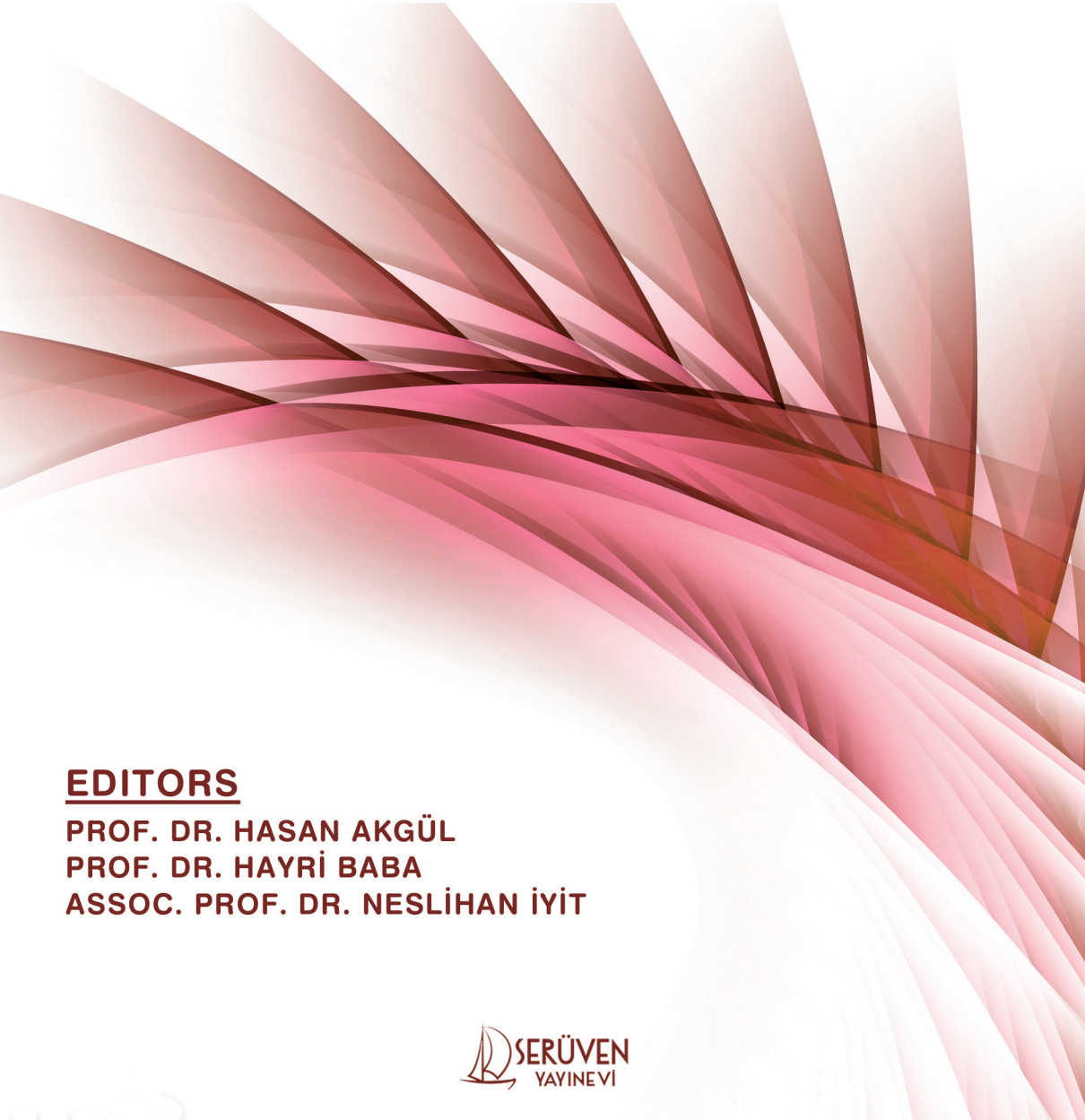
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Chapter 10

ORIENTATION OF SPIN SYSTEMS WITH HAARP TECHNOLOGY

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1. Introduction

In 2023, a 7.7 magnitude earthquake occurred in the Pazarcık district of Kahramanmaraş on 6 February. After this earthquake, a second earthquake occurred at 13.24. The magnitude of the earthquake, whose epicenter was in the Elbistan district of Kahramanmaraş, was recorded as 7.6. After these two earthquakes, discussions gained momentum that earthquakes were triggered by unnatural ways and artificial techniques. The prevailing view is that the earthquakes were allegedly initiated from HAARP facilities in the US state of Alaska and directed by American aircraft carriers in the bay. This study is about the contention between physics and metaphysics.

