

# International Journal of Innovative Research in Science, Engineering and Technology

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## Possibility of Using Heart Waves Patterns for Treatment of Humans

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**Abstract:** Living organisms like present-day computers and mechatronic machines have two distinct parts; hardware and software. Hardware is the physical part and the software is the programme that has been fed in the hardware to operate it. Limiting the focus of this pioneering research to humans and to animals, it can be shown through physics that a new-born of humans and animals have the instinctive ability to sense danger and comfort and have inbuilt system of identifying friends and foes. Realising any danger, they can raise the alarm to attract attention. All this can be proved through wave theory principles. The time is ripe to show that a super race human beings and a utopian society is possible through application of waves in matchmaking, selecting the right person for the right job, and possibly treating people using waves as medicine. Wave therapy can help improving cultures, societies and attitudes. The author has observed his mother treating patients with different coloured lights. Can the claims of treating illness with the help of 'medicine waves' possible? The author developed this theory about 25 years earlier and now publishing it after sufficient research has taken place and possibly this theory can be proved.

**Keywords:** Waves, Medicine, New-borns, Vibes, Vibrations, Sonic-treatment, Wave-treatment.

### I. INTRODUCTION

Earlier concepts of ether in the outer space that was considered as a medium for transformation of light and energy waves from sun to planet earth. However, when science progressed further, it was discovered that there is nothing in the outer space. The waves, or the electromagnetic waves do not require any medium to propagate from one medium to the other. However, now, the discoveries have been phenomenal and helping theories to be proved with new concepts.

Author's mother was a doctor who treated her patients with coloured lights. she would treat people with paralysis by using red colour light and would use blue and sometime green colour for treating high blood pressure. 3 decade ago it was possible, now it is provable.

Humans, like other living beings live in communities. Though species other than humans have not been able to go to school, read physics or invent different materials or products but they have learned to live with us in our rural environment. Be it a hawk or a pigeon, they now live in our society and have accepted humans as part of their fauna. Eagles are not nesting in rock but they are living in the skyscrapers. We have learned to live with them and protect them by making laws for their safety.

Socialising is humans' best pastime. They travel to different locations. Some like to sunbathe on beaches, and some love to mountaineering. Yet some like to listen to music and some like to dance. Have you ever observed that humans' grief is stronger than their pleasure?

This paper will present the 'theory' of the concept that human beings are wave generators and that every human has a different wave pattern. In the following paragraphs, common observations have been discussed that will logically lead to the fact that waves can be used for the following purposes:

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- a. New-borns have parents, a male and a female. Two hearts in two bodies one of a father and the other of a mother combines to form one heart in a new-born. When a baby is born, or to be exact, when the vital organs start beating, or in other words, when life in the womb is created. Do this aspect defy the 'law of conservation of energy' that says 'energy can neither be created nor destroyed but can transform in other forms of energy. The two bodies of parents, if combined under conducive environments, say a love relationship, the baby will have those energy patterns acquired from the parents. If, unluckily, it was a forced conception, taking the extreme adverse scenario, say a rape; will the baby have conception circumstances documented in the DNA? In my opinion, yes it will be documented in one way or the other. It will either be in the temperament of the child to be extremely agitated and short tempered or will come up in the DNA. My knowledge on this account is still in the infancy and is theoretical and through imagination of what may happen.
- b. Have the reader ever been in a situation when depression strikes, and under such psychological condition wishes to forget the grief by consuming alcohol. Many might have noticed that sometimes the mood is elevated and one just enters a disco and starts dancing to the tune even though the person is absolutely in a strange environment, not knowing anyone but still enjoys the music in a company of strangers. On the contrary, someone might feel depressed in a group of friends and acquaintances. What is the reason for such a contrast psychological situation where in the company of strangers one is happy and on the other hand, in the company of acquaintances one is depressed? I call it the mood environment. Or the vibes, just a sort for vibrations that may make you feel light and happy or sad.
- c. Have anybody observed that when a new-born is held by a parent, the baby is calm and comfortable on the contrary when someone else hold the same baby, the same baby starts to cry. Sometimes, even in the lap of a stranger, the baby feels comfortable. Many a times, during flights and during travelling in public transport, I held a stranger's crying baby; in just few seconds, the baby observed the change and started giggling. What are the reasons of these strange behaviours?

