

今後のスケジュール

8/24 クロックを設定し，タイマーを使う

第5回 Processingをつかってみる

8/31 AD変換器を使う

第6回 ProcessingからLEDを調光する

9/7 センサーを使う（3回目済み）

第7回 2x2 のled matrixを点灯する

9/14 シリアル通信を使う（4回目済み）

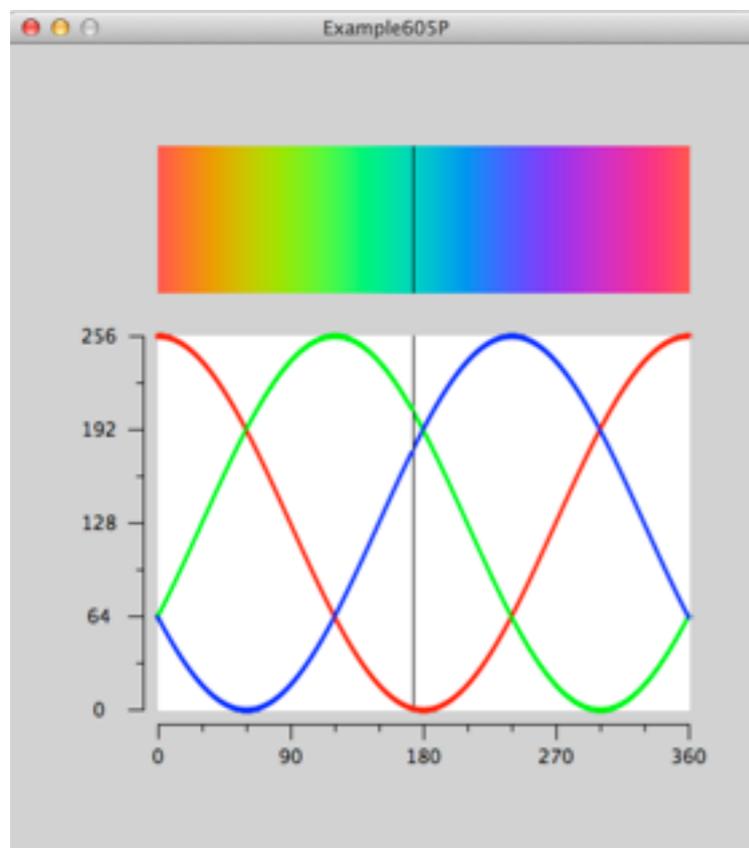
第8回 自由テーマ