There is a profound difference in physics between definite and indefinite integrals. When you assign upper and lower bounds to an indefinite integral, you have made the transition from mathematics to physics. This is actually the very definition of physics. Physics is the optimized version of mathematics. The language of the universe is mathematics and its limits are endless. Physics does not accept this and optimizes it. To give an example, consider an engine. Physics does not accept the suggestion of mathematics, which says that it works with all kinds of fuels such as gasoline, diesel, kerosene, spirit and hydrogen, and optimizes it. It says that this engine will run on gasoline, that engine will run on kerosene, and that engine will run on hydrogen.

Mathematics is beyond physics, and physics is the optimized version of mathematics. From this point of view, metaphysics says that the laws of physics will never be completely true. This definition is also correct. If you add $\pm\infty$ to the lower and upper bounds of an indefinite integral, do you pass physics? The most logical answer depends on what you expect. If you say we pass, you may not be accepted because the terms $\pm\infty$ and 0 are objects in mathematics, but have no equivalent in physics. Zero denotes absence, $\pm\infty$ denotes inaccessibility. Just like accepting that two parallel lines intersect at infinity. This is unnecessary. Fortunately, physics has found a solution to this, the limit state of mathematics. Physics can find solutions that mathematics cannot find directly, based on experimental data, such as reverse engineering.

2. A look at the concept of energy

It is difficult to give a precise definition of energy because its definitions on the macroscopic and microscopic scales are different. These definitions are for us. Energy, defined as the ability to do work on a macroscopic scale, does not have to do work on a microscopic scale. When the force pulling a car does work on a macroscopic scale, the change in internal energy in heating a water predicts its definition according to the laws of thermodynamics. The unified field theory, which states that there is actually only one force in nature and that we perceive it differently in different applications, is not yet incomplete and complete.

The energy transferred from one point to another is called heat energy and this energy can be transferred in three different ways. Each of the physical contact, transport and radiation paths has different processes in itself. The most daring in energy transfer is electromagnetic radiation. Few people, other than experts working in this field, are aware of the transfer of magnetic energy through electromagnetic radiation.

3. Effect of magnetism

Let us give two examples of the transfer of magnetic energy by means of electromagnetic radiation. Induction heating technology, which is widely used in laboratories and industry, has almost entered our homes. The general mechanism of inductive heating can summarized by three successive physical phenomena. It is the creation of eddy currents by transferring the electromagnetic energy to the part to be heated through the coils, the conversion of the eddy currents into heat by the Joule effect, and the heat transfer from the hot region (surface) to the cold regions (deep) heat flow. These processes must completed. The basis of electromagnetic induction is based on Maxwell's laws, which describe the distribution of thermal energy generated by induced currents in the work piece.

