

Curso avanzado sobre Arduino

Arduino Avanzados



ElCacharreo.com



Arduino Intermedio: Presente



Arduino Intermedio: Presente



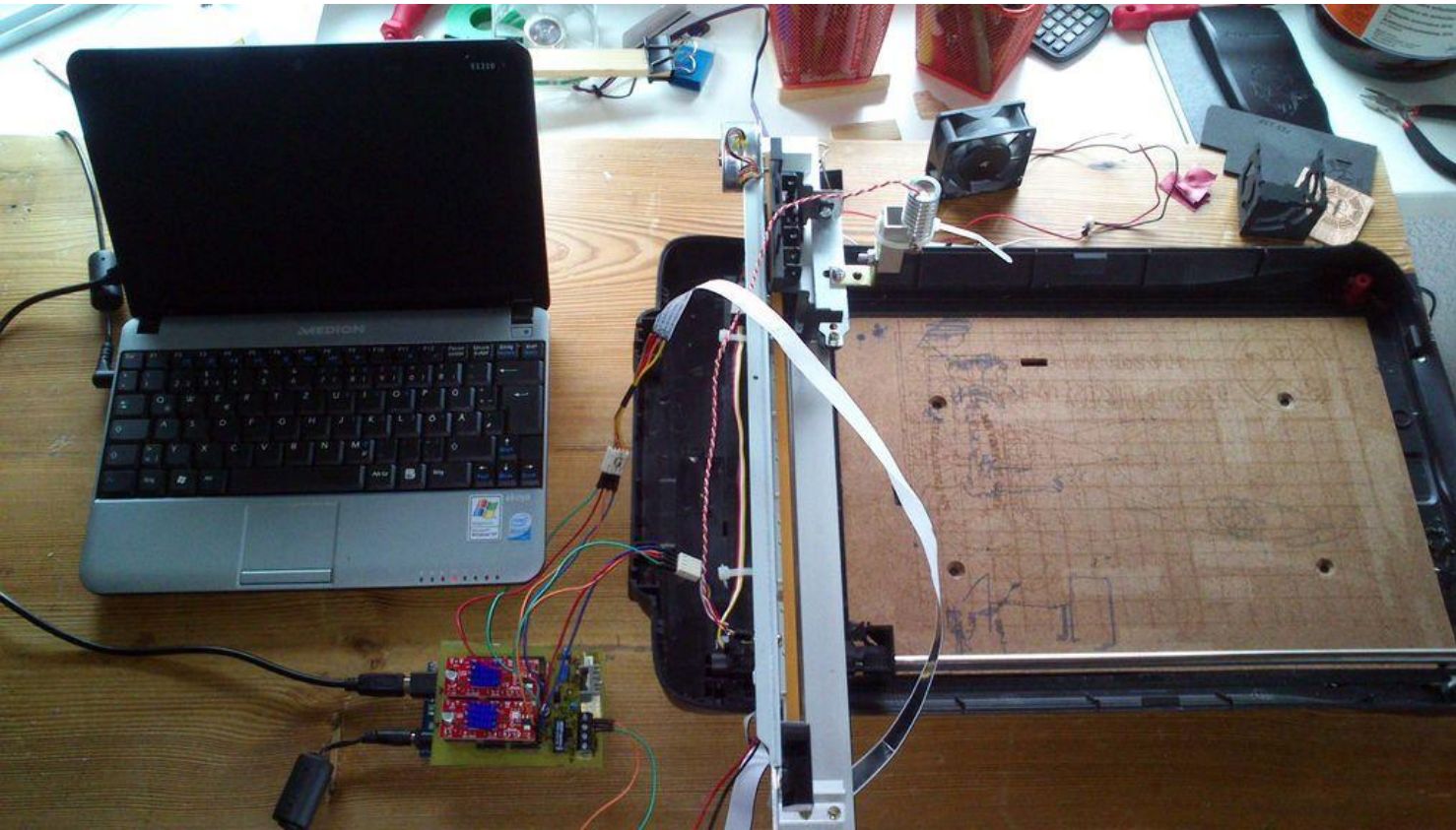
José Antonio Vacas Martínez

blog
javacasm@elcacharreo.com
twitter
linkedin



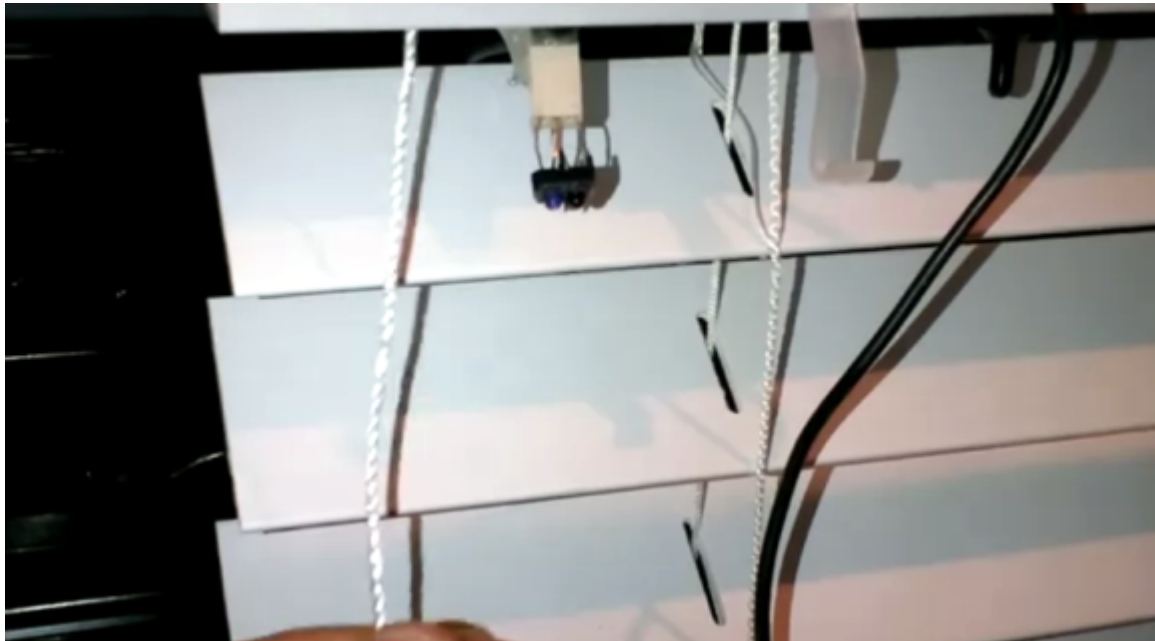
Arduino Avanzado: Proyectos

LASER Engraver: <http://www.instructables.com/id/Frankenstein-Laser-Engraver/?ALLSTEPS>



Arduino Avanzado: Proyectos

Persianas: <http://hackaday.com/2013/04/18/hidden-servo-automates-slat-style-window-blinds/>



