Project 1: DNA origami design

ER02

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Abstract

Use CadNano and CanDo to design an Origami.

Getting the softwares. First, you will need the following softwares:

1. Register for free as a student to get a license for `Maya 2015` at:

    http://www.autodesk.com/education/free-software/maya

    Then, download the `Maya 2015` software from either AutoDesk or the USB key.

2. Download `cadnano` from:

    http://cadnano.org/license.htm#download

3. Register for free to use `CanDo` at:

    http://cando-dna-origami.org/registration/

The project: Design a DNA origami. Pick your favorite "pixelized" shape and design it as a DNA Origami. You might take inspiration from:

http://www.dna.caltech.edu/Papers/DNAorigami-nature.pdf

1. Design your 2D DNA origami using `cadnano`

2. Check your design using `CanDo` (is it flat?)

3. Repeat 1.-2. until it is flat

4. Add some 3D stuff to your DNA origami!