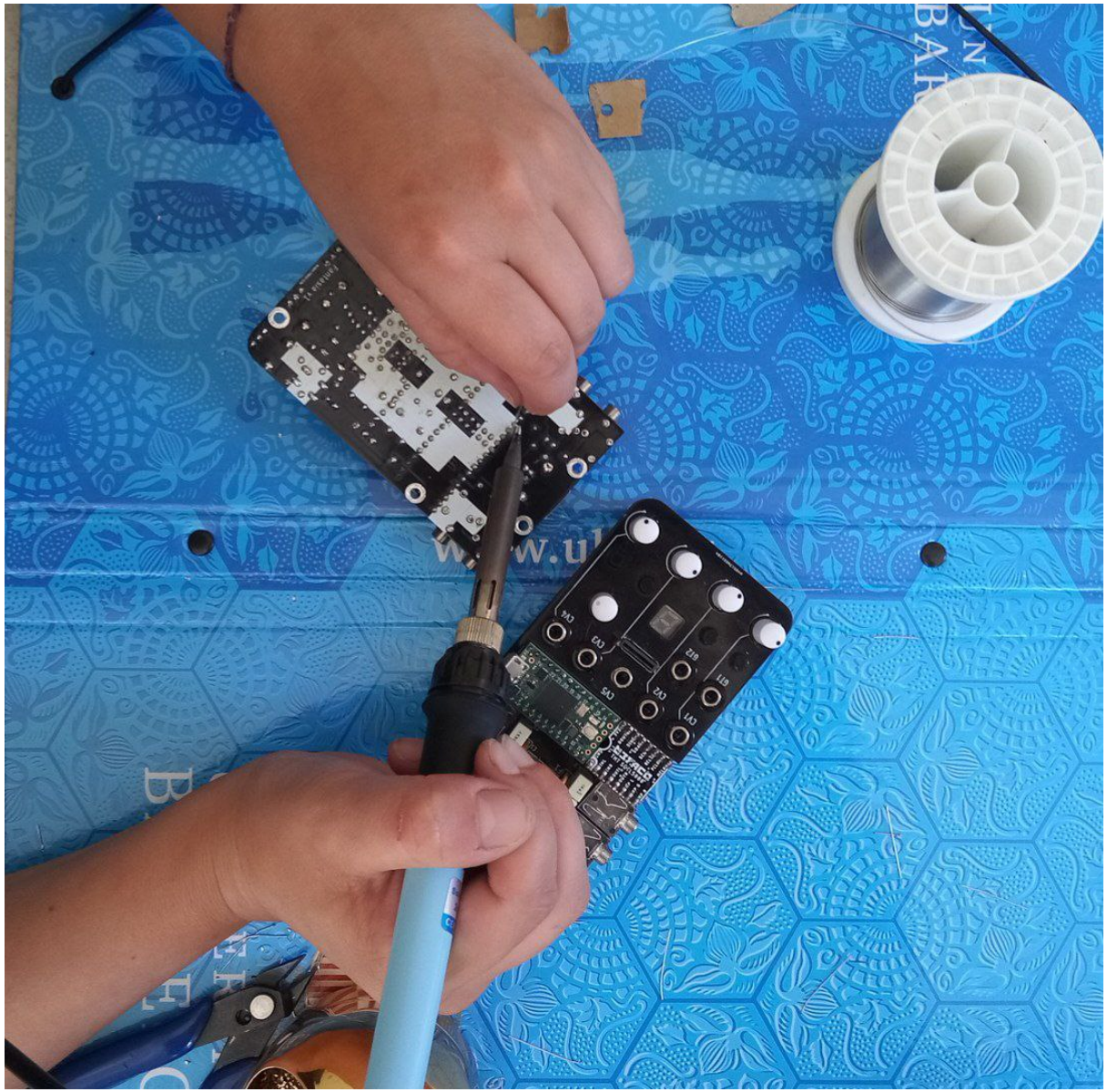
do wavetables with fantasia!

