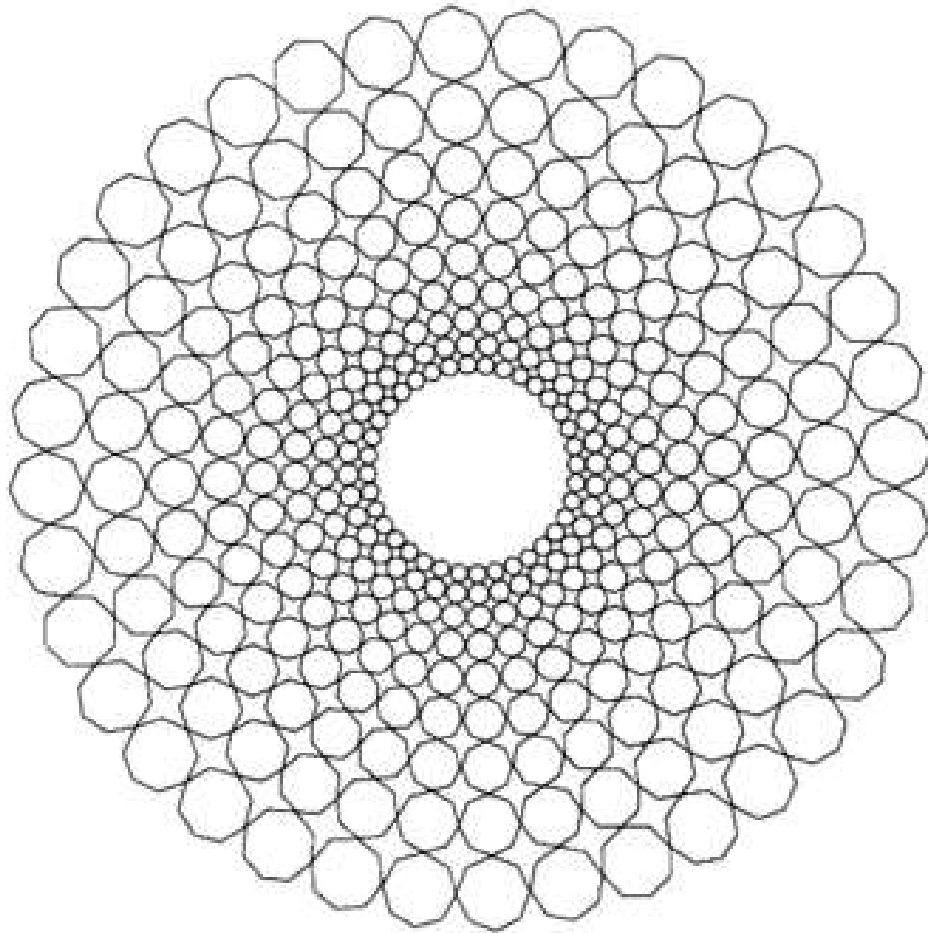


# OCTOGONAL WELL

Donald K. Robbins



This artwork is kind of a minimalist one. There's not a lot of elements. This artwork is made of octagon that are all reunited to form a circle. These octagon are all made with a thin black outline. It gives the impression that they are all attached to eachother.

I chose this artwork for its simplicity. I found this form quite relaxing to watch and I thought the algorithm behind it might be interesting to understand. Also it has made me think of a rose window drawings, as the ones we liked to color younger.

