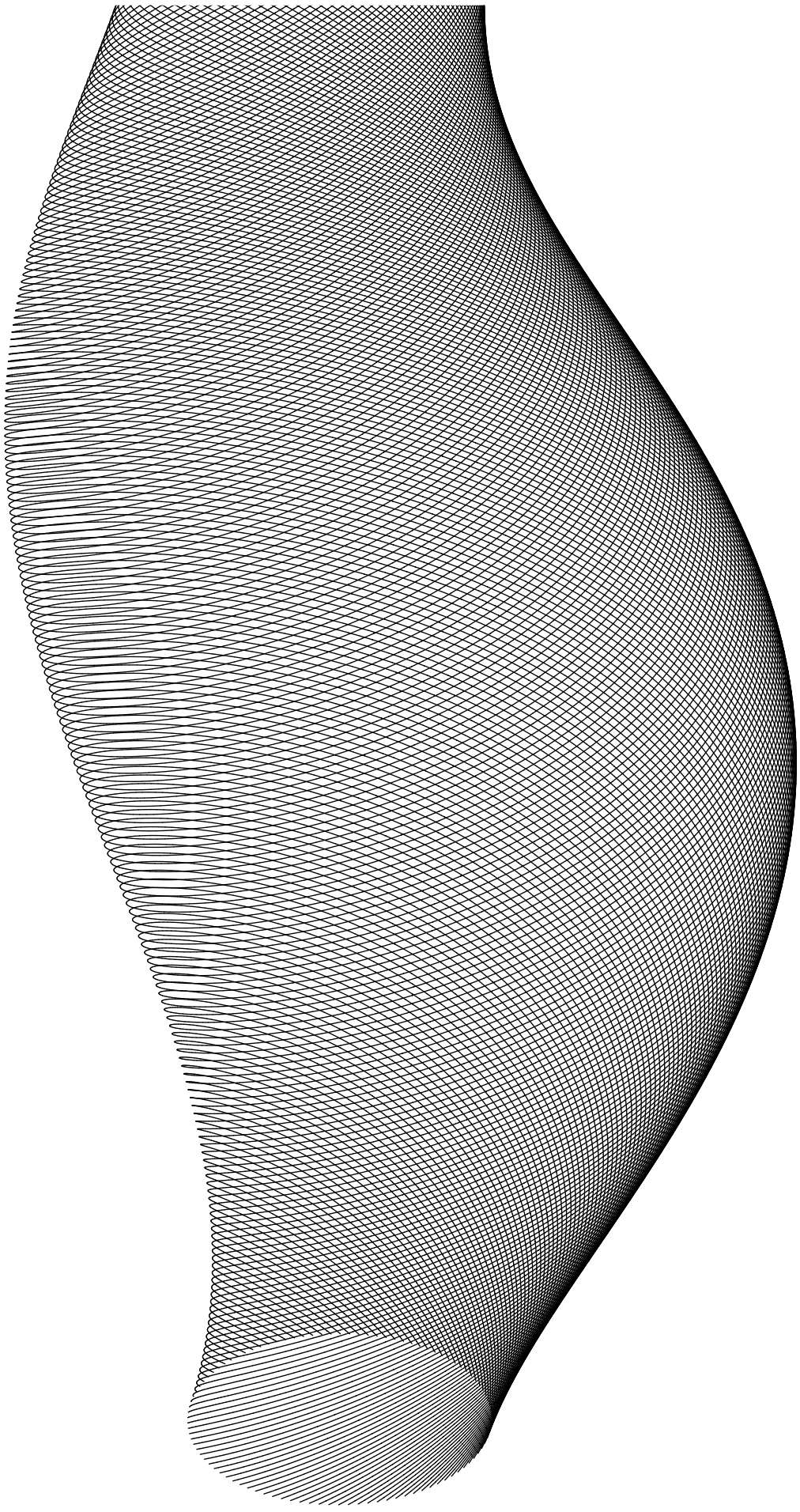

竹王

According to the drawing , I design a single line to make volume.



In[13]:=
```
(* a simgle line *)
ParametricPlot3D[{(2 + 0.8 Sin[t]) Cos[2 t] + .6 Cos[t],
  (2 + 0.8 Sin[t]) Sin[2 t] + .6 Sin[t], 2 t}, {t, -Pi / 2, 3 Pi / 2}];
```

H u n d r e d l i n e s m a k e s a v o l u m e .