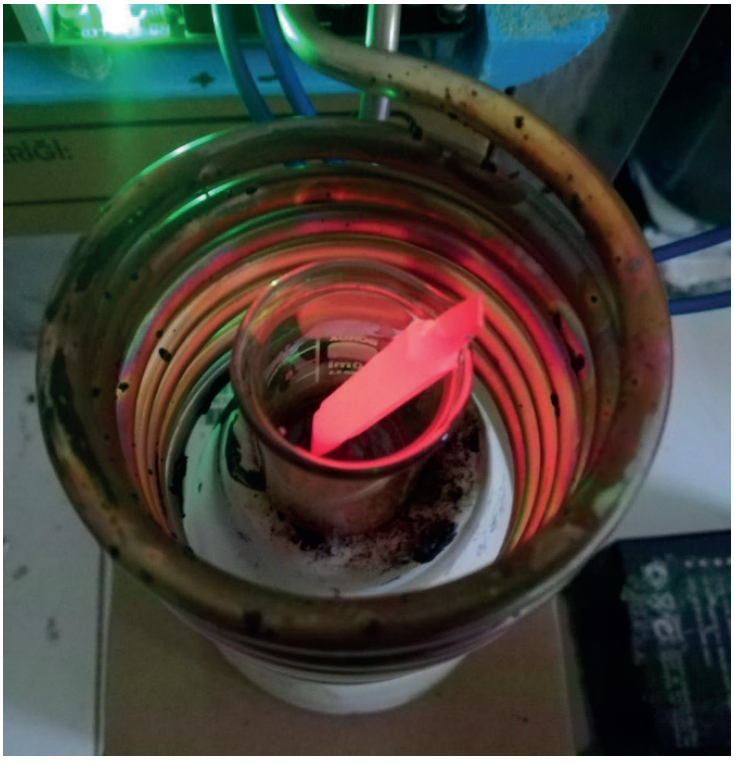


Figure 1. Heating effect of magnetism

Figure 1 shows the state of a piece of steel heated close to its melting temperature with an inductive heater in our laboratory. Due to the ferromagnetic property of the steel workpiece, the hysteresis losses caused by the spins that change direction with the change of the magnetic field cause the material to be heated. The red glow of the steel is similar to the magma layer found underground. Both are susceptible to magnetic influences.

The magma itself, which is located under the layer that forms the earth's crust, is in a molten state because it is very hot. In the structure of the mantle, they are molten rocks, most of which contain some minerals such as highly molten iron, magnesium and calcium, and the part that reaches the earth is called lava [1]. While the surface of the lava, which is under the influence of open air, takes on a dark color, the high-temperature molten mixture continues to spread under the influence of gravity [2].



Figure 2. Exposed lava cools to a deep black color, while the molten rock beneath glows bright orange.

The molten presence of rocks composed largely of ferromagnesium silicates in the Earth's upper mantle leaves the door open to its magnetohydrodynamic effects. This means that magnetic liquids or melts can be directed to flow under the influence of an externally applied magnetic field. Consider that when you want to create an earthquake in a region where there is a fault line with a structure suitable for breaking, it is sufficient to apply magnetic pressure to this molten structure with ferromagnetic feature. Therefore, we can use an aircraft carrier to generate this triggering magnetic field. This aircraft carrier looks like an aircraft carrier but actually has coils with huge coils hidden underneath; let this aircraft carrier have a small atomic battery. Most aircraft carriers actually get their electricity from an atomic battery. The magnetic field oscillations created by these coils fed with tens of

thousands of currents can create magnetic pressure on the fault line and force it to break. According to geologists, at least as much energy as the power of an atomic bomb must be transferred to trigger an earthquake. This is true for the crust near the mantle. In fact, components with magnetic properties also respond to very low magnetic fields. Field strengths do not follow the strict rule. There is not four wheels to an engine, but an engine to all four wheels, and it is long-range. Figure 3 shows the VSM results of a ZnO semiconductor doped with various proportions of Co. While undoped ZnO has diamagnetic property (black curve), its ferromagnetic property increases as it is doped with Co (blue curve). The application of a small magnetic field is sufficient to magnetize this compound [3].

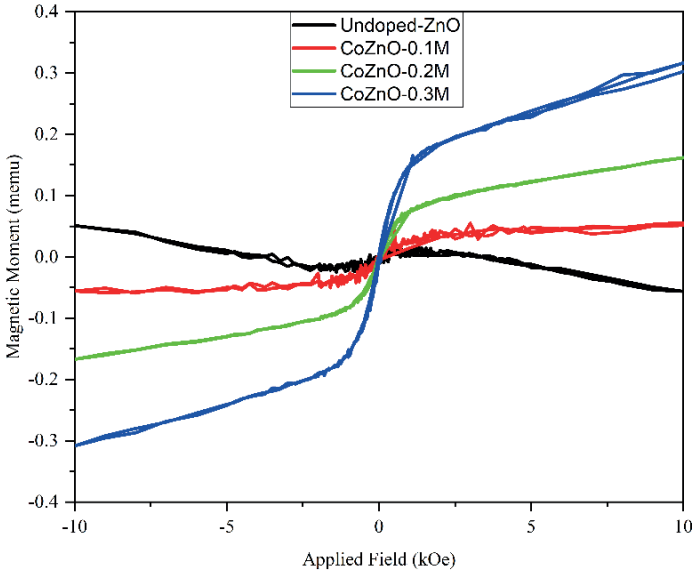


Figure 3. VSM results of Co-doped ZnO semiconductor.