There may be many explanations to these strange behaviours. However, as an engineer who observes everything possible, I have scientific reasons to believe that body waves, vibes, aura, positive energies no matter what name may be given to such a behaviour, I will be able to show a scientific answer to this theory.

At this point in time when I am writing this paper, a programme is being televised on Channel 5 HD, UK on 08/02/2017 at 22: 00 hrs. This programme is about a child who was born with just 2% of his brain at birth. With care and love from his parents, the child started growing his brain. What is that energy that can grow a human brain. My answer to this question is simple and scientific. Our action, whether generated by love or hate produces corresponding energies. Since the law of conservation of matter says that matter can neither be created nor destroyed, nor could energy but through Einstein's  $e=mc^2$ , matter can be transformed into energy. Hence energy and matter are inter-transformable. The love energy of the parents and care that was being transferred to the baby through body contact and the eyes and the positive energies. That is why, in divine religions, it is preached that friends and families must visit the ailing persons to boost their energies so that the patient can heal quickly.

This paper is not about religion but about scientific proof for the love or hate actions. Let's consider another example from created machines. A mobile phone; when the charge is low, the phone beeps to 'raise' the alarm that the phone is in danger of collapsing; hence it must be energised. So are the babies.

Humans' hearts are pumping blood to keep us alive. As a matter of fact, they are energy producing machines. A heart beat is a sound wave. A wave is an energy entity. When it comes to waves, all the principles of waves are applicable to anybody that produces waves. In the following paragraph, a short update from the waves will be presented and a co-relation with human body will be developed.

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## Waves

Waves transfer energy from one point to another without transferring matter. They consist of disturbances which transfer the energy in the direction the wave travels without transferring matter.

From our basic physics class, we know that there are two types of waves.

### Types of waves

#### Transverse waves:

Transverse waves are wave in which the vibrations of the particles or medium in which the wave travels are at right angles to the direction in which the wave travels. Water waves are an example of transverse waves. These can be observed in a ripple tank. The animation below shows transverse waves created in a ripple tank.

#### Longitudinal waves:

Longitudinal waves are wave in which the vibrations of the particles or medium in which the wave travels are in the same direction as to that in which the wave travels. Sound waves are an example of longitudinal waves.

Since the principles of waves are common to all sorts of waves and even electromagnetic waves, the only difference is that the electromagnetic principles will be at play in addition to the normal waves, the basic purpose of sticking to basic physics is to make the concept of the applicability of waves to human application and then built up the concept of how these waves are the most important and significant entity to treat people but to lay foundations of a healthy, happy and a prosperous society.

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The author has used common knowledge available to anyone with an internet to help understand how our actions and reactions shape are society, our lives and our happiness. In the next paragraphs, some basic principles of waves will be discussed to help understand the concepts of waves, their effects on our body and how we may improve our next generations and society.

## Parts of waves

It is important that different parts of waves are discussed here. A wave has crest and trough as shown in figure 1. The distance between two crests or two troughs is one wavelength. The Height of the crest from the baseline is the amplitude.

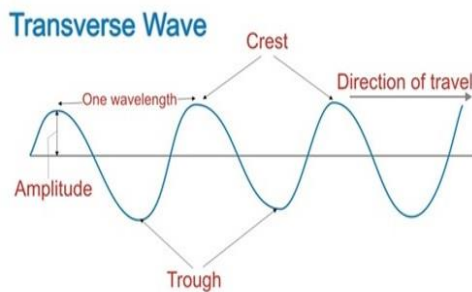


Figure 1: Transvers Waves.

The zone between the baseline and the crest or trough enclosed by the wave is the ‘area’ of the wave and is a positive entity even if it is found below the baseline. In such a case, it will be added or subtracted to give any resultant.

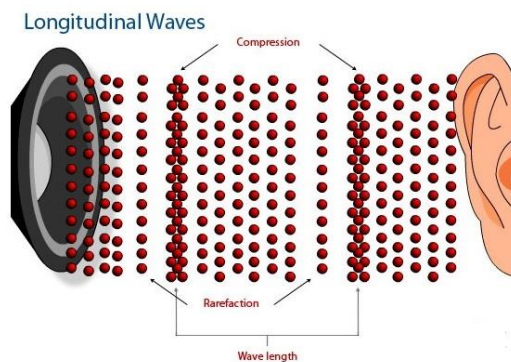


Figure 2: Transvers Waves.

