

// Star maps.

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// Download software processing for free at: http://www.processing.org
// Click and open software. (unzip program and press icon "processing")
// Save your project file in a folder.
// Write the code below. It is important to write exactly as the text below, otherwise the program will not work.

import processing.pdf.*;
float aa;
PGraphicsPDF pdf;

void setup(){
  size (594,842);background (0); frameRate(100);

  float namn = random (900);
  pdf = (PGraphicsPDF)beginRecord(PDF,namn+".pdf");
  beginRecord(pdf); }

//create black
void draw (){ for (int i=0; i<1; i++){
  aa+=1;
  fill(0);
  rect (0,0,594,842);
  stroke (255);}

//create stars
for (int i=0; i<10; i++){
  fill(226);
  float location = random (3);
  ellipse(random(594), random(842), location, location);}

//take photo
if(aa==1000){
  aa=1;
  endRecord();
  float namn= random(900);
  pdf= (PGraphicsPDF)beginRecord(PDF,namn+".pdf");
  }else{pdf.nextPage();}}

// Press Run (play button) Software.
// The software creates pictures of stars endlessly. (50 pictures per second)
// Quit when you have enough pictures by closing the window on the upper left corner or press esc on your keyboard.
// It is Important that you stop the program since it will continue to create new pictures endlessly or until your
// hard drive is full and your computer crashes.

// In the folder were you saved your file there is now thousands of pictures of endless star maps.
// Choose your best picture and save it.
// Print it and mail it to me and I will write something back to you.
// (Olle Essvik, Slottskogsgatan 64 a, 414 70 Gothenburg, Sweden)
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