The presence of ferromagnetic components such as Fe, Ni and Co in the earth's crust and molten magma layer means that these molten, liquid-solid rocks will be affected by the applied external magnetic field oscillations. The earth is a gigantic magnet that produces its own magnetic field. These magnetic field oscillations in the VLF, ELF and ULF bands produced in the earth's crust may not be sufficient to trigger artificial earthquakes. Still, there are two more possibilities.

4. NMR phenomenon

The NMR phenomenon can briefly summarized as follows. A collection of spins under the influence of an external magnetic field splits into Zeeman

energy levels. The difference between these energy levels depends on the magnitude of the applied magnetic field. If a radio frequency radiation equal to the difference between the two energy levels applied to the system, a resonance phenomenon called spin reversal takes place. This event is a sign that the sent energy absorbed by the system and notifies us by sending an NMR signal.

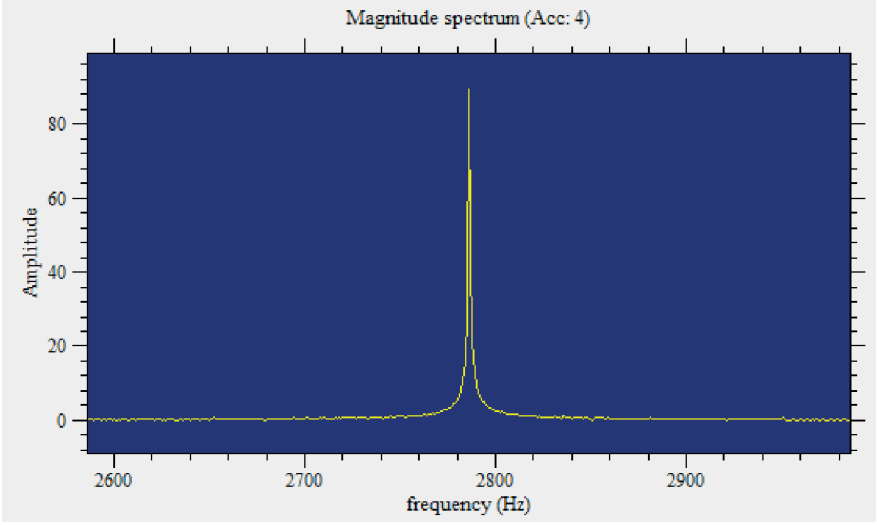


Figure 4. NMR signal of drinking water taken in the earth's magnetic field.

Figure 4 is the pure NMR signal of drinking water obtained in the earth's magnetic field. This signal was obtained from the EFNMR device in our laboratory working in the magnetic field of the earth. The fact that this signal is so pure and clean is due to the good NMR sensitivity of the spins of the hydrogen atoms that make up the spin ensemble. For this reason, the NMR sensitivity of the nuclear spins forming the hydrogen atom is assumed to be one. There is another reason why this signal is good. The higher the number of spins involved in the resonance event, the higher the received signal strength. The signal is the vectorial sum of the signals given by the individual spins, because the field strength acts on each spin individually. In other words, the signal represents the net magnetization vector of the spin ensemble. This is the elegance of the sigma $\sum$ operator in mathematics. Other techniques are used to acquire NMR signals of compounds with very poor NMR sensitivity. For example, in order to receive the weak NMR signals of fluorine compounds, we can also strengthen the NMR signal by stimulating the electrons, which are also spins. This technique is known as the double resonance NMR technique, since the weak NMR signal is more clearly contributed by the electron spins excited by the ESR (electron spin resonance) technique. After all, it has support from one spin community to another spin community. Is

the artificial earthquake triggering of the magnetic field pulses produced by the aircraft carrier with a second radio frequency support directed over the ionosphere from Alaska, similar to the double resonance NMR technique? This works because field strengths are long range and can access individual turns individually. Various sources say that the HAARP technique is used to communicate at very low frequencies with American navy ships navigating the oceans. India protested China, saying its soldiers were being cooked with microwave weapons. China denied this news, who cares. Very low frequency magnetic field oscillations must go beyond HARP technology being a climate weapon. No one but one person knows enough about the capabilities of HAARP technology.