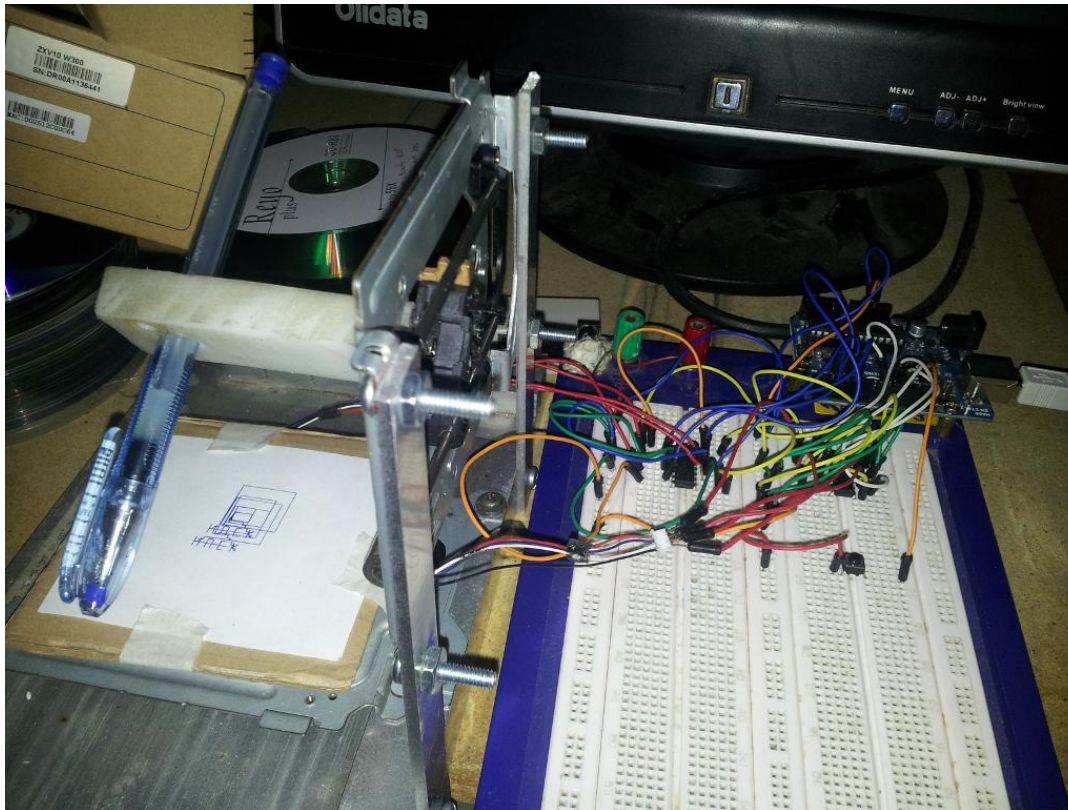
Arduino Avanzado: Proyectos

CNC <http://txapuzas.blogspot.com.es/2009/12/txapu-cnc-hardware.html>



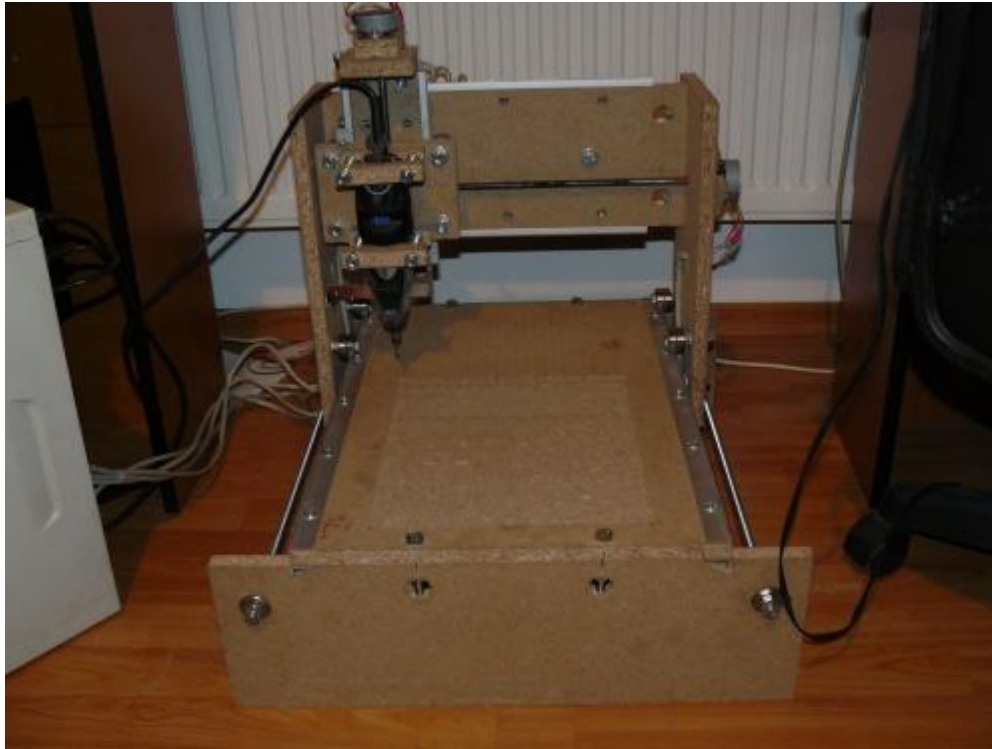
Proyectos

<http://blog.zerial.org/proyectos/impresora-casera-con-arduino-y-lectores-de-cds-viejos/>