今回と次回のご目標

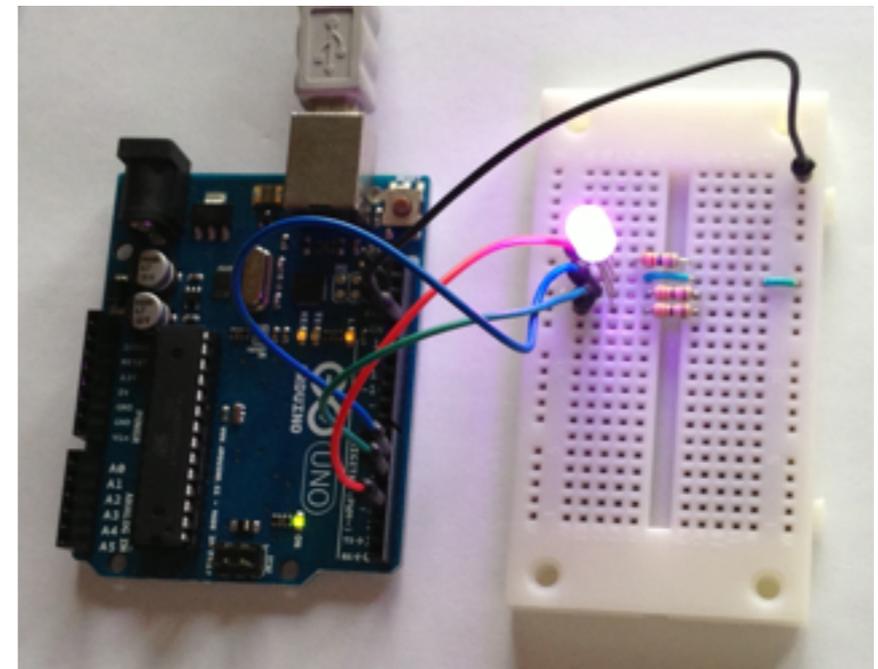
Processingで作った配色をArduinoのLEDに点灯する

- ◎ Processingを「お絵描きソフト」につかう
- ◎ ProcessingとArduinoのシリアル通信

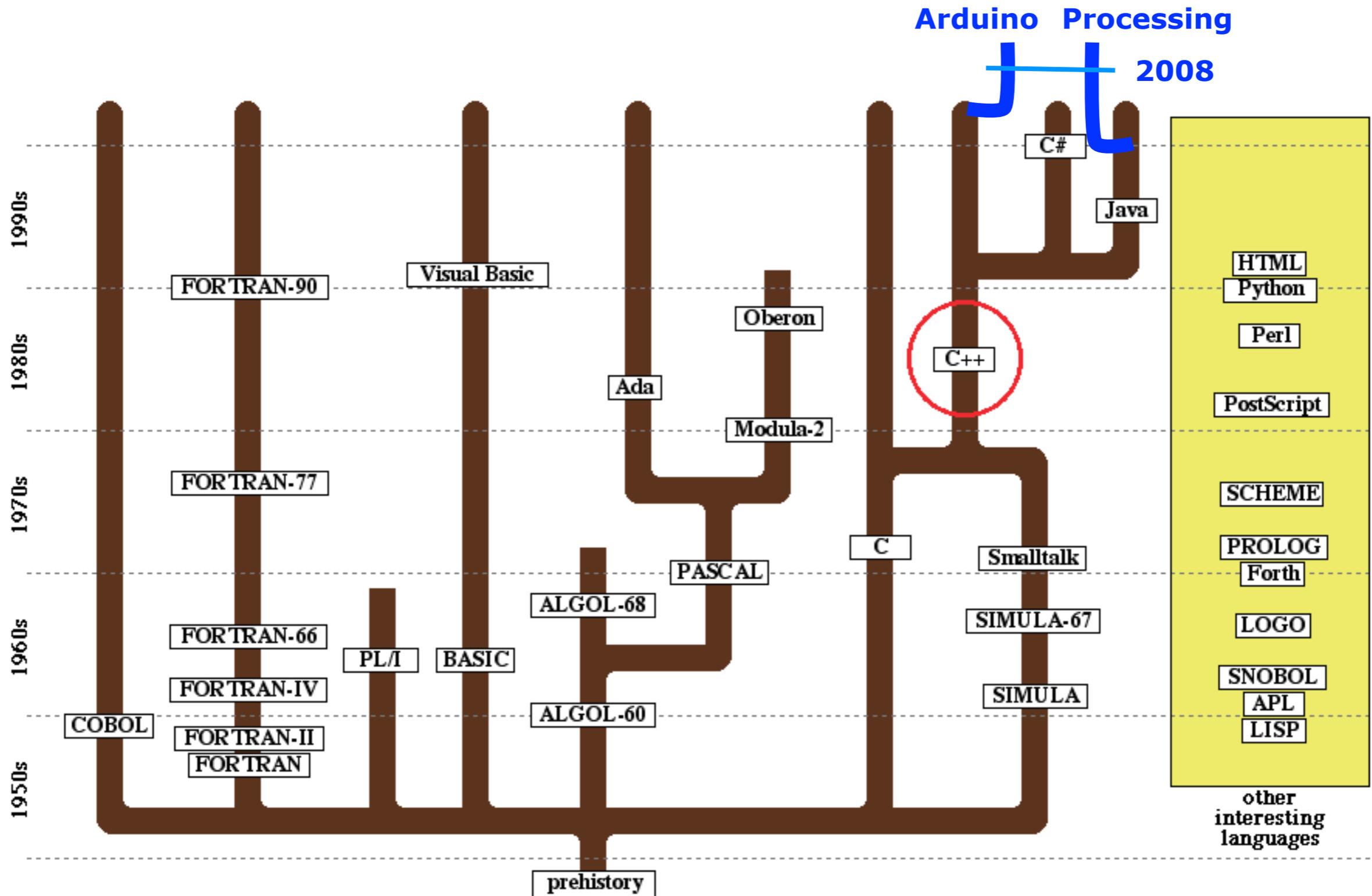
Processing



Arduino