5. Nikola Tesla

The mysterious genius Nikola Tesla is considered the father of alternating current [4]. Thanks to the alternating current motors and machines that he found with his engineering intelligence, we are living the comfort and joy of the current century we live in. Following the death of Tesla, who also pursued the international intelligence services due to his numerous discoveries, his own works, which he had encrypted, were stolen from the hotel room where he stayed. It is said that among the stolen documents, there are documents closely related to HAARP technologies [5]. We do not know if Tesla was aware of the existence of spin and spin waves when listing his numerous discoveries. I could not find any significant information in the publication scans I made. I think the past century has belonged to electrical science, and the next century will be the century of magnetism. Right or wrong, let us focus on the two issues attributed to him, wireless energy transmission and the Philadelphia experiment.

The further away two or more spin particles are from each other, the more they can communicate with each other simultaneously. In other words, two spin particles interact with each other no matter how far apart they are. In the physics world, this topic is known as quantum entanglement. The speed of this interaction is said to be much higher than the speed of light, and the constancy of the speed of light in the universe is still a controversial issue. In Tesla's wireless energy transfer, it is not the electrons transferred, but the activation of the electrons, namely the spins, where they should be. How Nikola Tesla accomplished this is an engineering problem, not a physics one. If a spin that is trillions of light years away can interact with spin regardless of time and space, it means that whoever controls the world of spins can rule us.

The Philadelphia Experiment is an experiment that are said to have been carried out on October 28, 1943 in the state of Pennsylvania by the American navy, based on Tesla's secret projects [6]. In this experiment, the DE173 class 1240-ton USS Eldridge, a naval protection destroyer, returned to the Norfolk

naval base 640 km away in a short time. Although there is no evidence of the existence of the experiment, the dream is beautiful, let us continue. Are you aware, we are talking about a directed mass transfer? A mass transfer to the region where the fault line is to be broken can create enough pressure to trigger an earthquake. This technique is the quantum mechanical equivalent of what geologists call hydraulic fracturing to create artificial earthquakes. We live in a universe where mass and energy are equivalent.

6. Artificial earthquake generation

If magnetic energy can transferred by radiation, then let us produce an artificial earthquake. Let us also decide how we should apply the data we have obtained to the earth. Figure 5 shows the experimental setup used to generate the artificial earthquake. This assembly actually consists of a coil that converts the square wave sent to it into magnetic pulses and a magnet group that converts these magnetic pulses into mechanical vibrations. This magnet group represents the magma layer of the earth.

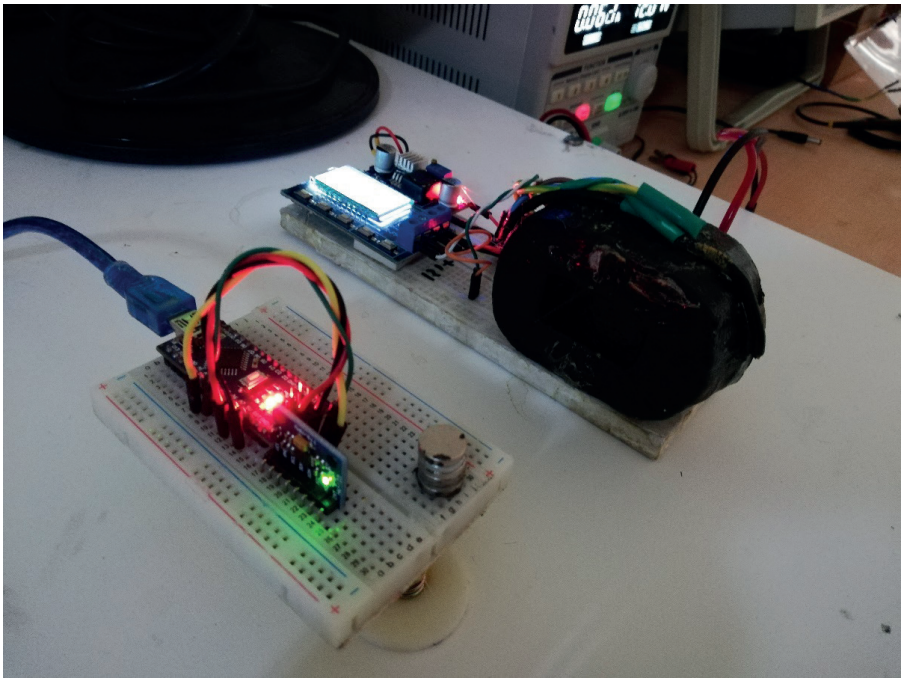


Figure 5. Artificial earthquake generator.