Longitudinal waves have the wave length between two compression points as shown in Figure 2. All waves transfer energy.

## Principles of Waves:

**Constructive Interference:** Like any quantity, waves can be added or subtracted. When waves are added, it is called constructive interference. From figure 3, it can be noted that ‘Wave 1’ if added to ‘Wave 2’, it produces a bigger wave. This is a simple rule of addition that holds good for all types of waves.

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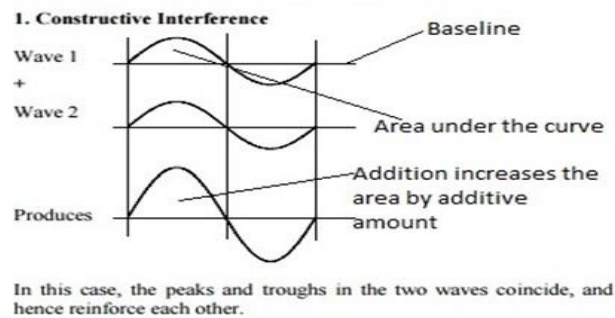


Figure 3: Wave addition.

**Destructive Interference:** As the name suggests, in destructive interference, the +area and – area cancels out each other and the result is a zero area under the curve if the opposing waves are of same amplitude and same frequency.

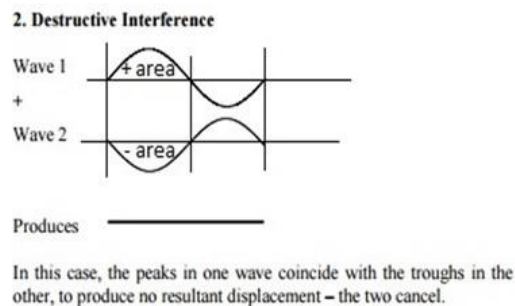


Figure 4: Wave subtraction.

## Out-of-Step Addition:

It is not difficult to understand that if the two waves of different amplitude and frequency are added the result would be an addition as shown in figure 5. The rules applicable to waves are simple and can be correlated to the waves produced by different wave producing entities.

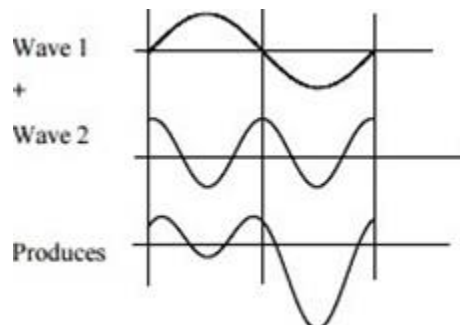


Figure 5: Out-of-step addition and resultant.

## Phase Difference:

Since waves follow a cycle that will normally be a closed loop. The loop may be circular or elliptical it will be covered by a 360° angles. Phase difference is a way of measuring if the wave is leading or lagging. As shown in figure 5, if the

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phase difference is zero, the waves are in phase or if the difference is  $180^\circ$  then they are completely out of phase, hence their addition will result in nullifying the opposite areas.

As mentioned earlier about the mood of a human being or their ability to enjoy in a strange place or feel depressed in the company of friends and relatives; the addition or subtraction of the resultant wave will bear an effect on our bodies. In a group of people, the resultant wave is in step with the new joiner of the party then the joiner will stay and feel energised with the resultant wave being in step. If the new joiner's resultant wave is not in step or in phase with the party's resultant wave, then the joiner will be depressed and will try to quit unless some dear friend makes him a close contact to alleviate the loner's mood and energy levels.

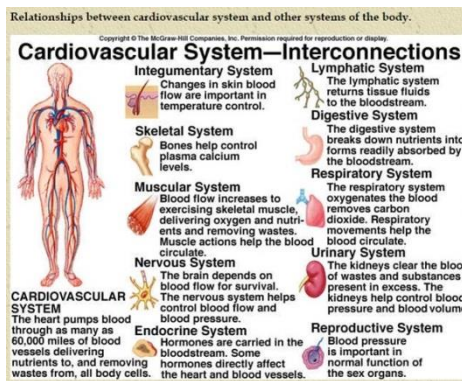


Figure 6: Human body and interconnections of different organs.