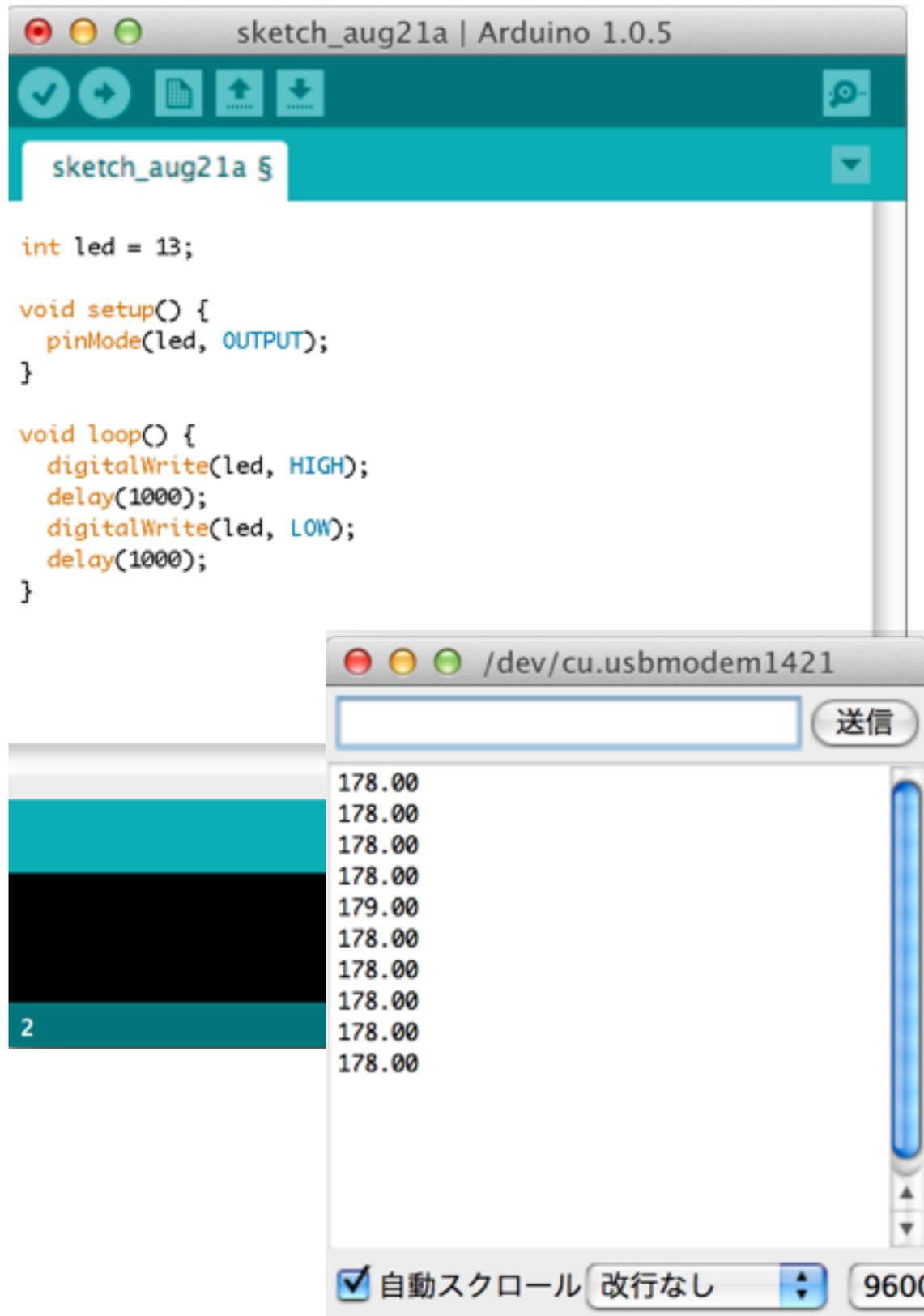


主なプログラミング言語の進化の木



From "Programming Abstractions in C++" by E.S. Roberts and J. Zelenski, 2002

Arduino



The screenshot shows the Arduino IDE interface. The main window displays the following code:

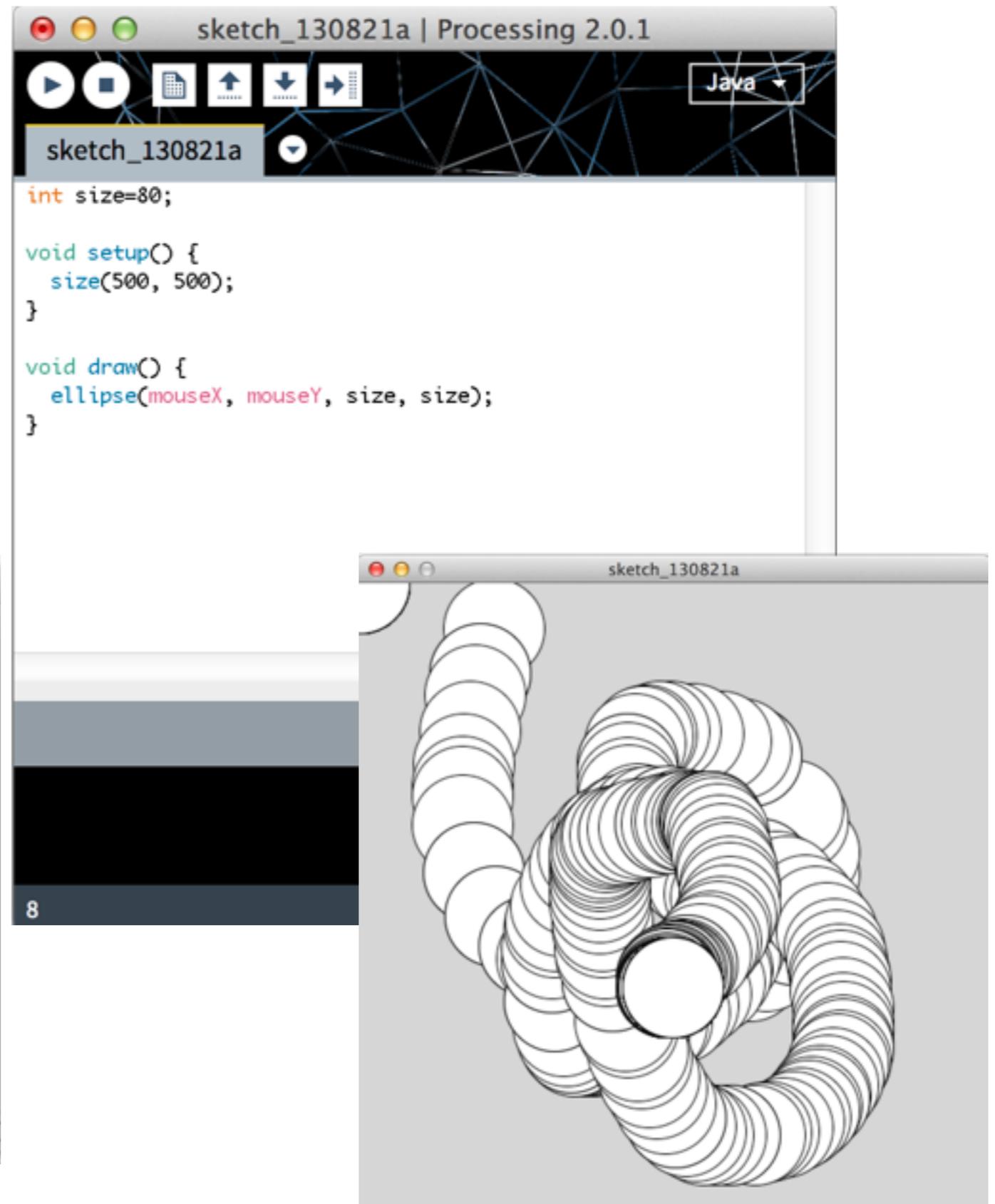
```
int led = 13;

void setup() {
  pinMode(led, OUTPUT);
}

void loop() {
  digitalWrite(led, HIGH);
  delay(1000);
  digitalWrite(led, LOW);
  delay(1000);
}
```

Below the code editor is a serial monitor window titled "/dev/cu.usbmodem1421". It shows a list of values: 178.00, 178.00, 178.00, 178.00, 179.00, 178.00, 178.00, 178.00, 178.00, 178.00. The number 2 is visible in the bottom left corner of the IDE window.

