# OPEN SOURCE HARDWARE & EMPOWERMENT

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### three stories

### 1. code to form

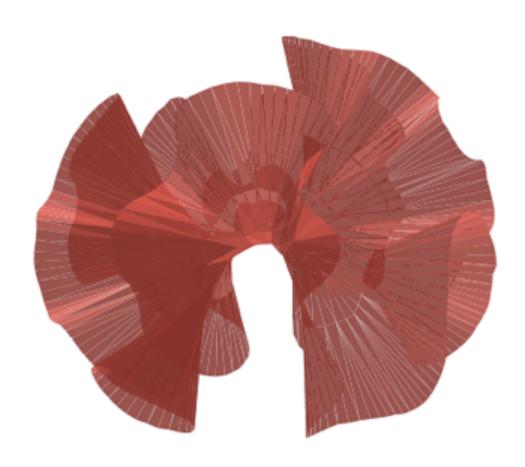
inspiration, education, & creation

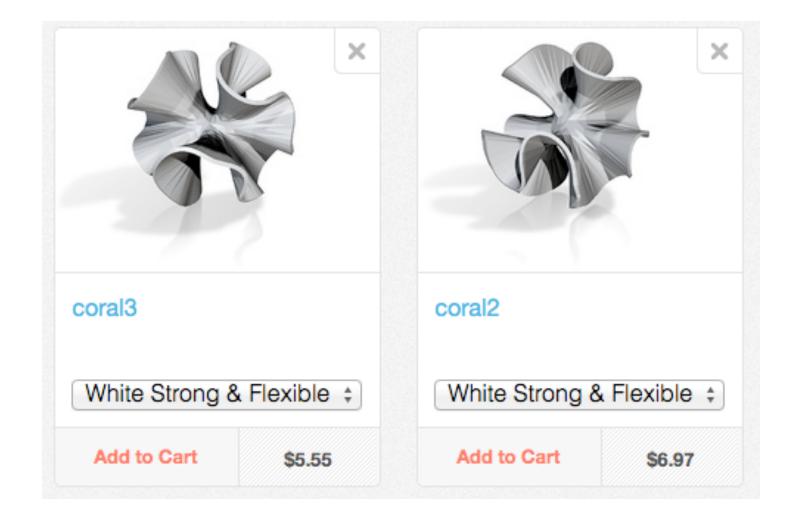
#### Margaret Wertheim



```
import traer.physics.*;
import peasy. * ;
PeasyCam cam;
int[] pattern = { // Grow
int patterncount = 0; //
Particle start; // Centr
int numgenerations = 5;
int restlength = 10; //
float speed = 3; // Phys
```

#### Kerrin Jefferis and Patrick Stein traer.physics library by Jeffrey Traer Bernstein unlekkerLib (stl) library by Marius Watz



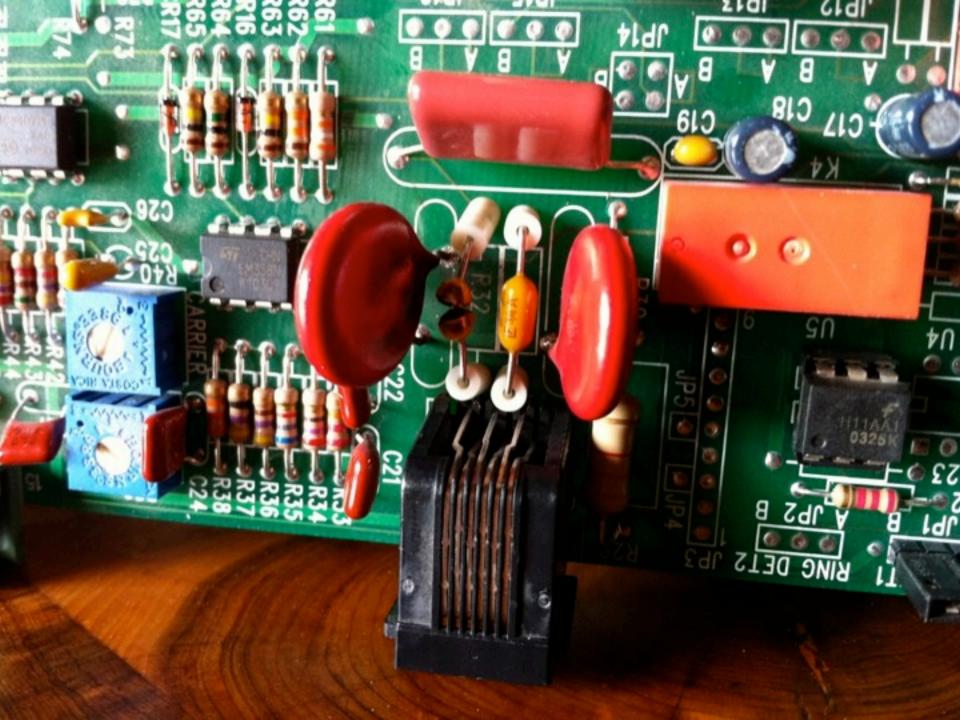




### 2. repair frustration & opportunity









# Xantrex DR2412 2,400W 12V DC to AC

### Global Village Construction Set!

### 3. the emperor's suit hyperbolic curmudgeonry



# why is it part of the Arduino (OSHW) family?

easy to use software open source software excellent documentation great example code extensive libraries friendly online forums inspiring projects community

### not because of OSHW

# what does it mean that LilyPad is OSHW?

### almost nothing

# this is true for 80% of what we celebrate as OSHW

### moral of the story?

### thank you!

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Jennifer Jacobs