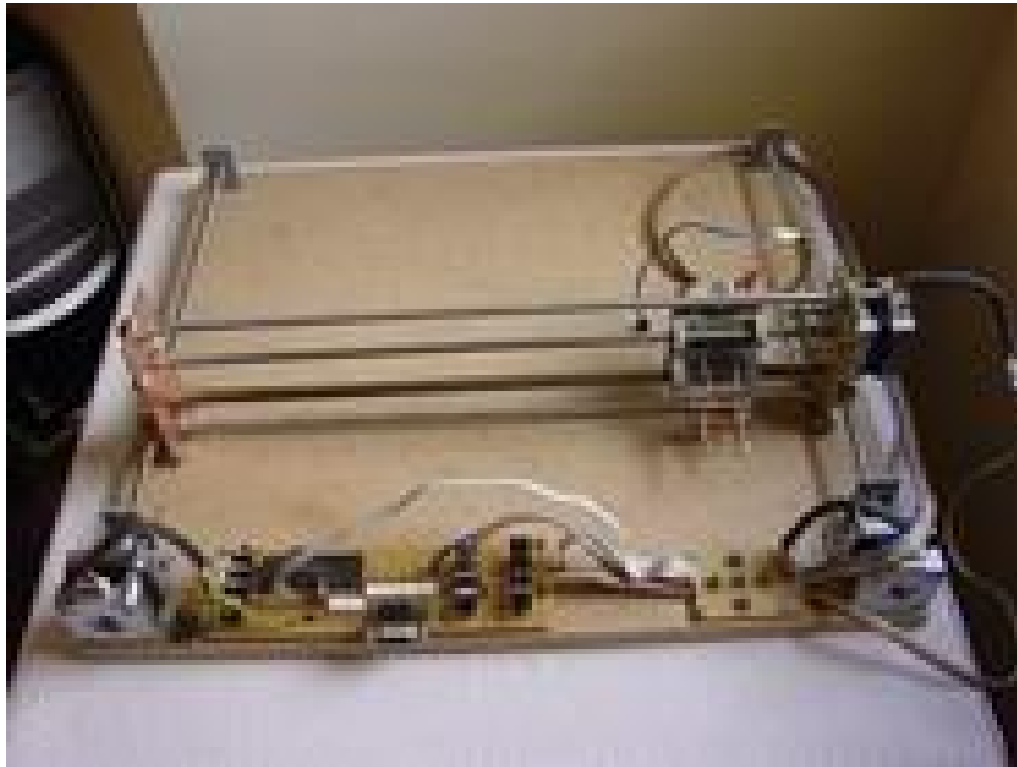
Proyectos

<http://www.hackolog.com/2010/10/08/cnc-machine-built-around-arduino/>



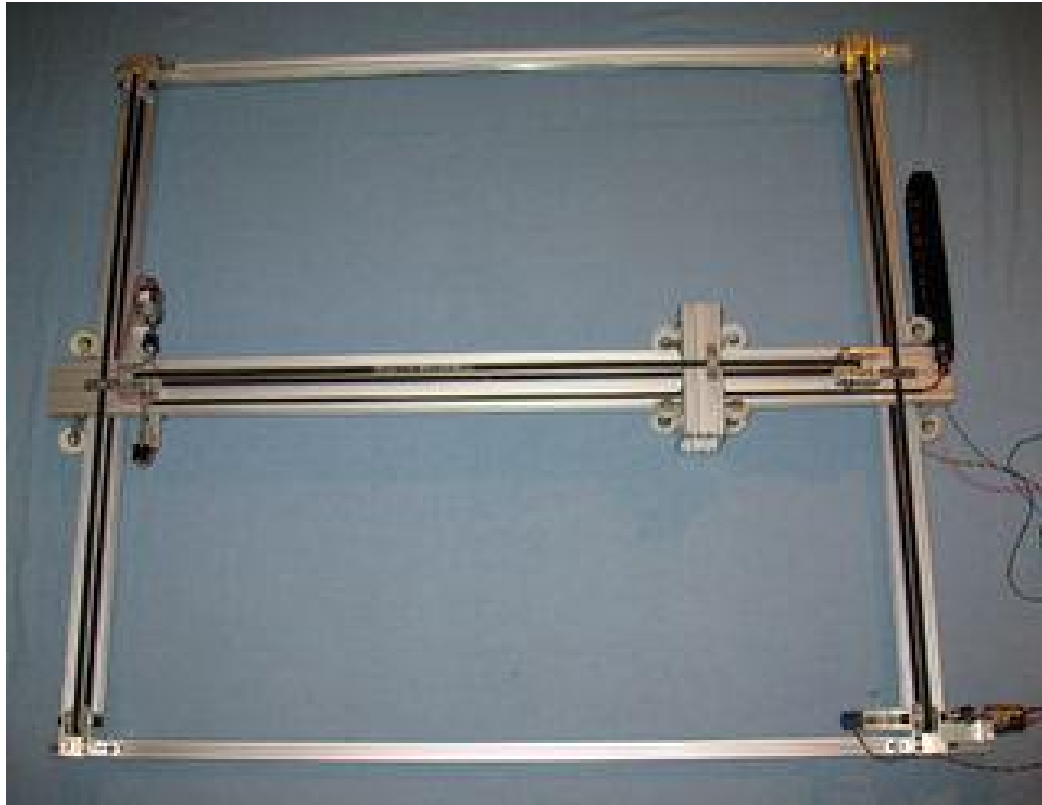
Proyectos

<http://www.myhobbyprojects.com/drupal-7.16/?q=plotter>



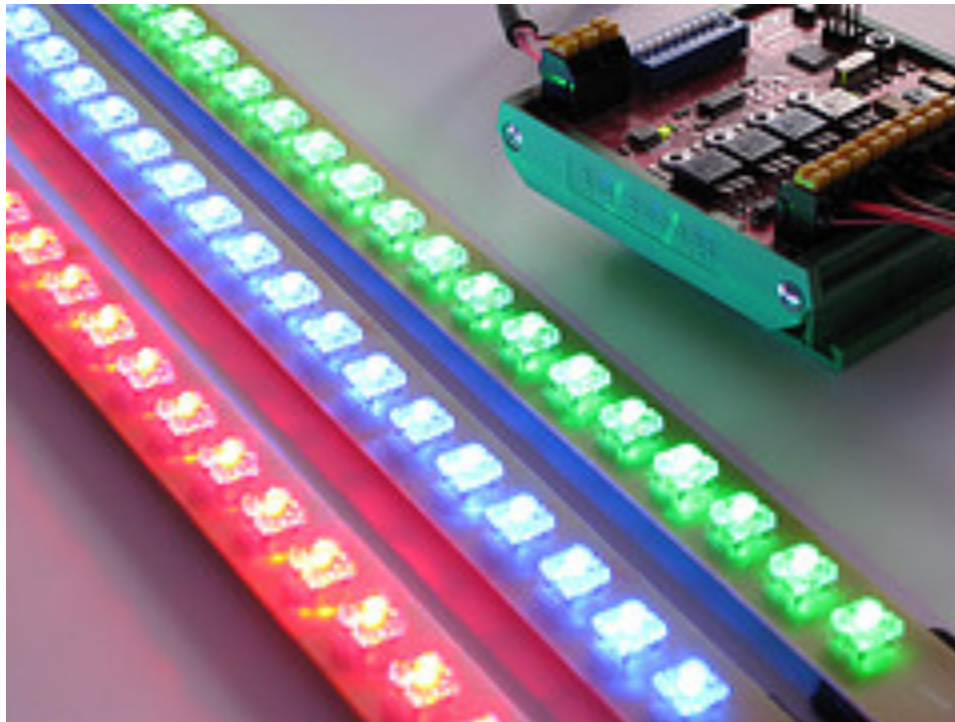
Proyectos

<http://www.instructables.com/id/Internet-Arduino-Controlled-T-Slot-XY-Table/>



Arduino Avanzado: Proyectos

DMX: <https://code.google.com/p/tinkerit/>



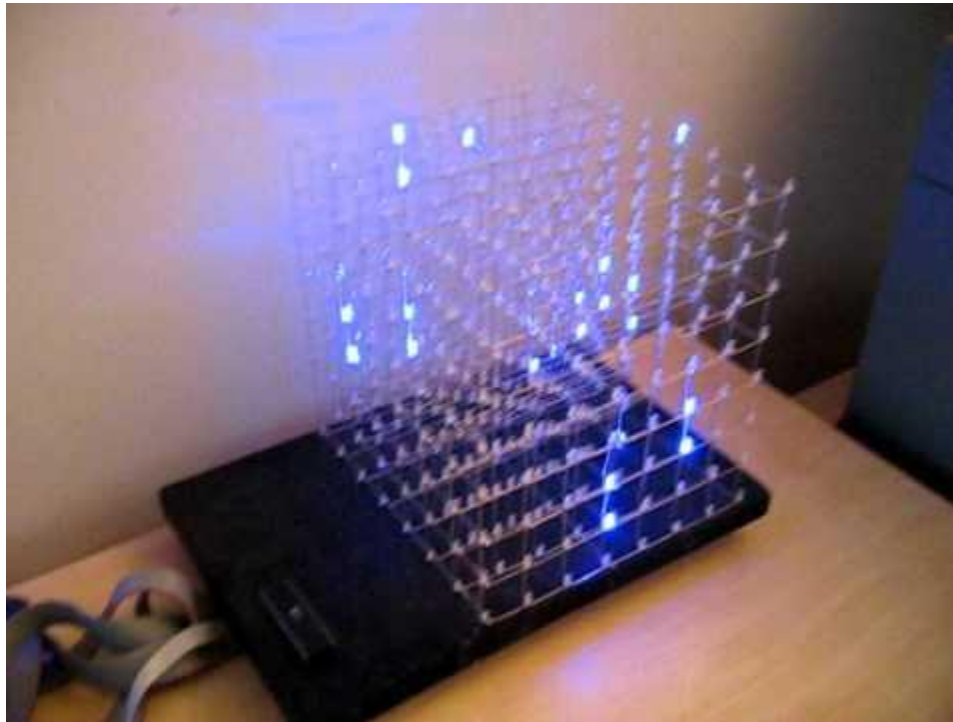
Arduino Avanzado: Proyectos

LED cube:

<http://electronicavm.wordpress.com/2011/07/27/cubo-de-leds-3x3x3-con-arduino/>

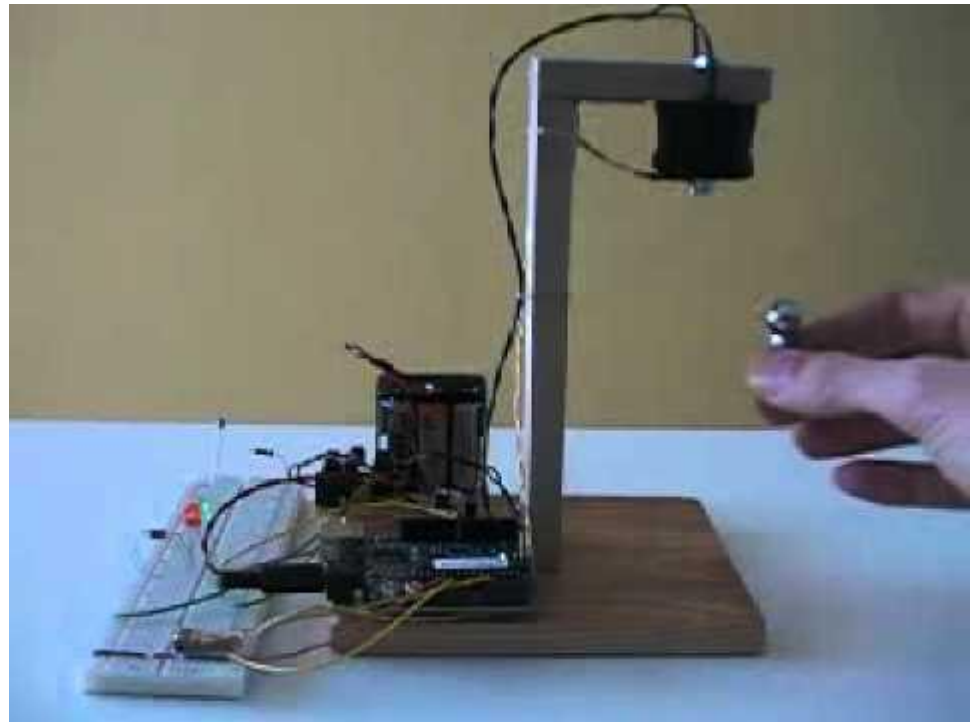
<http://picprojects.org.uk/projects/inf/drivingLEDs.pdf>

<http://electronics.stackexchange.com/questions/17914/what-transistor-do-i-need-to-drive-many-leds-and-how-sho>



