

Project Name : Project A: 3D-Dna-Like Model

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## User's Guide

This project's goal to display a DNA-like Model which could be viewed from any angle and could be zoomed in and out.

There are 2 other files in this folder. One .js file and one .html file. To run the program, you need use your browser which support "canvas" to open the ".html" file successfully. Having opened the html, you could see a brief instruction on the bottom area of the page, which will help you to control the DNA-like object. Here are the details:

Control Zooming: Press "W" on the keyboard to zoom in.

Press "S" to zoom out.

Control view angle: Use the mouse to drag the object to Change angle.

Control spinning speed: Press "A" to slow down ;

Press "D" to accelerate; (USE anti-clockwise as positive direction)

Control start/stop: Use "Space" to start/stop spinning.

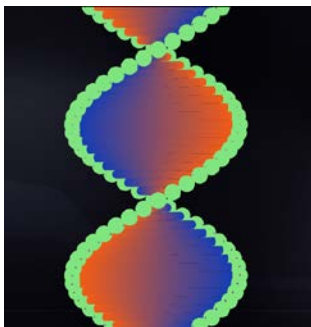
Control pad : It's on the up-right corner. The "tremble" choice could make the object begin

trembling; The Mode choice: Mode\_1: Normal DNA-like object;

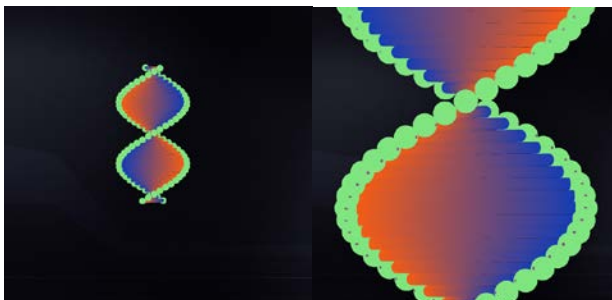
Mode\_2: Twisted DNA-like object;

## Results

1.Normal DNA-like object is spinning.



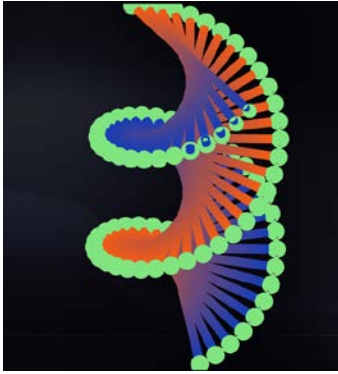
2.After zoom out/in



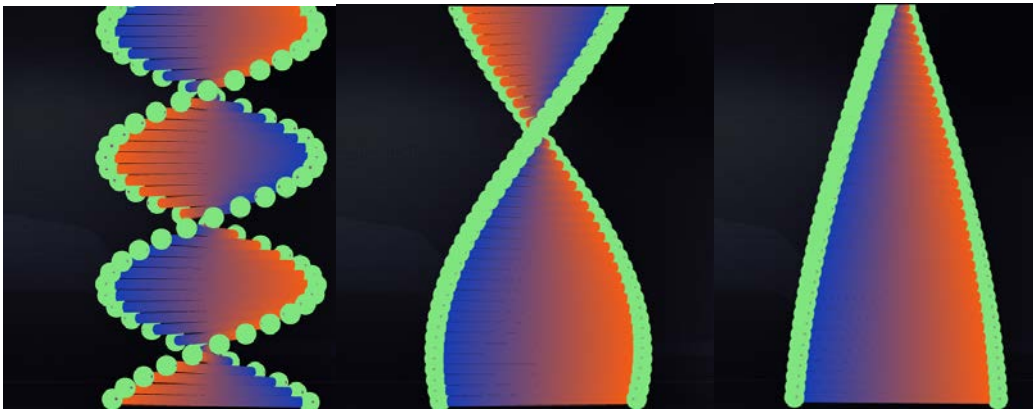
(zoomed out)

(zoomed in)

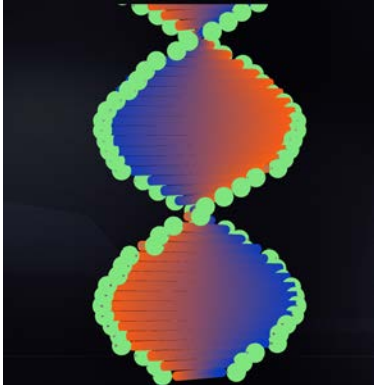
3.Change view angle



4. Twisting DNA-like Object(Changing)



5.Trembling DNA



6.Press 'I' to get help command.