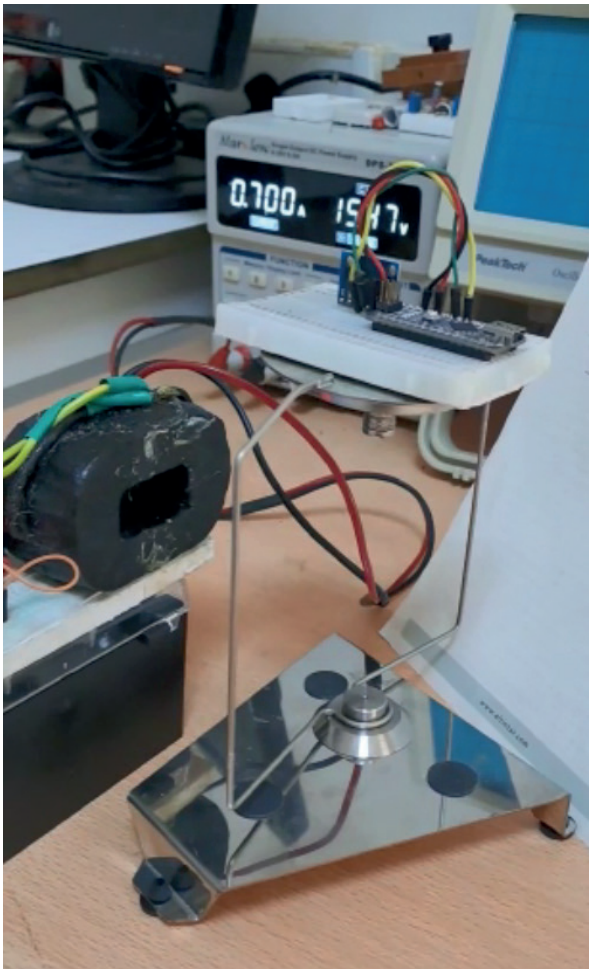


Figure 6. Artificial earthquake simulator.

In a sense, it converts magnetic energy into vibrational energy. An MPU6050 vibration sensor was used to detect these vibrations. The magnet group symbolizing the magma is affixed to the bottom of the mechanical earthquake mechanism. Each magnetic energy pulse is transformed into vibrational energy in this mechanical mechanism.

Figure 6 is the position of this experimental setup placed on the mechanical earthquake setup. As the mechanical earthquake mechanism vibrates, the MPU6050 vibration sensor placed on it converts the vibrations into signals and transfers them to the computer. Graphical interpretations of these transmitted signals are given in Figure 7, Figure 8, Figure 9 and Figure 10.

Magnetic energy pulses are produced at different square wave rates and frequencies. Square wave rates were chosen as 20%, 40%, 60%, and 80% stepwise, for each rate were applied at 1 Hz, 5 Hz, 10 Hz and 20 Hz frequencies, respectively.

Since the MPU6050 vibration sensor simultaneously measures the translational and angular acceleration components in three axes, each of the graphs is grouped in square wave (on/off) ratios.

