

REG Experiments - Overview

While doing experiments about the influence of human consciousness on plants I was aware of the problems that came with this method:

- There are many factors (temperature, humidity, vibration) that can have an effect of the outcome of an experiment.
- The different plants I was working with had their own "character", so the success of signal recording was unpredictable.
- These two main factors lead to the big problem: It is very difficult to reproduce the results of these experiments.

A few years ago the "Global Consciousness Project" was mentioned at a conference held here at Findhorn.

The basic idea of the GCP experiments, to use an electronic Random Number Generator (RNG) or more correctly Random Event Generator (REG) to measure possible effects of human consciousness on the physical reality thrilled me. As we are having many events here at the Findhorn Foundation Community that involve large group meditations or other group activities like dancing and singing together I was interested to see if there is a visible effect on an REG.

The "allmighty" Wikipedia has a good introduction into REGs and RNGs - [click here](#) to take a look at the article .

I am happy that I was able to get myself an "Orion" Random Number Generator. The "Orion" is one of the devices that is being used in the GCP experiments. It looks like a simple serial gender changer, but the patented electronics inside create a constant stream of digital ones and zeroes out of two electronic noise sources.

I have attached the "Orion" to the serial port of an old laptop that is living an undisturbed life on a shelf in my office. It is located in the basement of the Universal Hall , the main venue here at Findhorn. The laptop is running the standard "gcepgg" software on Debian Linux storing the data locally instead of reporting to the GCP servers.

For data analysis I am using the EggAnalysis program. This program is providing an easy to use GUI for the statistical analysis of REG data in the GCP format. One of my future projects is to write a platform independant Java application for data analysis.

I also wrote a little python script that is providing a live display (with a 10 second delay) of the cumulative deviation of the REG data. You can download the script here: [realtime.py](#)

You need Visual Python and Python Serial installed in order to run the script. Please check the script and change the settings for the serial port (set to `/dev/ttyUSB0`) if needed.

I want to make clear that I am not an expert in statistics and when I started digging my head into the whole subject of analysing random data, terms like "Stouffer-Z" and "Chi Square" almost made it into my dreams. What I am presenting here is not meant to be a correct scientific analysis, but some food for thought that makes us think about how important it is to think about what we think....