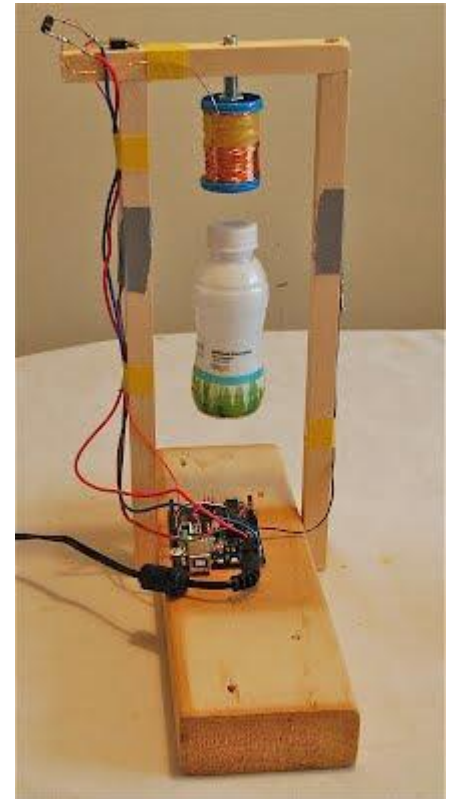
Levitación magnética

<http://arduino.cc/forum/index.php/topic,89241.0.html>
Sensor magnético



Levitación magnética

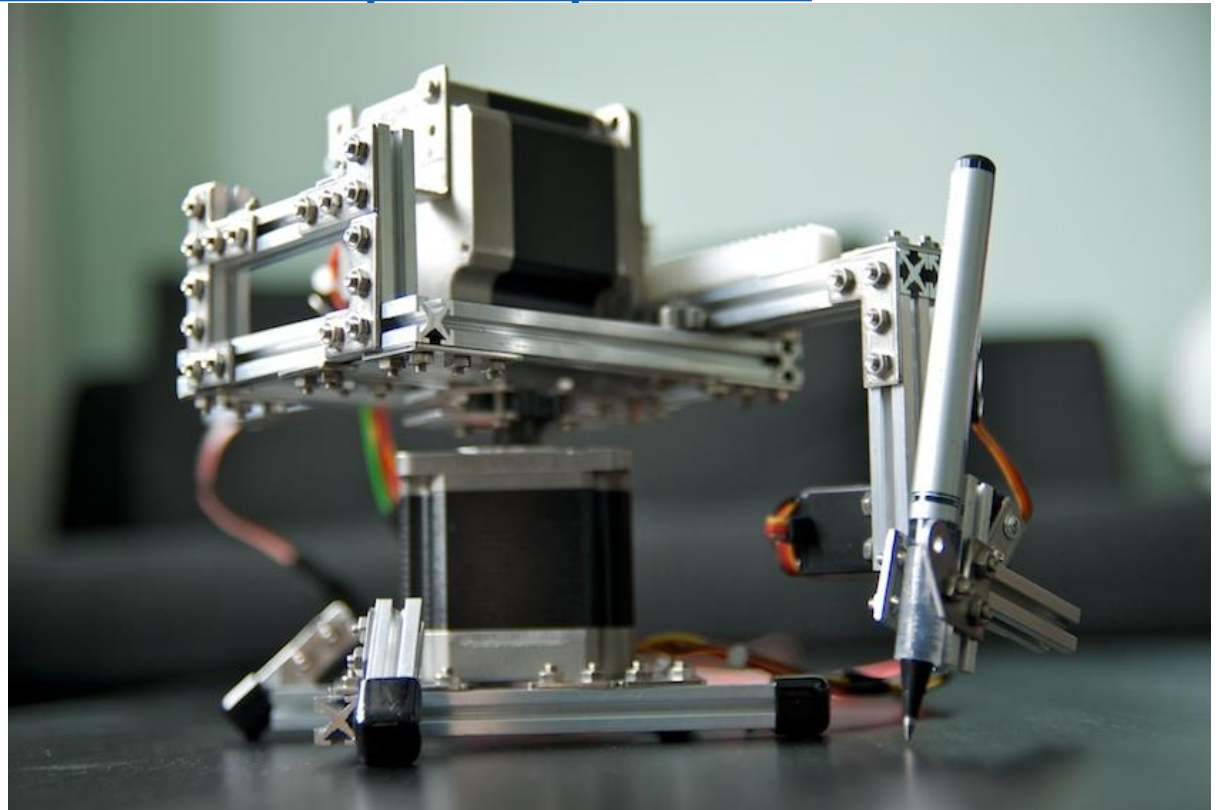
<http://www.dangerouslymad.com/projects/chapter-13-levitation-machine>
Sensor óptico



Proyectos

<http://roxen.github.com/polar-plotter/>

Polar Plotter:



Proyectos

<http://roxen.github.com/polar-plotter/>

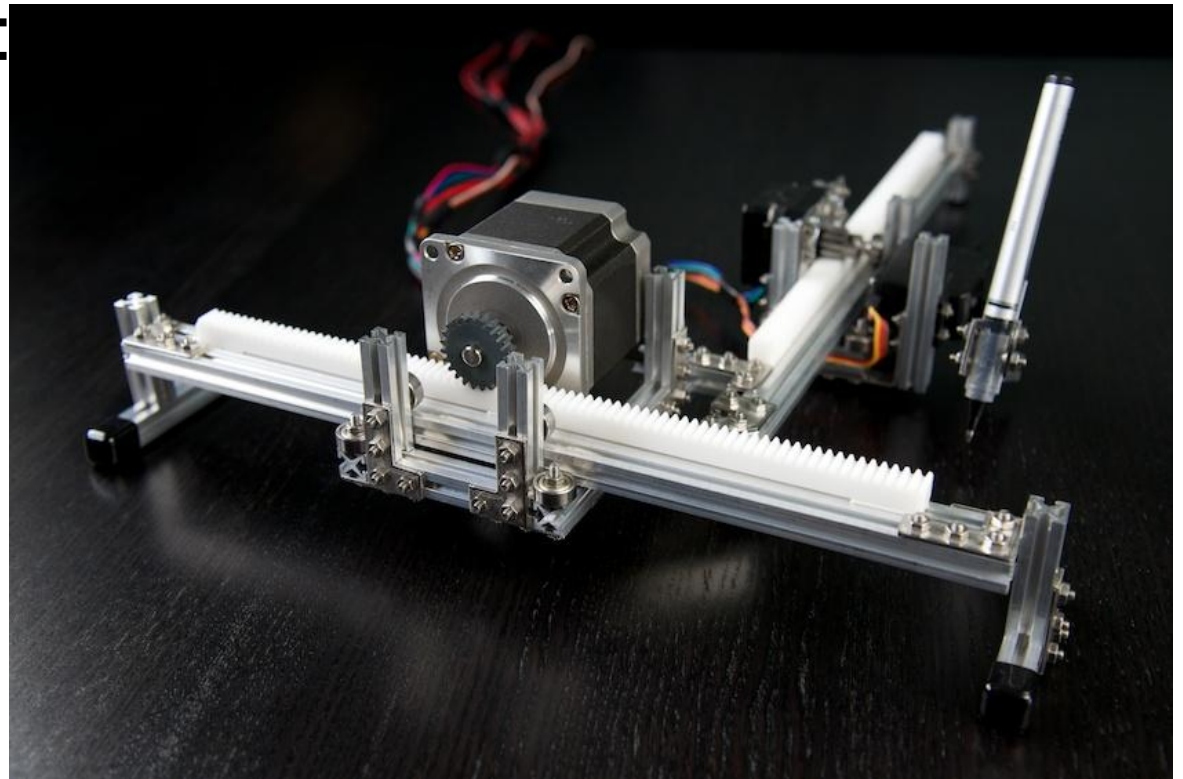
Polar Plotter:



Proyectos

<http://roxen.github.com/live-plotter/>

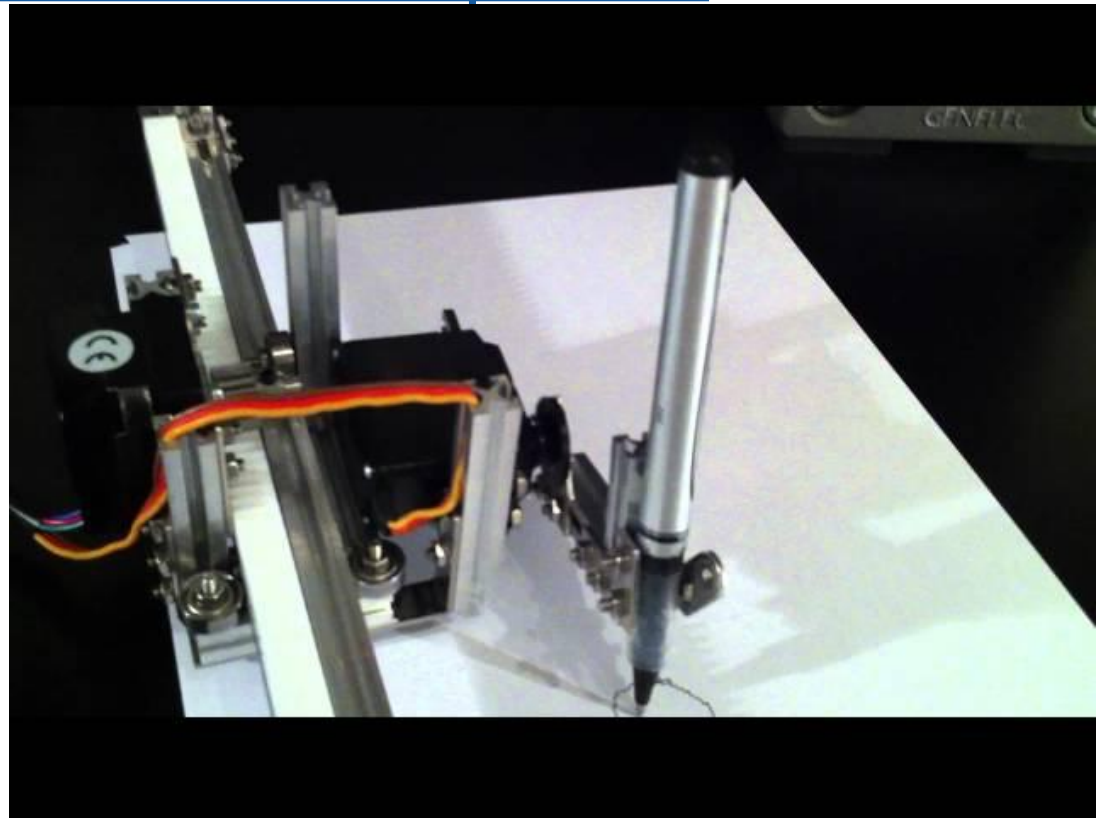
Lineal Plotter:



Proyectos

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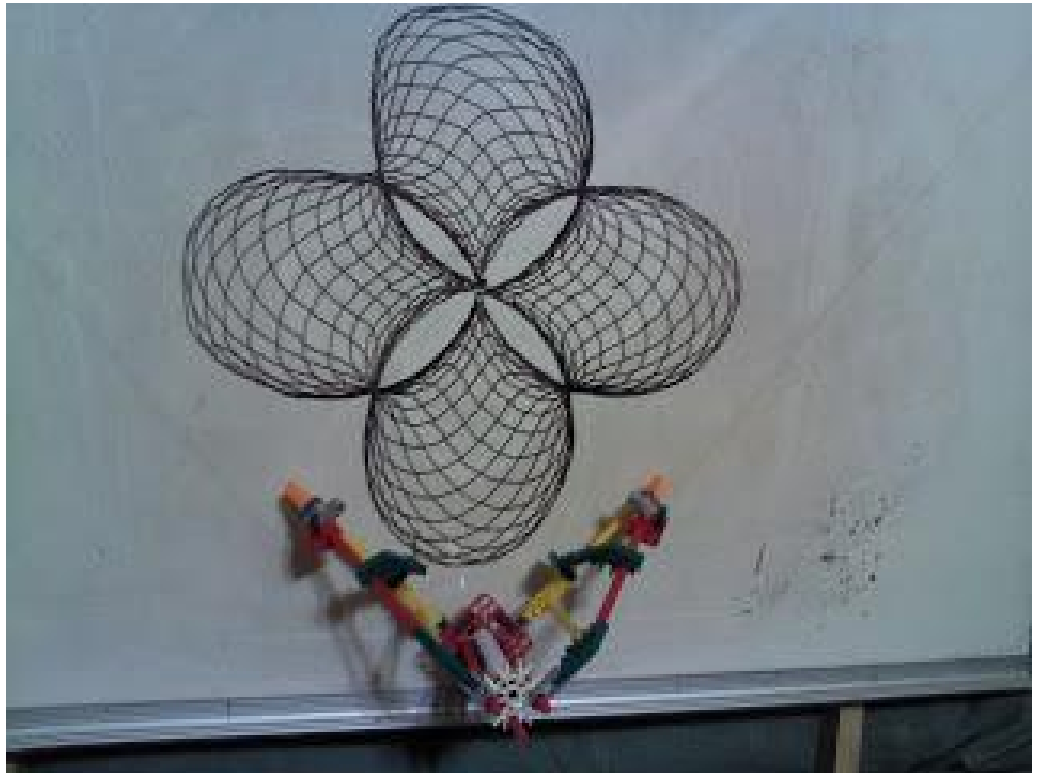
Lineal Plotter:



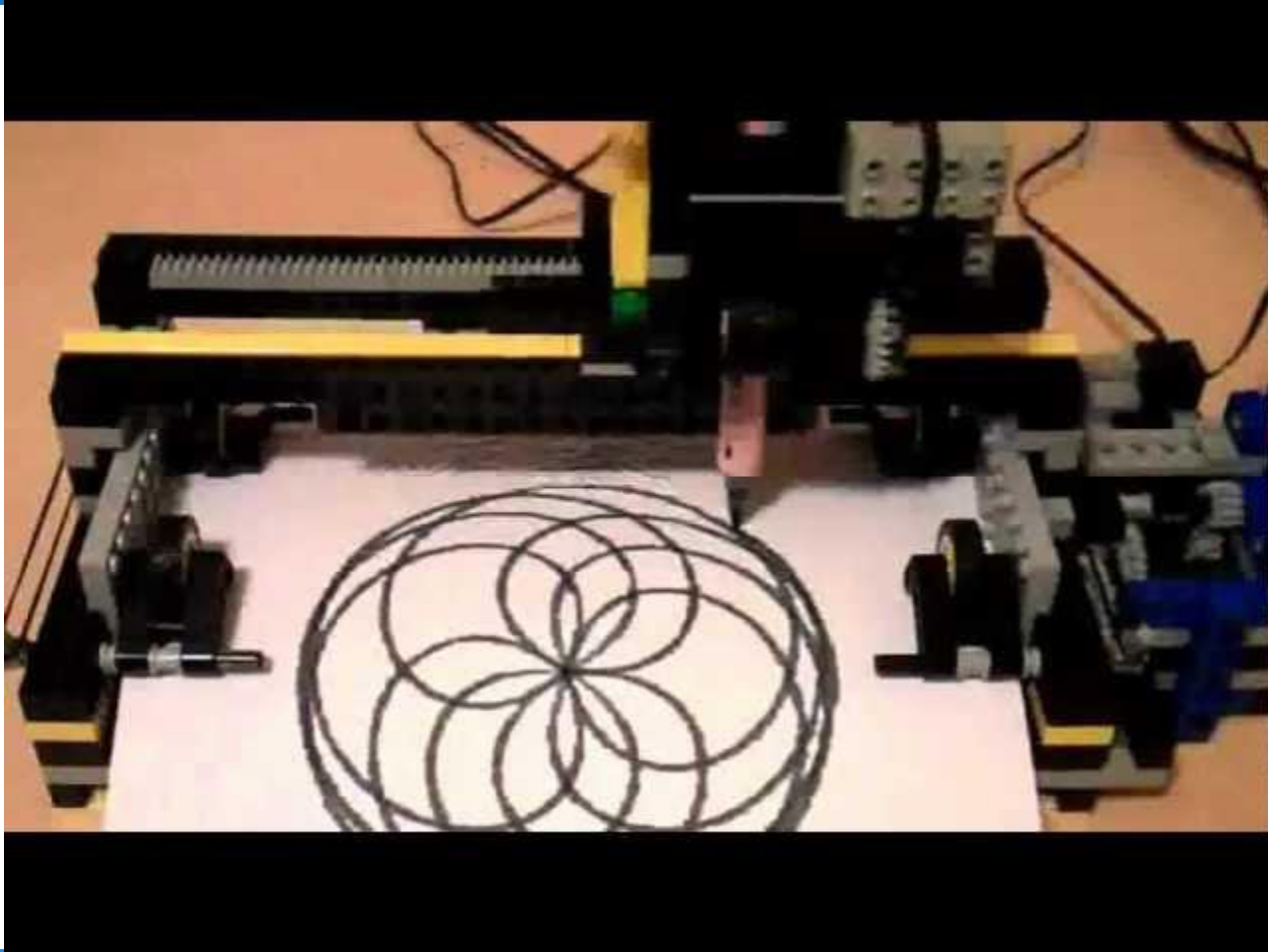
Proyectos

<http://whiteboarddoodler.blogspot.com.es/search?updated-max=2011-03-24T07:37:00-07:00&max-results=7&start=21&by-date=false>