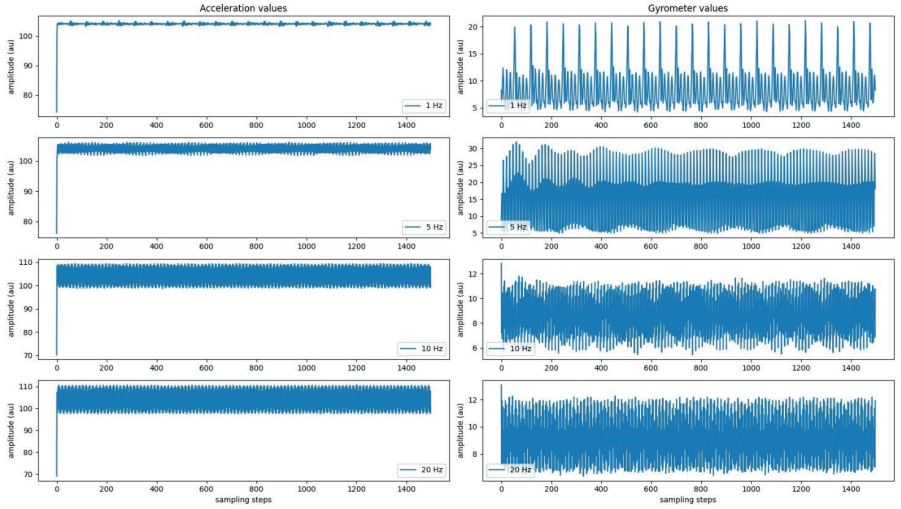


Figure 7. Signals received at 20% square wave rate.

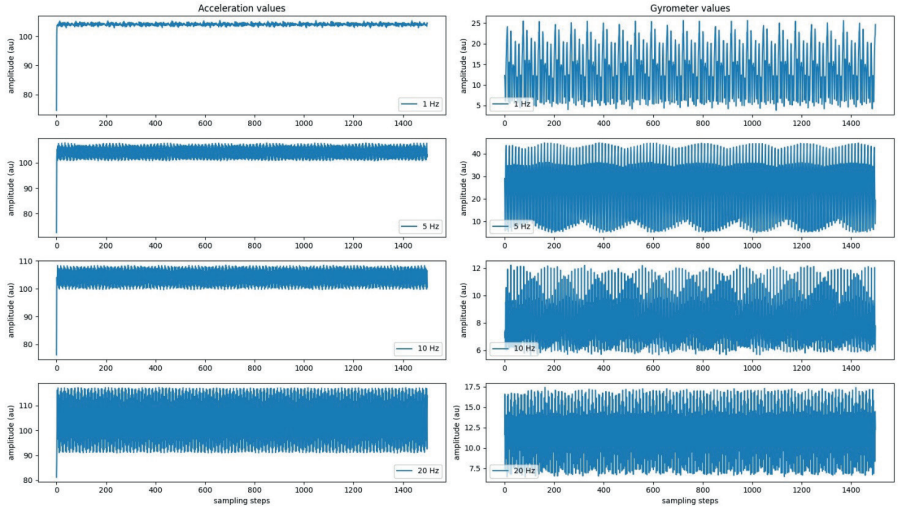


Figure 8. Signals received at 40% square wave rate.

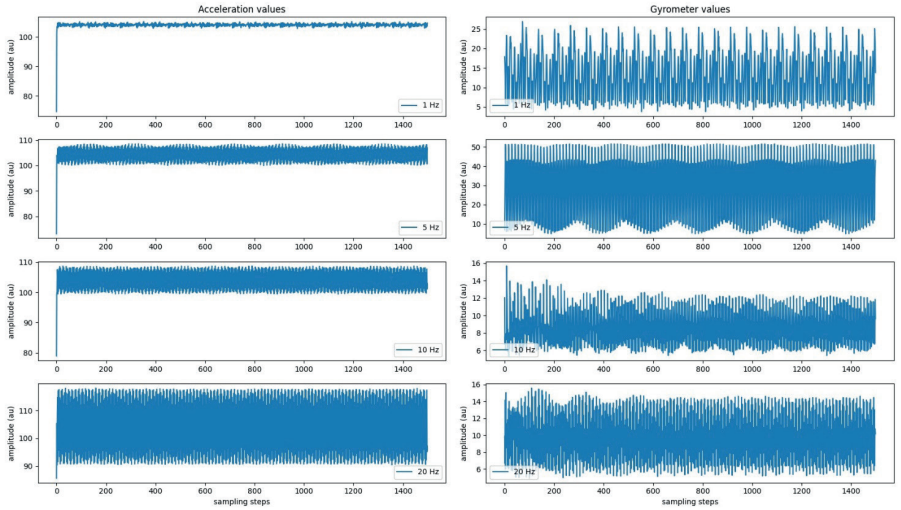


Figure 9. Signals received at 60% square wave rate.