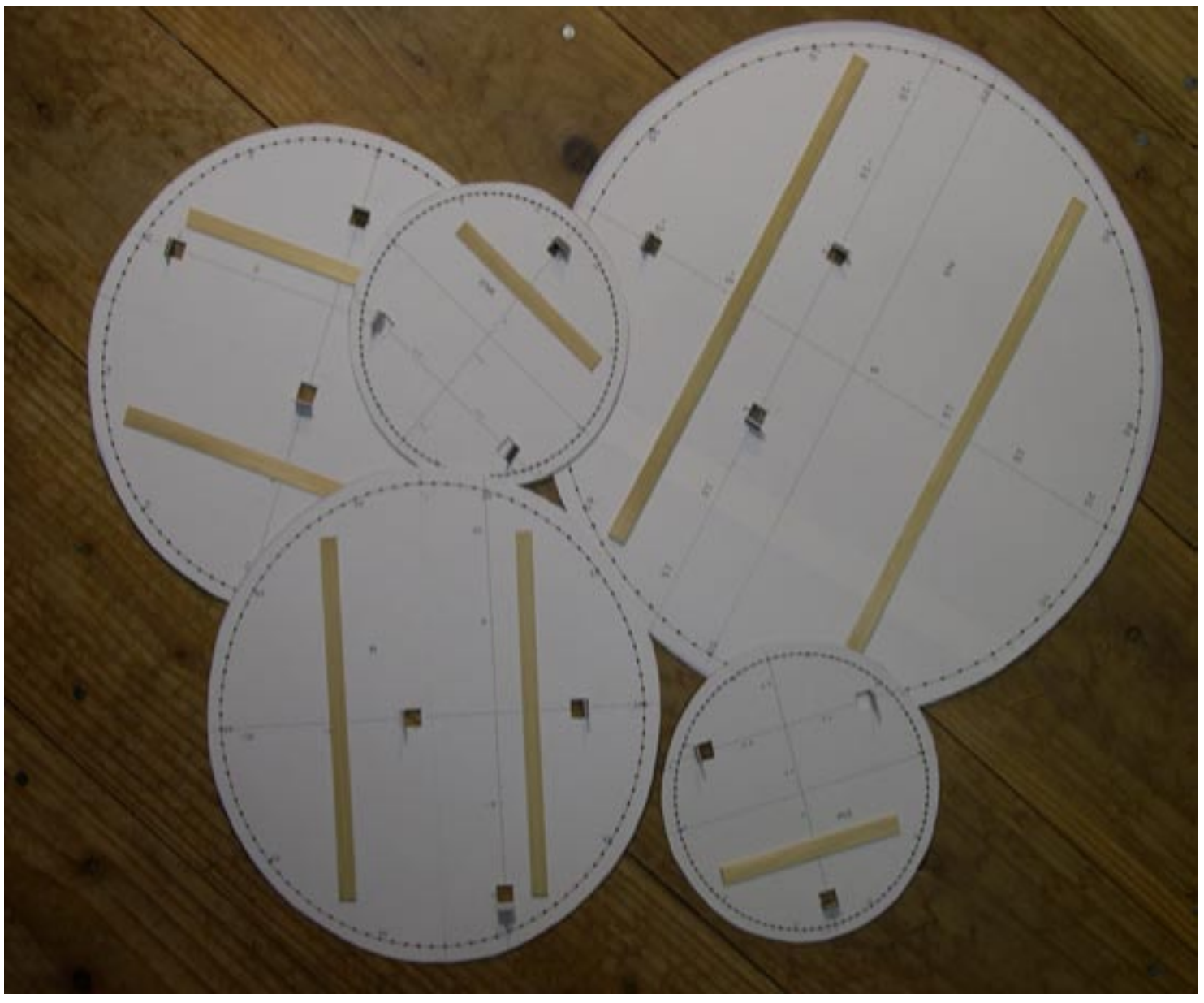


```
In[14]:= (* 100 lines *)
         a = Table[Table[{(2 + 0.8 Sin[t]) Cos[2 t + u] + .6 Cos[t],
             (2 + 0.8 Sin[t]) Sin[2 t + u] + .6 Sin[t], 2 t}, {t, -Pi / 2, 3 Pi / 2, Pi / 180}],
           {u, 0, 2 Pi, Pi / 50}];

In[15]:= b = Map[Line, a];

In[16]:= Show[Graphics3D[b], ViewPoint -> {1.3, -2.400, 1.300}, Boxed -> False];
```

The bamboo growm up at my bamboo patch was processed two years ago, and kept in the attic of my house.
Each time to choose the bamboo is most important process for my work.

The bamboo is divided into hundred stripes and trimed with traditinal tools.

Bamboo stripes are numbered from 1 to100 and bent for next step.



The parts for the maquette are printed from the original imput for this worK.

Maquette for Bamboo King

Bamboo stripes are attached to the maquette by cotton strings.

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photograph ueno masao.　©ueno masao
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