Processing



The screenshot shows the Processing IDE interface. The main window displays the following code:

```
int size=80;

void setup() {
  size(500, 500);
}

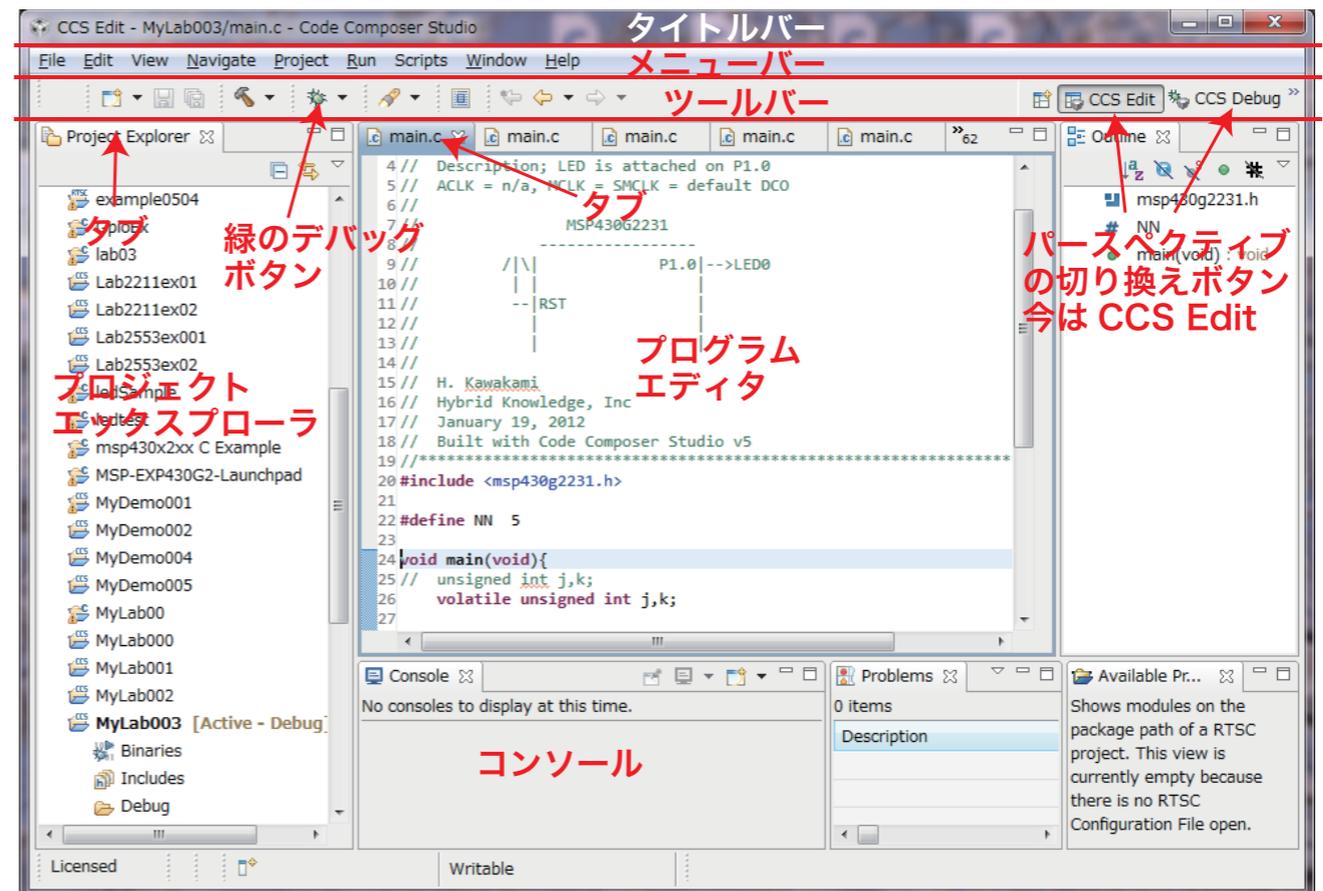
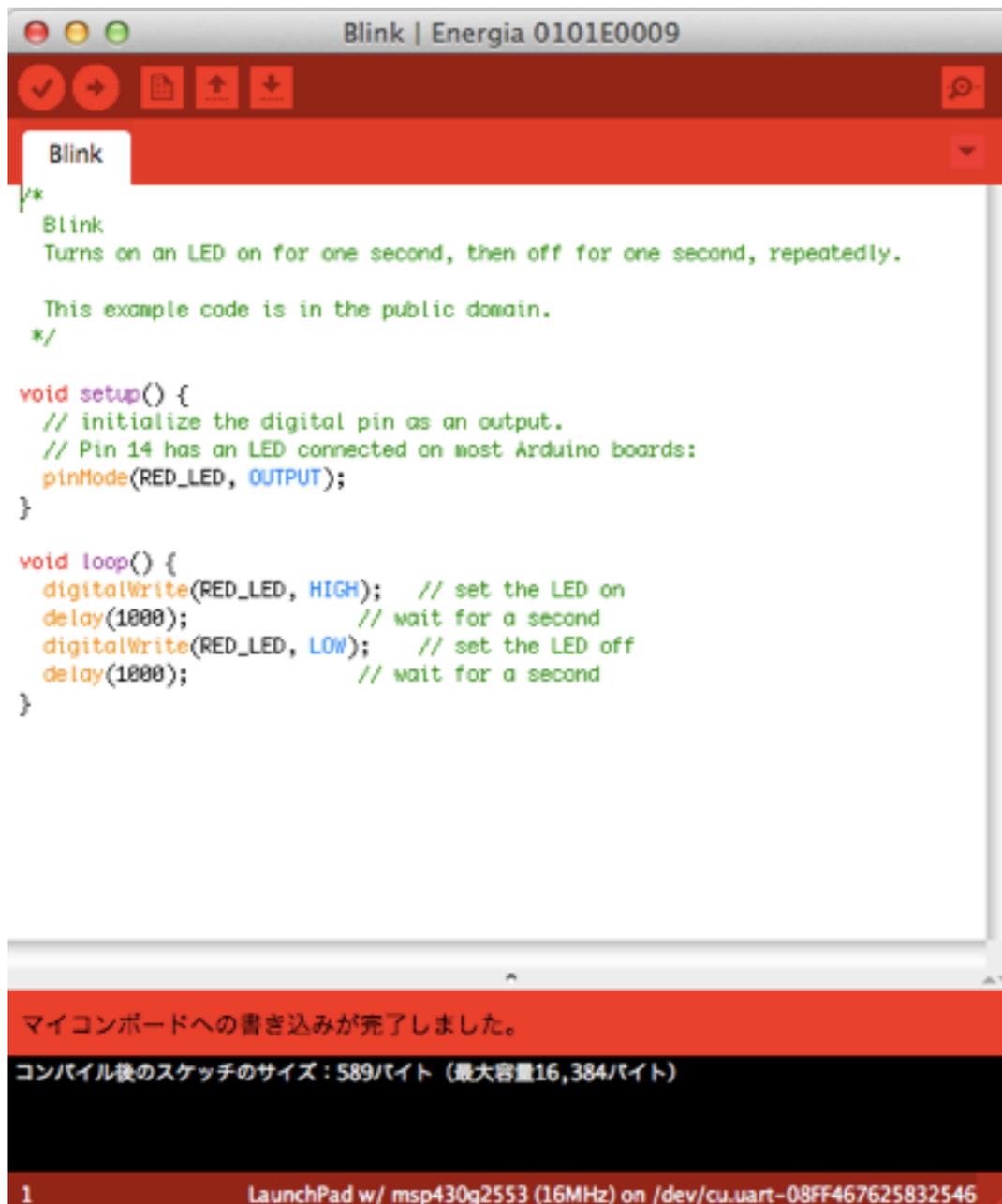
void draw() {
  ellipse(mouseX, mouseY, size, size);
}
```