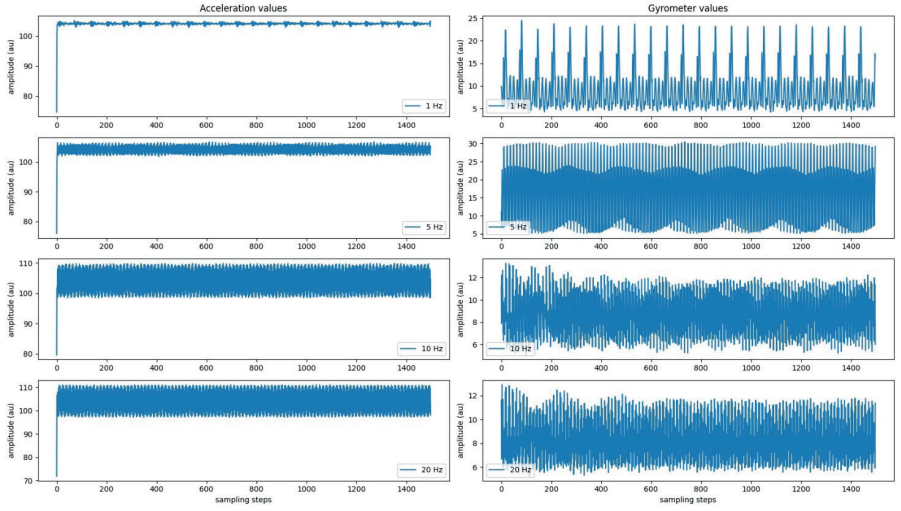


Figure 10. Signals received at 80% square wave rate.

Although each of the graphs above look the same, they are not. The junction point of the mechanical earthquake sensor, which is made by bending a metal wire in the form of a square ring, is not fixed to the ground, but is in a movable position. Therefore, it can also perform rotational motion. The right side of the graphics clearly indicates that the system is also subject to rotation. It is noticed that the amplitudes of translational and rotational vibrations depend on the square wave ratios and the application frequencies.

These charts are not important on their own. However, we can start from the amplitude and period values of the vibrations. Any physics book will say that the energy of a vibrating system is proportional to the square of the amplitude of the vibration.

$$E = \frac{1}{2}kx^2 \qquad (1)$$

In this equation, k is a local constant of the system and x represents the amplitude of the vibrating system. Let us rewrite this equation for a signal with period N in the Python scripting language [7].

$$P = \frac{1}{N}\sum_{n=0}^{N-1} x(n)^2 \qquad (2)$$

This expression gives the average power of a signal with period N. Average power includes the sum of translational and rotational kinetic energies. Figure 11 shows the average power plots obtained. This chart only summarizes the situation for this setup. In this mechanical earthquake mechanism, which represents the earthquake zone, it seen that the most appropriate magnetic pulses to be sent to create an earthquake should be at a frequency of 5 Hz and a square wave rate of 60%. This is also the local, natural vibrational value of that area.

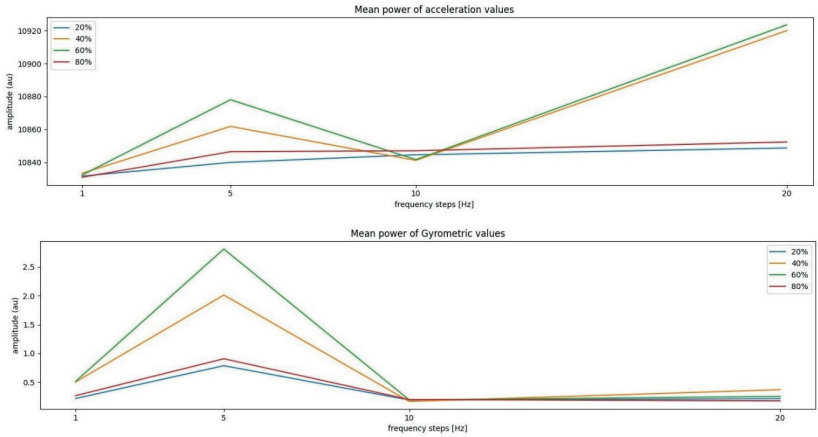


Figure 11. Average power values of vibrations.

7. Conclusion

The lines written by the conspiracy theorists should read. It is a way of understanding which theories of physics they interpret in their own world. The source of those lines they wrote may be the telepathic views of an alien in another corner of space. As FBI agent Fox Molder said, there are aliens among us. Dreams based on mathematical hunches are beyond physical and each one is real. The truth is out there.

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