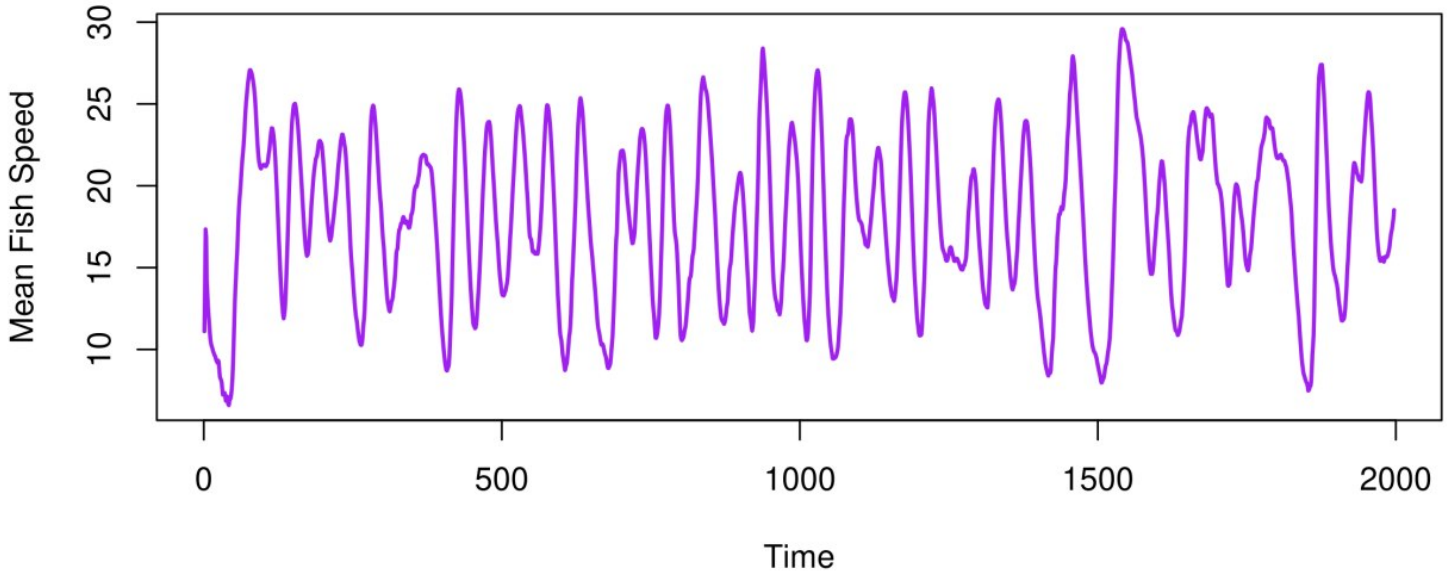
thanks Dave!

Maybe you remember us!