Below the code editor is a window titled "sketch_130821a" displaying a complex, multi-layered circular pattern. The number 8 is visible in the bottom left corner of the IDE window.

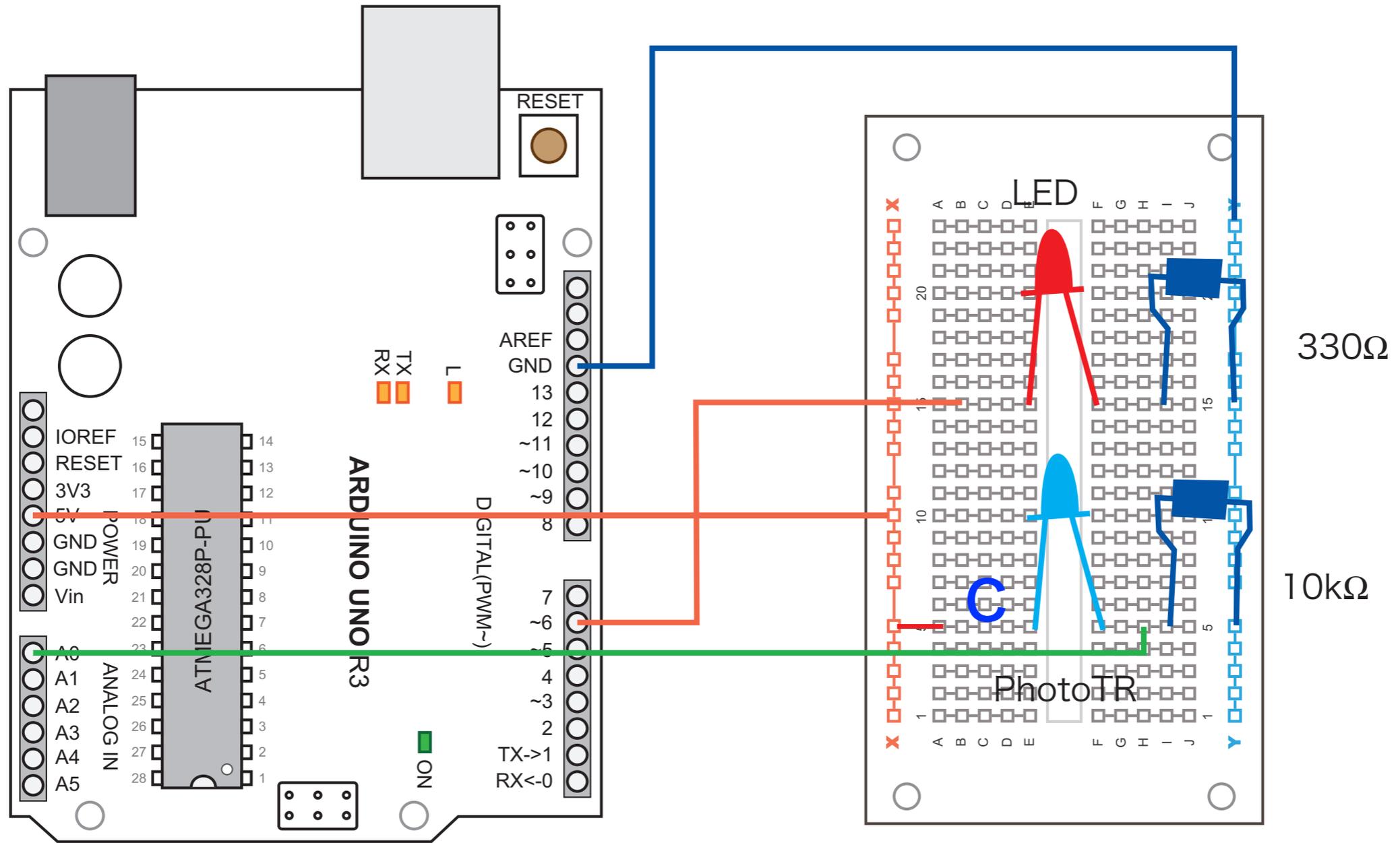
TI MSP430 LaunchPadをArduino風につかう

