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Programming in the Arts with Processing Due: Tue 3.4.14
Homework 8

Start: Tue 3.4.14
Tue 3.17.14
Goal: A Screen Saver

Course Web Site:

http://www.andrew.cmu.edu/course/60-257/

Assignment:

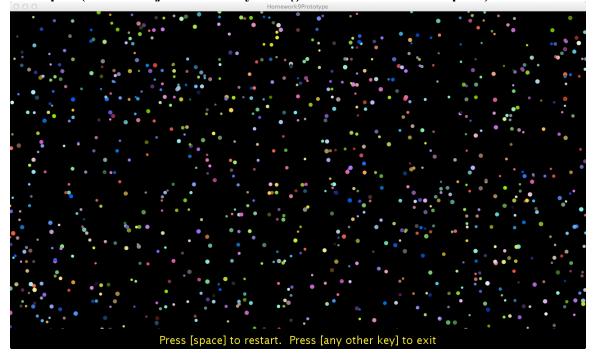
You will write a psudo screen saver that meets the following specifications:

- 1. The program will run in 2D.
- 2. ____ Using arrays to store the necessary data, move figures using a bouncing algorithm.
- 3. The figures must have a reasonable random range of sizes and delta values.
- 4. ____ The initial positions of the figures must be reasonable and away from the edges of the window otherwise they can get "stuck" on the edges.
- 5. ____ The figures must have random colors.
- 6. ____ If the user presses the space bar, the arrays must be reinitialized.
- 7. ____ If the user presses any other key, the program must terminate this will be demonstrated in class be there!
- 8. For Open Processing, dimension the window to **600 X 400**.
- 9. For Handin, dimension the window to

${\tt displayWidth}\ X\ {\tt displayHeight-50}.$

- 10. ____ The figure is up to you but it must be more than a simple ellipse or rectangle.
- 11. The number of figures must be controlled by a constant (final) value.
- 12. An "unpublished" bonus of immense value will be announced in class...

Example: (These are just circles – your figure must be more complex.)



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