Year : 1969

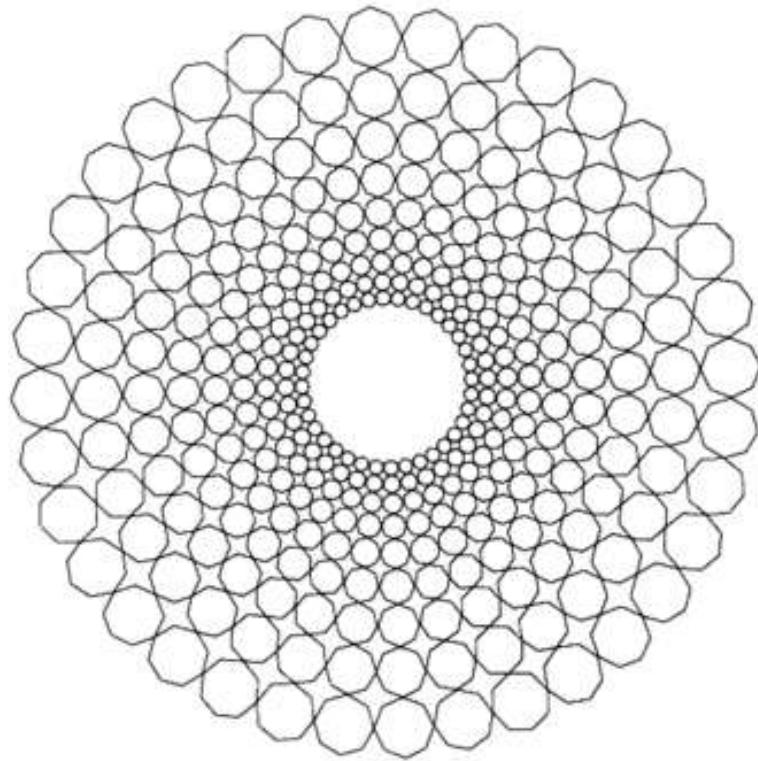
Material : drawing, computer generated

Type : drawing

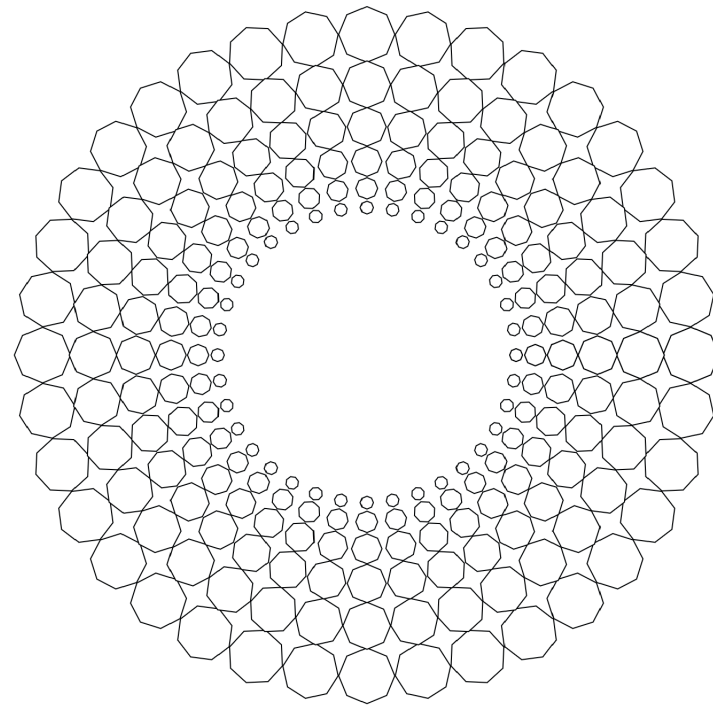
[https://github.com/Elisegdg/P5\\_project](https://github.com/Elisegdg/P5_project)

## Pseudo-code :

First draw an octagon composed of 8 segments. Then, using degree system, draw an octagon every 10 degrees until 360 with a rotation each times to create your first big circle. You do exactly the same by just changing your octagon sizes to create the rest of the circles.



**Original**



**Recoding**

As you can see, the work is not exactly the same. I struggled a little bit with the size of the octagons and of all the circles because the dimensions of the artworks are not precised.

## Project extension :

To go further, I chose to create an interaction with the user. The circles are animated and the user can choose the radius of the octagons and the number of circles by the control panel. I also added some gradient colors to remind the rose window.

Furthermore, when the user press continuously any key, it creates another animation.

Here it is some pictures of the obtained visual but in order to helps you to better understand , I have put a video in the git repository.