<https://github.com/energia/Energia/wiki/Getting-Started>

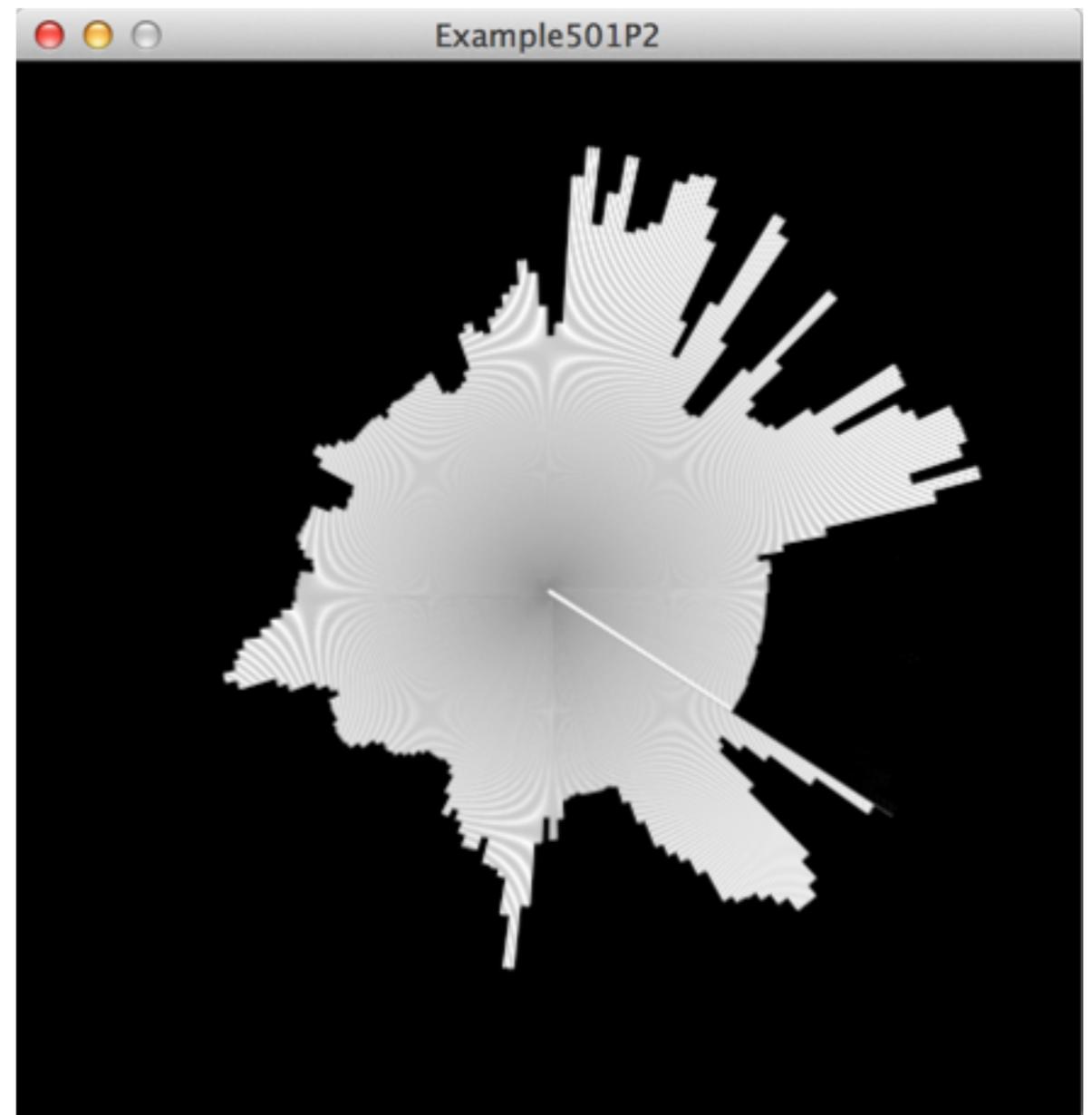
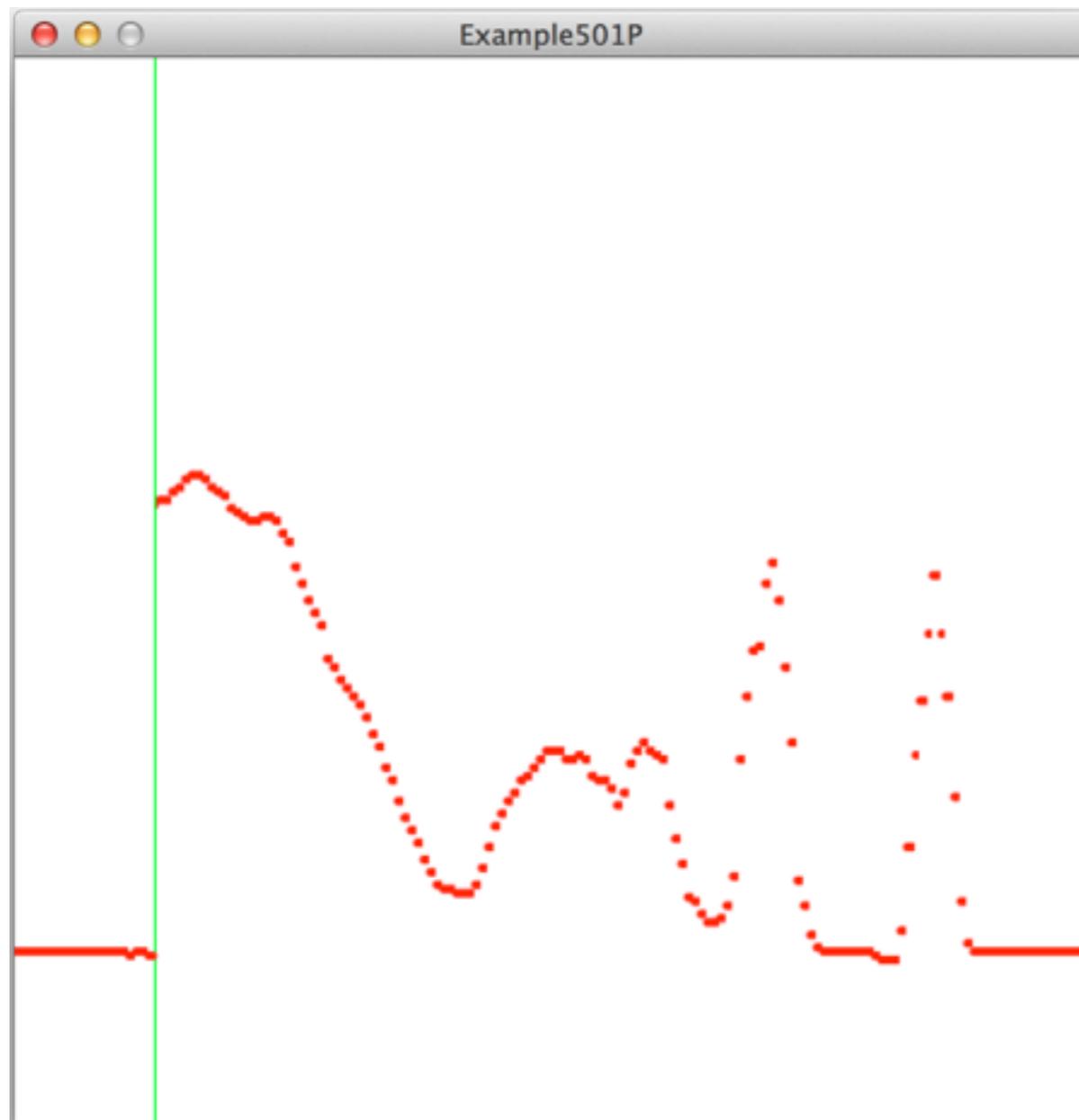
http://processors.wiki.ti.com/index.php/Other_MSP430_Software_Tools_for_LaunchPad



フォトトランジスタを使った調光



プロセッシングを使ったデータの表示



RGBledを点灯する

