

Electronics Workshop - July 27, 2017

Time & Location:

7:00 PM

Fire District 6 Training Room, 2123 Jackson Highway, Chehalis, WA

Topics:

1. General Exam Antenna Questions (G9B)
2. Lissajous patterns
3. Measuring 60 Hz with Arduino

Notes:

1. Lissajous frequency ratio: $f_y / f_x = \text{horizontal line crossings} / \text{vertical line crossings}$
- 2.

Reference:

1. General Exam Question Pool: <http://ncvec.org/page.php?id=364>
2. PC Based Signal Generator: <http://www.dr-jordan-design.de/signalgen.htm>
Runs directly from .exe file without installing.
3. Lissajous Figures:
<https://www.electrical4u.com/lissajous-patterns-of-cro/>
<http://www.electronixandmore.com/projects/scopepong/index.html>
4. Arduino Reference:
<https://www.arduino.cc/en/Reference/HomePage>
<http://www.gammon.com.au/interrupts>
5. RC Filters: http://www.electronics-tutorials.ws/filter/filter_1.html