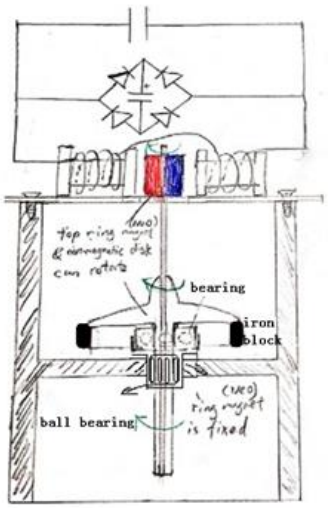
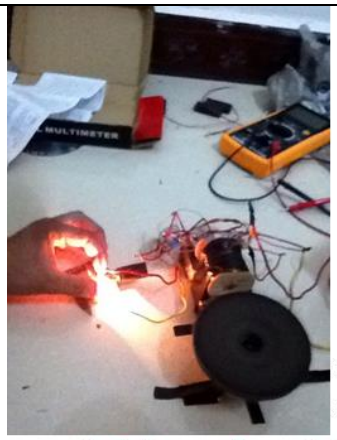
LC resonance self-running generator

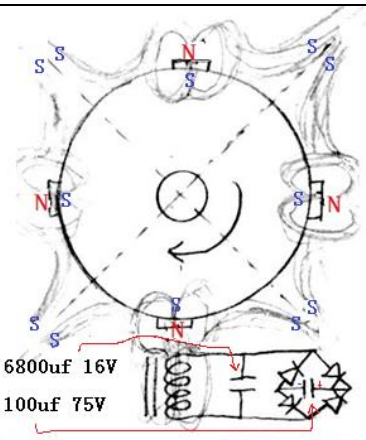
----------last update @2014-6-23 -------editor: 423382589@qq.com

For your own safety, wear safety goggles before you do this experiment. In order to spread out the truth of not only over unity but self-running device, the needs for a working mini self-running generator is in urgent. It should be designed to be easily produced, replicated and at a very low cost. I have searched for this kind of device for a long time until I find a video on Youtube. It shows as following, first posted by WilbyInebriated. Later on, a Chinese replicated that device with the same circuit.



Magnetic generator





rotor should be accelerated above resonance speed before let go! Needs: 1N4007 diodes * 4, bundle up 6 welding rods as magnetic core with 25AWG 50 meters long magnetic wire.Capacitor value labeled on picture.

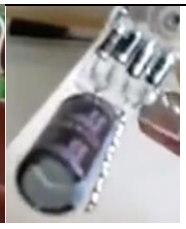
The height of the coil is **8cm long.**

original one on youtube:
http://www.youtube.com/watch?v=Tz_C3LsD_Pg （video 1）
http://www.youtube.com/watch?v=7_Sbtw8nriE （video 2）
or
http://v.youku.com/v_show/id_XNzA3NzkyMDU2.html (video 1)
http://v.youku.com/v_show/id_XNzA3NzkyMDU2.html(video 2)
for Chinese users

Replicate by a Chinese. refer as he

This one might be easier to replicate.
No video yet. Sorry!
Use mild steel welding rods.

video1



Video2

Resonant speed of rotor at around 7000rpm. Output Voltage around 68V at resonance. Diodes should be 1N4007 or 1N4006.

For the coil, I recommend you buy the cylinder shape-like

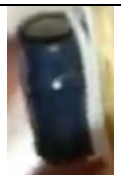
Resonant speed of rotor: unknown. Do not have tool to measure it but has a very high speed.
Output Voltage around 72V and Current is 0.3A **at resonance.** They are **simply LC resonant circuit**. It has an easier setup with the black rotor and just one coil made by **25 AWG coated magnetic wire** approximately **50m long**.(I don't know what is the inductance here. He didn't have the device to measure it. And also do not know the speed of the rotor when the resonance occurs). The oscillator capacitor is **6800uF**, voltage above **16V** is OK. It is not very important for oscillator capacitor. The capacitor on the output which connects with 4 diodes (IN4007 is good enough) is at least **75V**. Capacitance value is not important for this capacitor. The strength of 4 magnets has to be **strong magnet**. And your rotor should have **some mass** on it to store **kinetic energy** once it speeds up.
Further tips: There are might be a special winding for the coil. the inventor is not yet expose it. The diameter of the coil should be approximately same as the magnet. (told by

inductor online which has dimension 9*12mm and choose between **41AWG to 39AWG** for enameled magnetic wire.

Material lists:

Oscillator capacitor
Unknown value
Test


combine capacitor & cylinder magnet


Polarized cap **has initial charge up**

Video2 | Video1


Axial electrolytic capacitor +3/8 inch *3/8inch or 1cm*1cm strong magnet = video2 capacitor

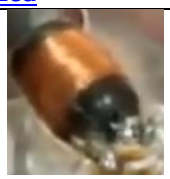

= video1 not necessary this value

Output side capacitor
Voltage need to be at least **70V**. Don't care the capacitance for self-running purpose.


Video1


Video2

Neodymium Permanent magnet (pick within N35 to N42)diametrically magnetized

Inductor 
Value unknown
Best distance varies depends on the present rotational speed and other factor

Use high speed bearing with small gap between the inner ring and outer ring would be good.

Make your own flywheel with the same shape shown here


Video 1


Video 2

The iron block on the flywheel is probably used for shift the weight center down because the flywheel is probably the top cap of a RC motor. The top part of the rotor includes the magnet is remove from a inrunner rc motor.

the inventor.)

Material lists:

Oscillator capacitor
6800uF 16v
Remember: Capacitance change, resonant frequency change.

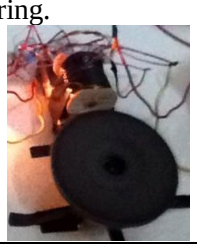

Polarized cap **need initial charge up**

Output side capacitor
Voltage need to be at least **75V**. Don't care the capacity. **But the higher capacity store more energy.**

Neodymium Permanent magnet (pick within N35 to N42)
Axially magnetized

Hand-made Inductor
Height: **8cm**
Diameter: between **7-8cm**
Diameter of the core approximately 7mm.
25AWG 50meters long insulated wire.

Use high speed bearing with small gap between the inner ring and outer ring.



Use Grinding wheels between 12-18cm diameter. Look at above graph on the right and use their size ratio since the core is 8cm long.

This kind of high speed electric grinder or any type of motor is needed for startup.
(Initial speed has to be at least 1.5 times larger than the ideal calculated resonant value.)

Tips: Use highly balanced flywheel + high speed bearing for rotor (e.g. hard drive bearing)