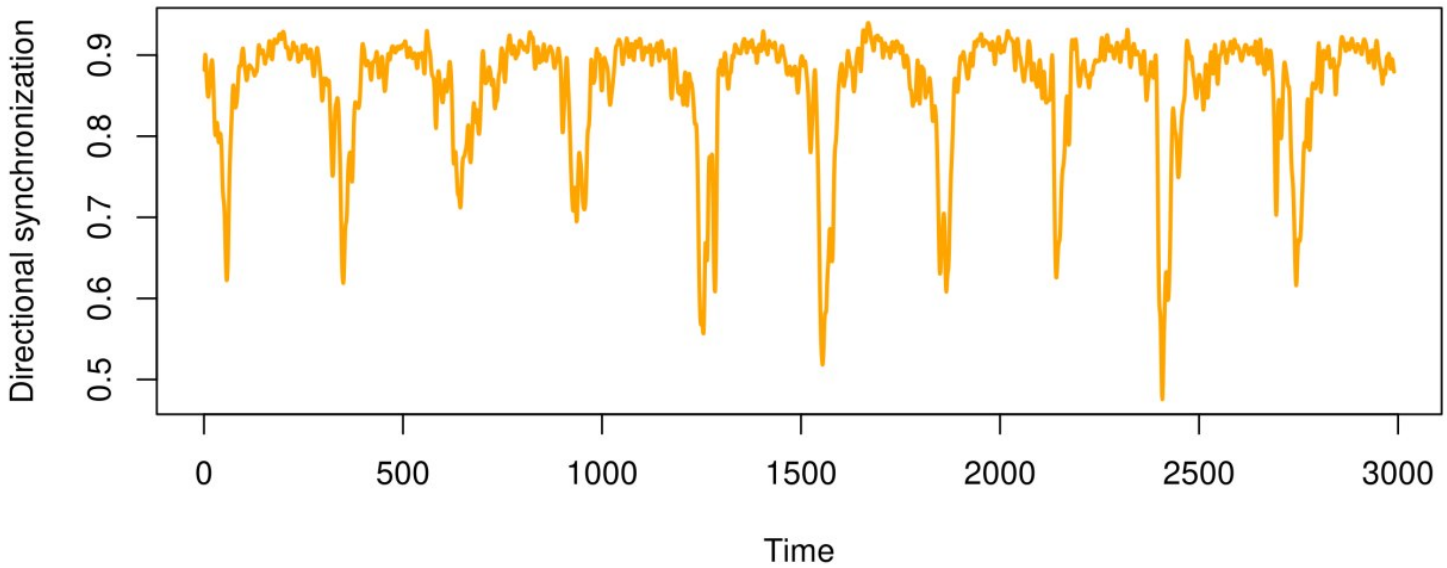
Foto: Simão Bessa



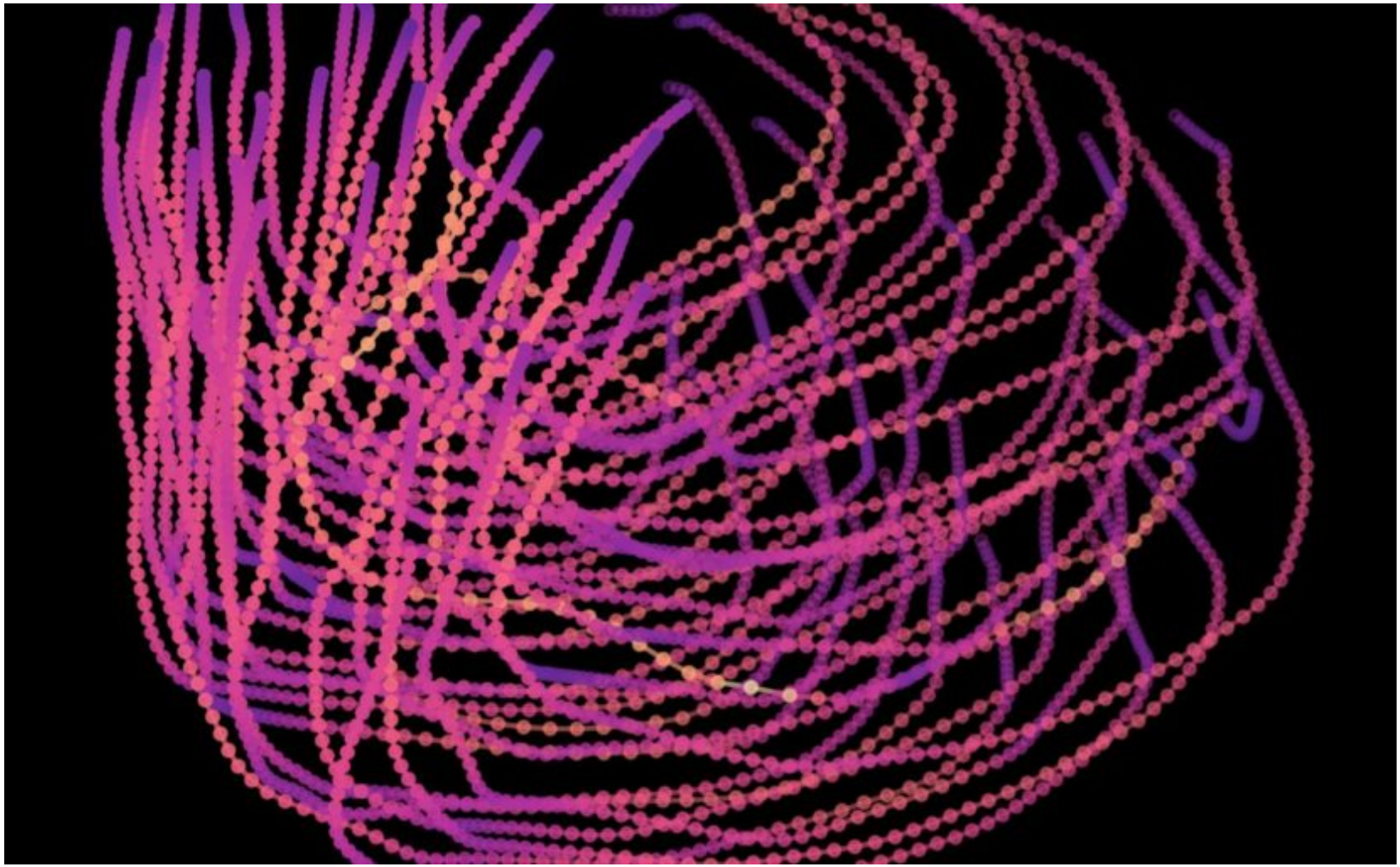
fantasia! http://famfest.info/about-2/



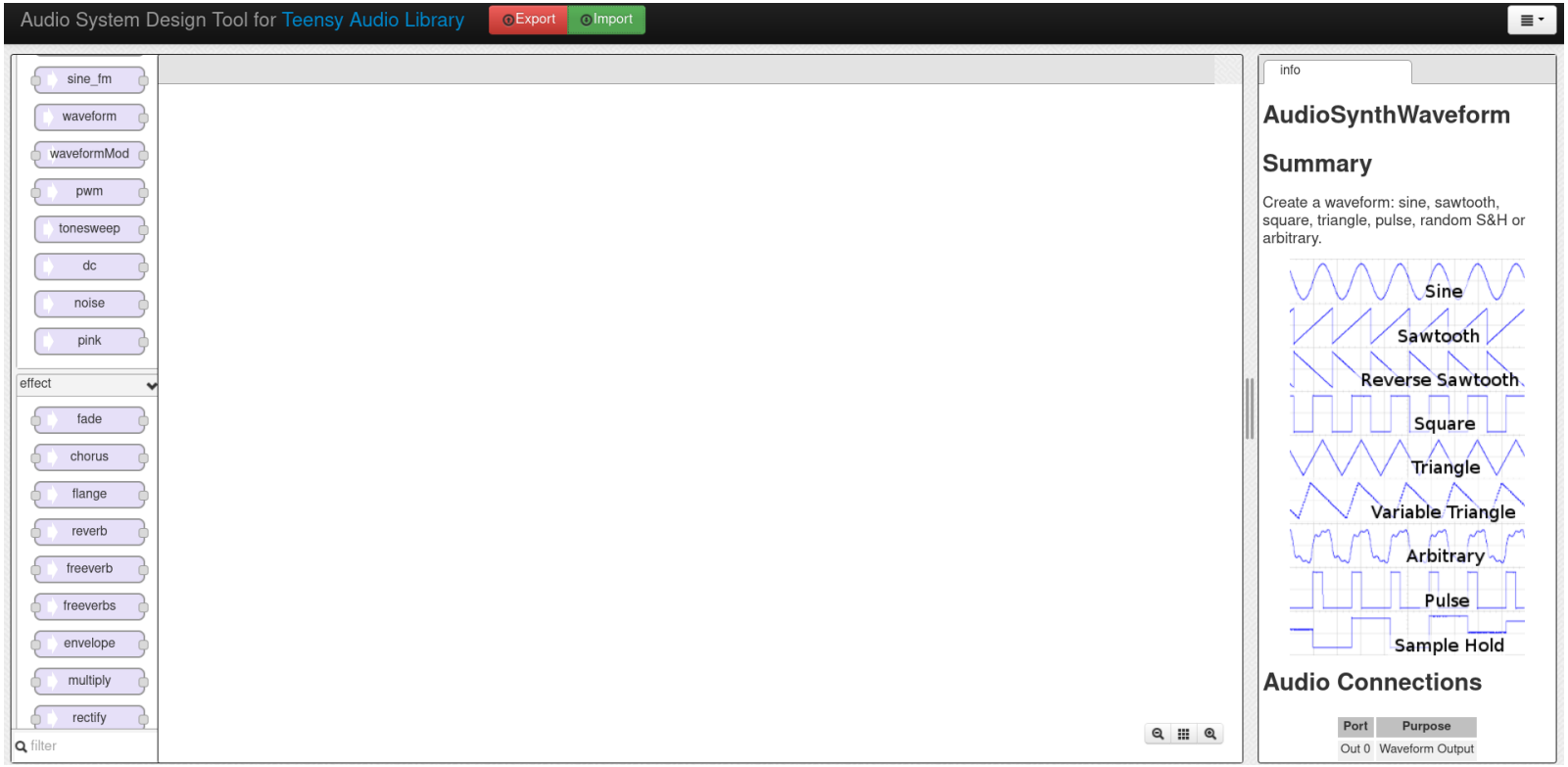
wavetables! mean speed wave shape of a group of particles



wavetables! mean directional sincronization of a group of particles



Fish freely swimmimg in a tank



You need

1. Teensyduino https://www.pjrc.com/teensy/td_download.html
2. Audio System Design Tool for Teensy Audio Library
   https://www.pjrc.com/teensy/gui/index.html

ARBITRARY WAVEFORM

Input: array of 256 values.

16-bit integer

Range: -32768 to +32767

Scale your data!

Your maximum value as 36767 and your minimum value as -36767

$$scaled\_value = \frac{((value - min(value)) * (32767 - (-32767)))}{(max(value) - min(value)) - 32767}$$

If you have too many points to grasp in 256 values the shape of your data wave, you can extract

GitHub repository

https://github.com/xustafu/Fantasia