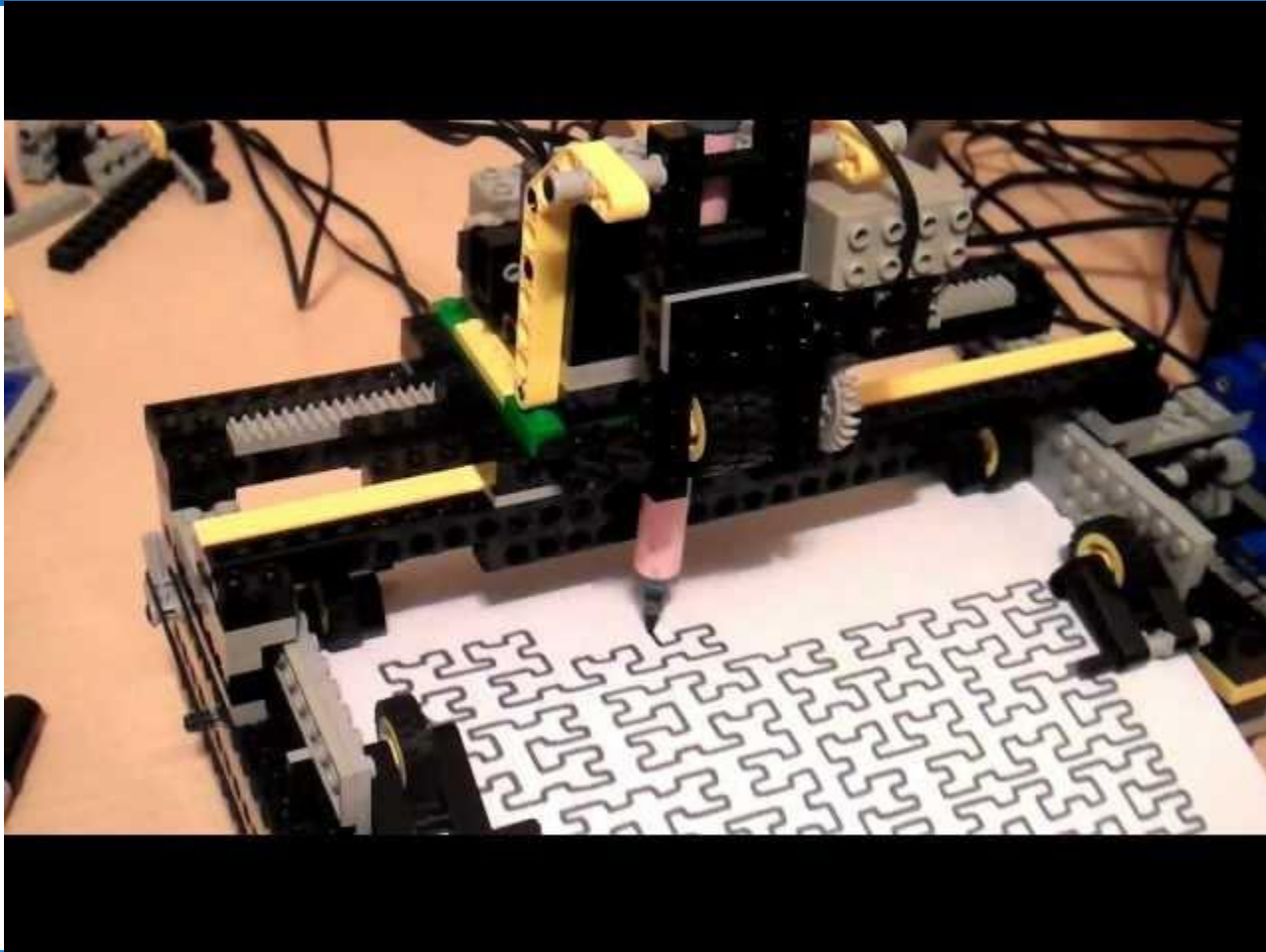
Whiteboard:



Proyectos

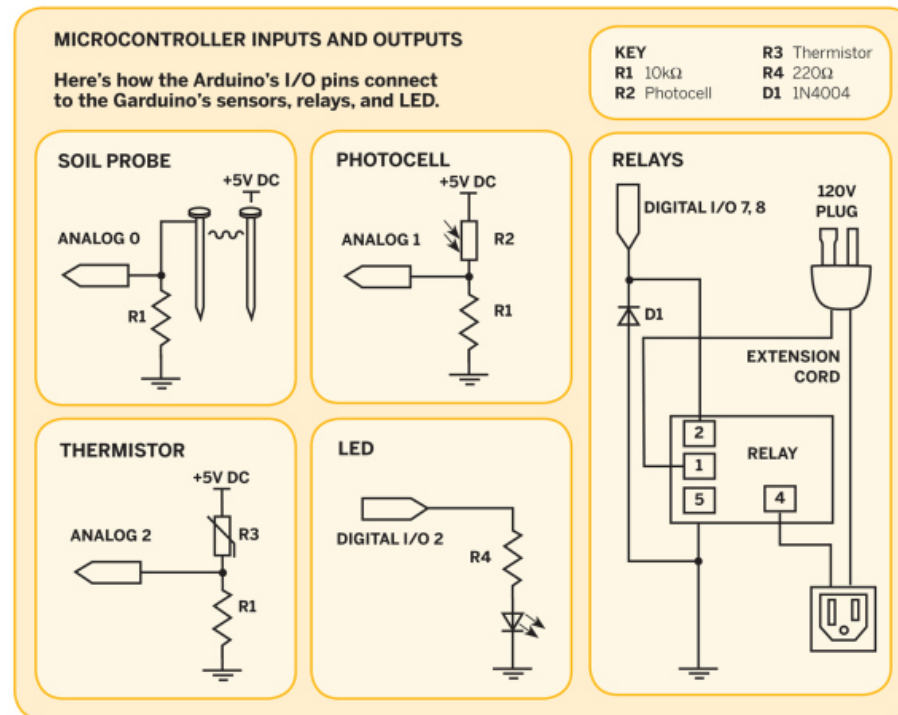


Proyectos



Proyectos

<http://blog.makezine.com/projects/make-18/garduino-geek-gardening/>



https://www.google.es/search?q=arduino+garden&safe=off&hl=es&rlz=1C1AVSX_enES409ES409&source=lnms&tbm=isch&sa=X&ei=WWuVUa3VE-6X7Qb14oGIBq&ved=0CAcQ_AUoAQ&biw=1366&bih=681

