Assignment 1 — Static Variations

Develop a sketch that draw a variation upon a design each time it is run. The sketch should consist of a number of variations upon a design. The sketch should use the following features from Processing:

Design Constraints
1. 400x400 static image (no animation, no 3D)
2. Greyscale (no colour but alpha/opacity is allowed)
3. Simple shapes (limit yourself to 1 or 2 types of shapes)
   a. You may use vertices to construct more complex shapes but you should ensure that your overall design is still simple
4. No text (imagery should convey the design message)

Technical Constraints
1. Variables
2. Randomness
3. Conditional statements
4. Loops (optional)
5. Drawing commands

The static image should be created using only the drawing commands available through the Processing environment. No images or vector shapes should be loaded from external files.

Inspiration
Jared Tarbell has produced a number of sketches using Processing that show variations upon a single theme.

http://www.levitated.net/

Assessment Standards
You will be assessed on your ability to use the technical material covered so far in class, to produce aesthetically/conceptually engaging imagery. Designs that explore a interesting theme (whether computational or otherwise) will be judged highly. PASS will be given to students who can show that they are able to produce an image that changes with each run while following the design and
technical constraints above. HIGH DISTINCTION will only be given to students who can demonstrate that they can produce interesting and engaging imagery.

Submission
The assignment submission will be through an online portfolio, instructions for creating this portfolio will be given in class. No submissions will be accepted by e-mail. The assignment submission will include:

1. Three experimental sketches that show development of your idea
2. One final sketch that shows the final version of the your design
3. A description of your sketch, explaining the design concept together with references to inspirational material

Due Date: Monday 6 April (Midnight)
Percentage of Final Mark: 20%