In all living beings, the heart is the wave energy producing organ. Our focus will stay for this paper to mammals only and precisely to humans as already clarified. Similar rules will follow for the other species too.

It is worthwhile to mention that simple experiments will make our research easier to understand. Let us consider a cup that has no liquid in it. If we strike the edge of the cup with a stick made of wood, it will produce a sound. However, if we strike the same cup with a metal stick of same cross-section, the sound will be different. Considering the cup and the stick only, we have two entities, one is the stick and the other is the cup. However, with the entities, size, density, temperature, cross-section and the force with which the two entities come in contact, each will act as a variable. So, the number of total variable will be ten for both the entities making our calculations difficult. As the entities, will increase so will be the variable making are calculations further complex. For this research, we will consider one more entity and that is the fluid in the cup.

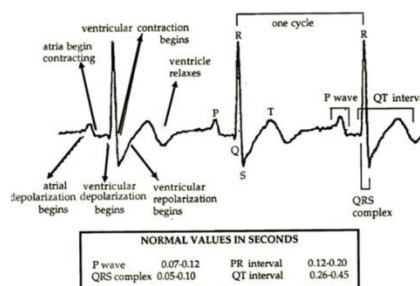


Figure 7: P, Q, R, S, T waves and normal values.

Though air in the cup is fluid and should be considered making the total entities to be three and total variable to be 15. However, we are not discussing the combinations that will come up with each entity's variation.

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If the density of liquid is changed, the sound will also change, or if the level or temperature of the liquid is changed so will the output. Referring to Figure 6, each body organ has some function that will change the temperature and the density of the fluid as well as that of the density of organ. However, during best health and happiness conditions, considering no illness, the system will produce happiness waves.

Let us now see how a human cardiovascular heart wave looks like and how it effect the wave frequency, amplitude and pattern that may be called aura of a person. Humans' heart waves are monitored by Electrocardiograph (ECG). Though human heart is a bio-electric pump that constantly functions from before birth to end of life. For the sake of this discussion, we shall use a normal heart and its values. The heart creates different waves and this is normal for every heart because all normal hearts have same configuration and function to perform. When any discussion regarding the patterns of any heart wave is discussed, it will be the comparison of these waves.

## Wave Pattern of a Newborn:

A newborn is a combined product of a male and a female, the parents. Hence it is necessary that by all laws of physics, the body of the new product (baby) should be an overlap or a mix of the parents.

Hence, it is this mix that generates a new wave pattern that is in phase or in step with the father as well as the mother with a lower energy level or in technical terms with lower amplitude. When mother hold the newborn, the heart wave of mother and the newborn being in step but lower in amplitude. Consider figure 3 for example, if wave 1 is considered as of the newborn, and wave 2 of the child, the resultant wave will be a wave in step and of higher amplitude or higher energy level. The higher energy level will keep the child comfortable as if the child has been fed. Those family members who are friends of the parents, when they hold the child, with little out of phase, the newborn will still feel comfortable at least for some time. However, if any person who is not from the family of the newborn, holds the child, since the energy waves will not be in sync an example given in Figures 4-5, the child's energy will start reducing or will sense danger and will start raising an alarm. An out of step wave cancels energy levels and the higher energy level will prevail. This is how a newborn in mammals and possibly in other species too recognizes their parents or friends.

## Wave Energy for Treatment:

For treating pains shortwave therapy is being used. Waves are energies and they can also be used for treatment. I have seen many cases where coloured lights were used for treatment and is a known procedure. Children with hearing disorders are treated with soundwaves.

## Analysis:

If a study is conducted to record the wave patterns of healthy males and females to develop a database where healthy wave patterns are recorded. These healthy wave patterns if used for therapy of unhealthy people may oscillate the problematic parts of the body to the right positions or uplift the body in right wave pattern. This is an open end research that can be used as a stepping stone to open this avenue for treatment.

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