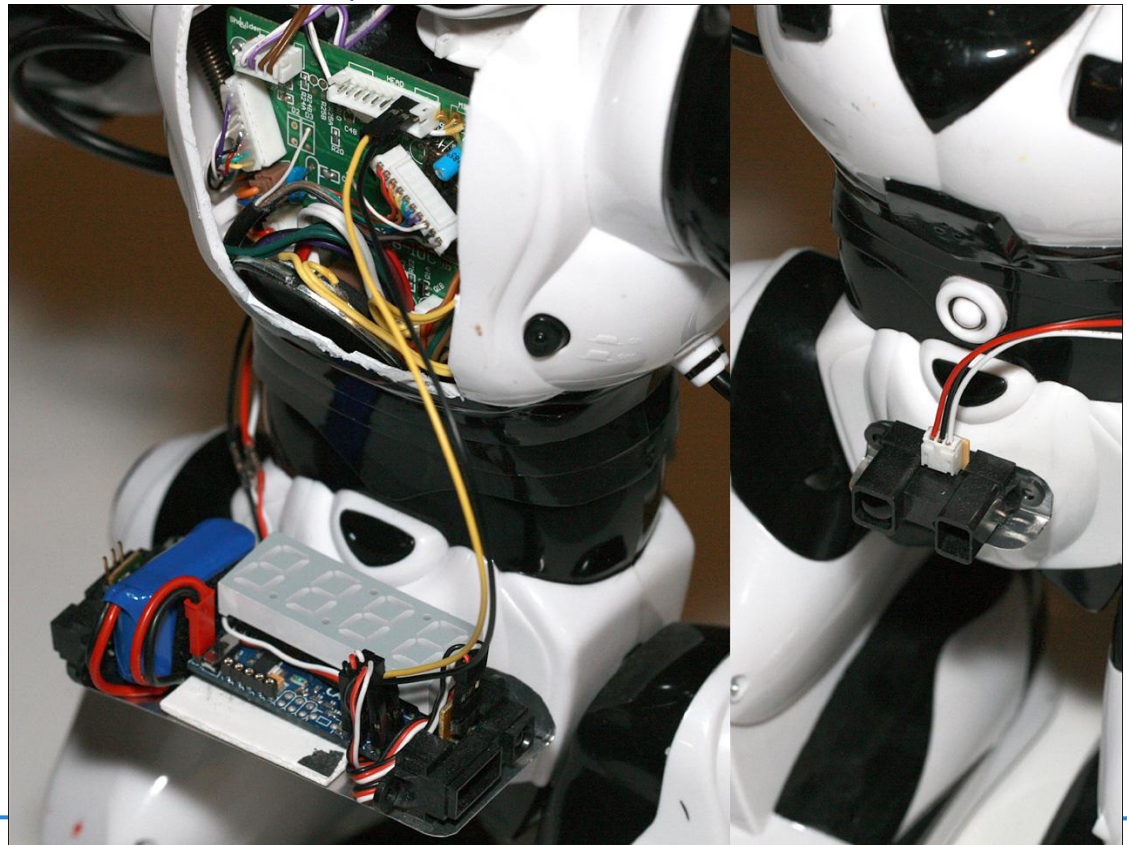


Proyectos

Código <https://code.google.com/p/hack-a-robosapien/wiki/ArduinoConnectionCode>

Usando cable IR <http://playground.arduino.cc/Main/RoboSapienIR>

Usando server ethernet <http://playground.arduino.cc/Main/RoboSapienServer>



Proyectos

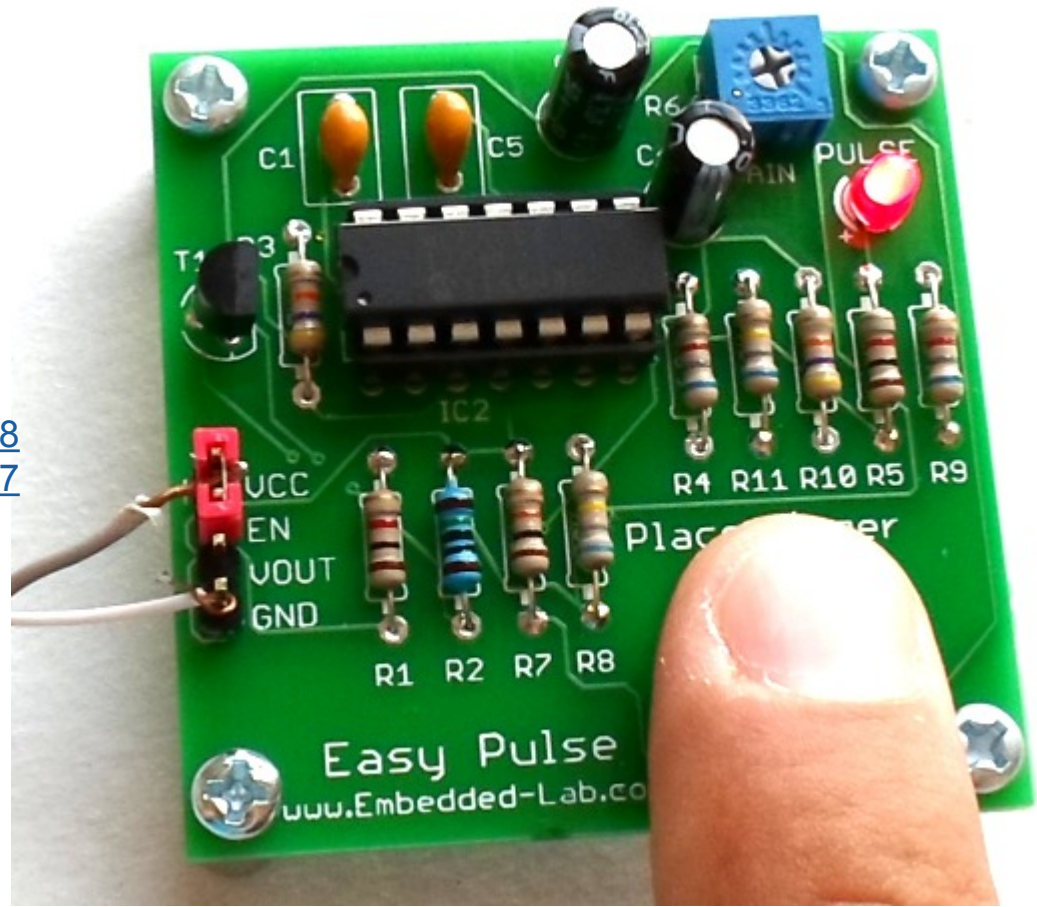
<http://medicarduino.net/>

Medida de pulso

<http://medicarduino.net/?p=255>

<http://embedded-lab.com/blog/?p=5508>

<http://embedded-lab.com/blog/?p=6157>



e-health: kit medico/deportista

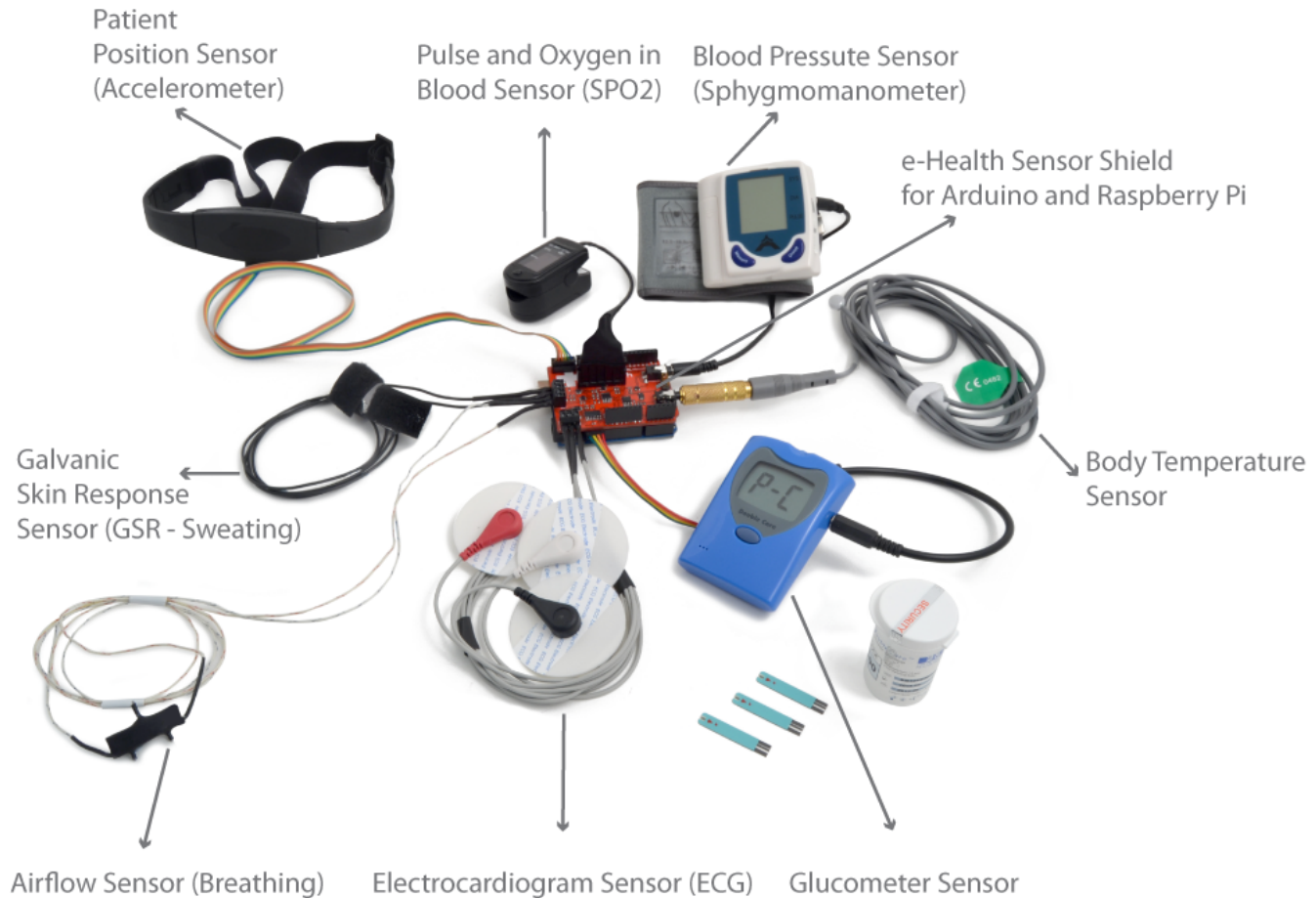
<http://www.cooking-hacks.com/index.php/documentation/tutorials/ehealth-biometric-sensor-platform-arduino-raspberry-pi-medical>

Esquema del e-health de cooking-hacks

http://www.cooking-hacks.com/skin/frontend/default/cooking/images/catalog/documentation/e_health/e-Health_v3.pdf



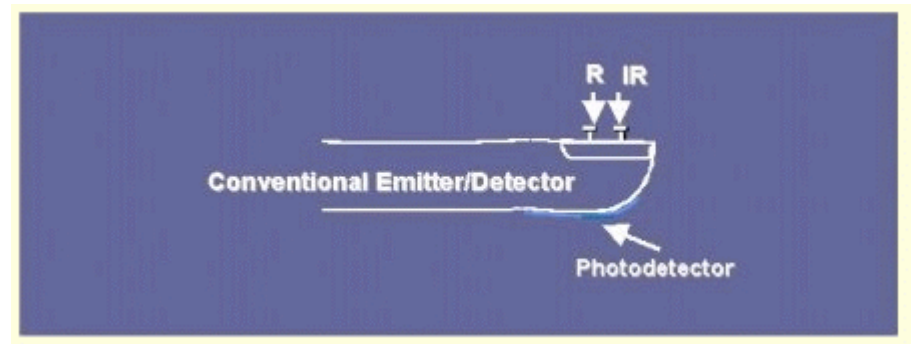
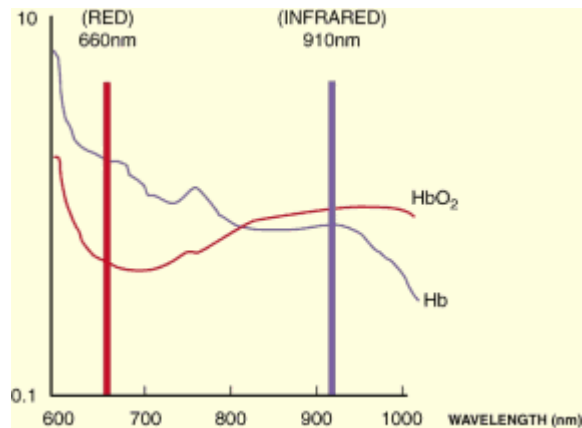
e-health:



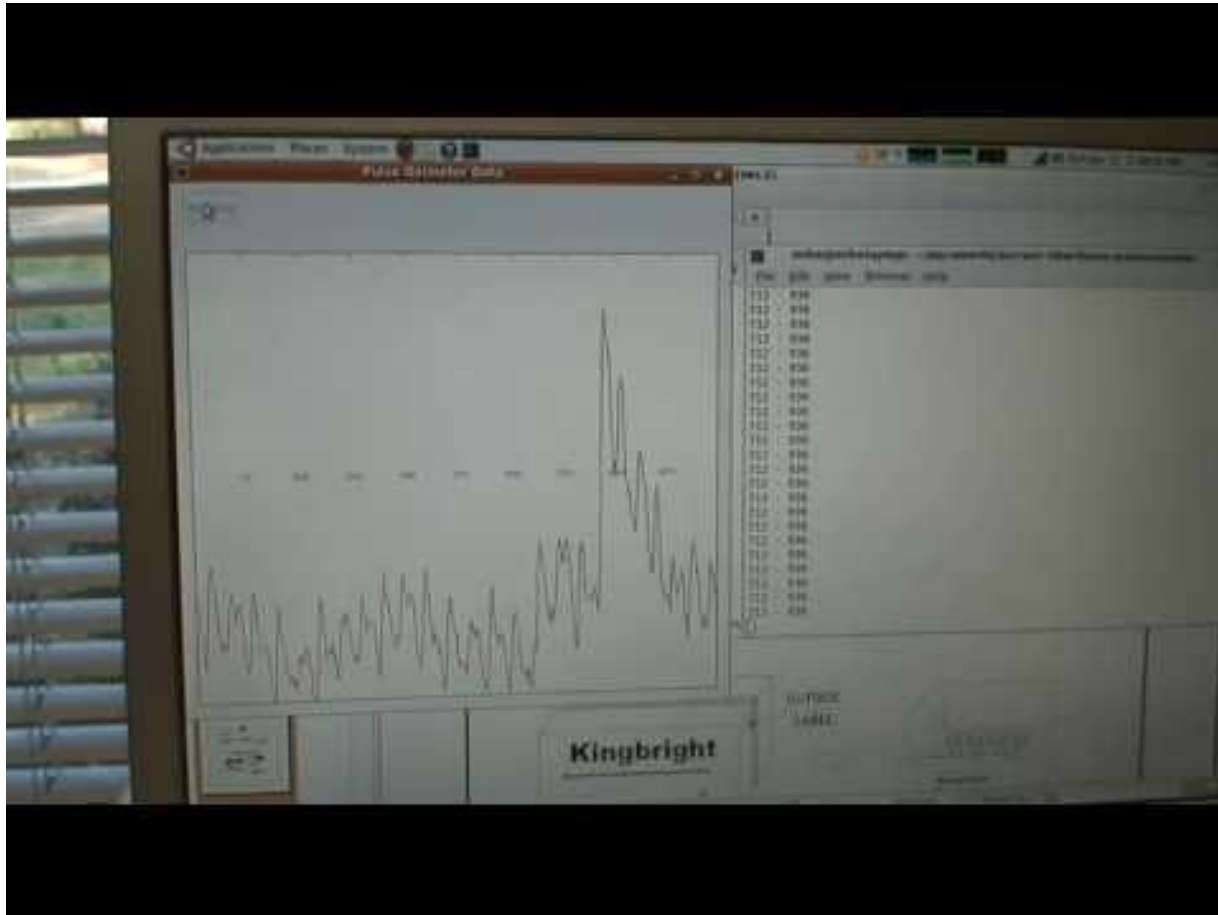
Oximeters:

Dónde comprar oximeters: http://www.ebay.com/sch/Oximeters-/31465/i.html?_sop=15&_pgn=2&_skc=50&rt=nc

Cómo hacer oximeters: <http://medicarduino.net/?tag=pulse-oximeter> <http://arduino.cc/forum/index.php?topic=121734.0>

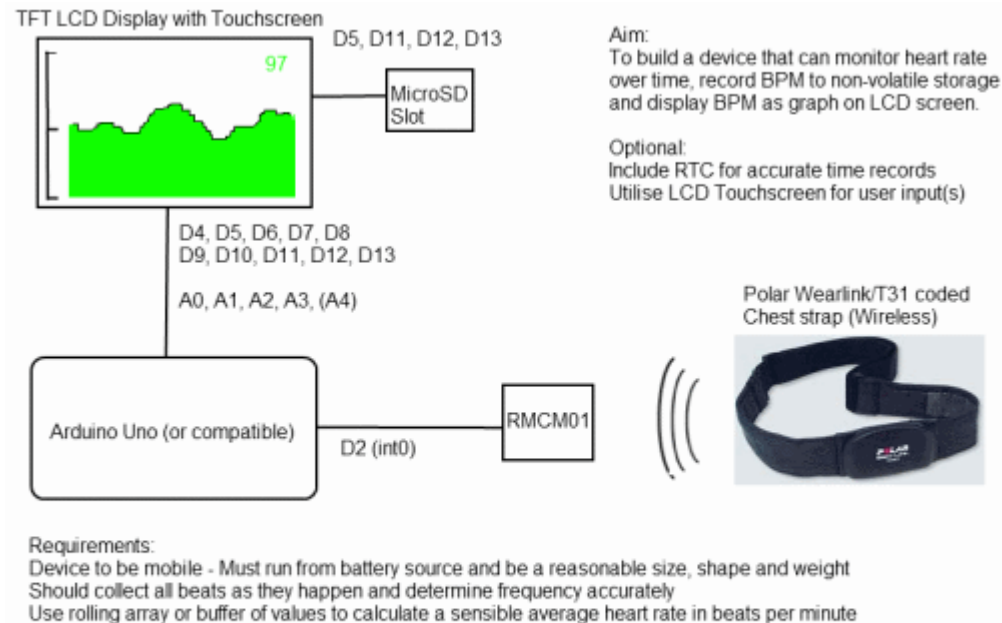


Oximeters:



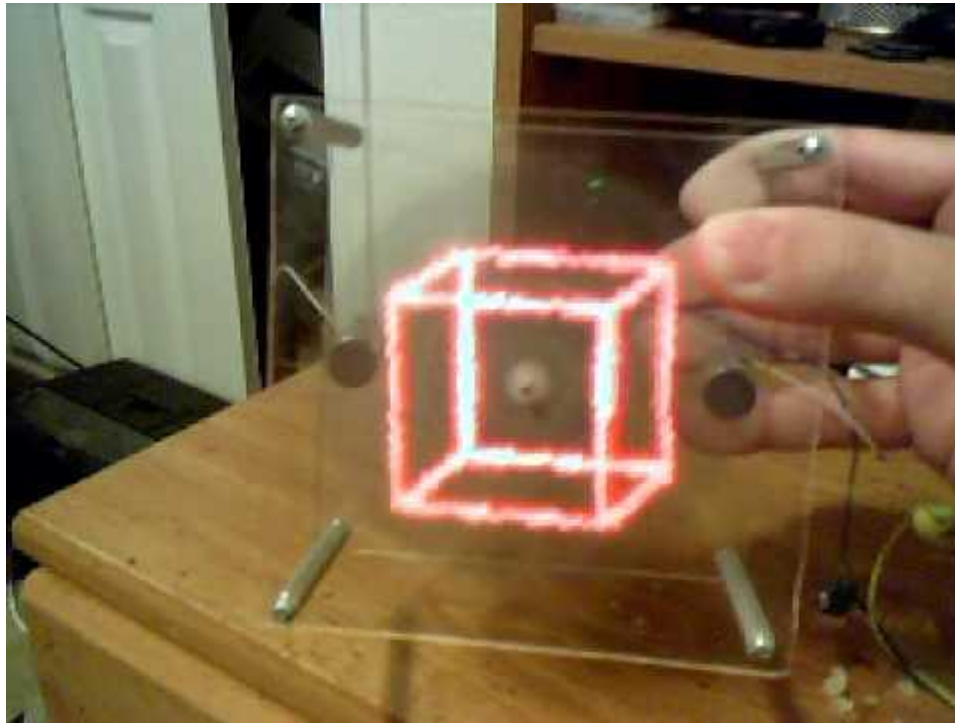
Pulsómetros:

<http://randomcontent.wolfnexus.net/RandomSite/arduino-hrm/>



Proyectos: POV

Most Awesome POV (Persistence of Vision) Display



Proyectos: POV

Most Awesome POV (Persistence of Vision) Display



Proyectos: Video



Conclusiones

Gracias por vuestra atención

