

# wave

^Invalid YouTube URL provided

Harmonic **Pendulum** Motions

"In the wave lies the secret of *Creation*." (Walter Russell)

A **wave** is a highly complex continuous [reciprocating interchange](#) from one primary state or condition to a seemingly opposite state or condition. These periodic motions are usually designated as [vibration](#) and [oscillation](#). see [Universal Heart Beat](#), [rhythmic balanced interchange](#), [pendulum](#)

**Astounding wave models:** Reuben Margolin is a kinetic sculptor, crafting beautiful pieces that move in the pattern of raindrops falling and waves combining. Take nine minutes and be mesmerized by his meditative art — inspired in equal parts by math and nature. [Wave Motion mobiles](#) ↗

---

## Keely

"The [introductory impulse](#) represents the [sympathetic chord of unity](#) to [polar attraction](#). When this is given, the [polar outreach](#) is immediately established in the [polar circuit](#), which seeks to [assimilate](#) itself to the [anti-polar](#), or [triple groupings](#); but as the [alternation](#) of the [two circuits](#) represents a [condition](#) of [sympathetic antagonism](#) (as 8 is to 9), an [intensified differentiated wave motion](#) is [induced](#) between the two, thus [developing](#) eight [alternations](#), or **waves**, to one [revolution](#) of the [device](#)." [The Operation of the Vibratory Circuit]

"In [organ pipes](#), of a certain calibre, very sensitive **waves** occur at intervals; as according to the [character](#) of the [sound](#) evolved; but on a combination of [resonators](#) composed of brass tubes of more than [nine](#) in number, a **wave** of [sound](#), induced by certain [chords](#) passing over them, produces high [vortex action](#) of the [air](#) enclosed in them. The [vibration](#) of [tuning forks](#) induces alternate condition of the [air](#) that surrounds them, if in open [atmosphere](#); but quite a different [action](#) presents itself when the forks are exercised in [resonating tubes](#), set to [thirds](#) of the [mass chord](#) they represent. Then high [vortex action](#) is the instant result. [Vibrators](#) cannot be set promiscuously in tubes, and get such results, any more than a musician can render a musical [composition](#) on the [violin](#) before tuning it." [Appendix I]

"In the [image of man](#)" Keely constructed his [liberator](#). Not literally, but, as his [vibrophone](#) (for collecting the **waves** of [sound](#) and making each **wave** distinct from the other in [tone](#) when the "**wave plate**" is struck after the [sound](#) has died away) is constructed after the [human ear](#) so his [liberator](#) corresponds in its parts to the [human head](#). [Snell Manuscript - The Book, page 2]

S. Zolver Preston, in his "Physics of the Ether" says: "A quantity of [matter](#) only 1 gram and of the normal [velocity](#) of the [ether](#), or a **wave** of [light](#) encloses a state of [energy](#) represented by 1,000,000,000 foot tons. Or the [mass](#) of a grain contains an [energy](#) sufficient to project a [weight](#) of 100 tons to a height of 1.9 miles." [Snell Manuscript - The Book, page 3]

---

## Russell

"The **wave** is the foundation of [God's creative](#) expression. By means of **light-waves** [God](#) expresses His two desires. There can be nothing more simple than the **wave** principle of equal and [giving and regiving](#) for the [purpose](#) of repeating the [giving and regiving](#). Complexity lies only in multiplying simplicity. The principle that two times two are four is simple, but the same simple principle applies when you multiply 5648 by 4872. All you have done is to create the [idea](#) of complexity by multiplying simplicity. That in no wise alters the simple principle.

"When you learn to think in terms of the **wave**, you will find yourself living in another world. The more you know the **light-wave** which records [God's](#) thinking, the more you will be enabled to think with Him. The more you think with [God](#), the more you will know, for [God](#) is all [knowledge](#) and His [knowing](#) will be your [knowing](#)." [Russell, The Message of the Divine Iliad, page 208-209]

"Waves are not those parts which are either wholly above or wholly below their axes. One wave of any dimension is that portion of the sequence which is bounded by the turning point of one crest and the next trough.

"The **inertial plane** of the **wave** coincides with the line of axis of the **wave**.

"A **wave** begins at the **inertial plane** and extends in both directions from the **inertial plane** to its repetitive point at **trough** and **crest**." [Russell, *The Universal One*, page 182]

"God thinks in **electric pulsations** which are recorded in motion as **four pairs of rings** which are compressed into spheres. Each **cyclic pulsation** is manifested by the projection of **four concentric light rings** in one **plane** from one point of **Magnetic Mind-Light**, in which the **red** half of the **spectrum** is on the outside of the rings and the **blue** half on the inside. These **four rings** are the **seed of the octave wave** and occupy that position in the **wave** known as the **zero group** of the elements, or **inert gases**." [Atomic Suicide, page 119]

"The **great mystery of all of the mysteries of matter** lies hidden within the **inert gases** of the **wave**. The nature and structure of these **keys to motion** has never been known." [Atomic Suicide, page 169]

"If you will study the **corner reflectors of radar**, as shown in figures 62-63, and their relation to **ring projections** from **inert gases**, and observe their **spiral** formation, as shown in Fig. 64, you will better comprehend the **wave**, which controls the construction of all **matter**." [Atomic Suicide, page 273-274]

"This is a universe of **waves** within **waves** and **waves** without **waves**; pulsing **waves** of **dual light**, extending forever outward to the ends of mirrored space and reflecting back again to microscopic **centers of rest** from which they may again spring from **rest** to seek **rest** through **dual motion**, but never finding it." [The Secret of Light]

"God is **Light**. God is **Love**.

God's creating universe is founded on **Love**. It is creating with **Light**.

"The principle of **love** is **desire** to give. God gives **love** by extending His **Light**. God's **love** is a **mirror of Light** which reflects His giving of **love** by the **regiving of love**.

The **law of love** is **rhythmic balanced interchange** between all givings and regivings.

The symbol of **love** is the **wave** of **dual light** which gives and regives equally and rhythmically. This is a **dual electric wave universe** of interchanging light." (Fig. 1)

God's **Love** is everywhere; His **Light** is everywhere. There is naught but good in God's **omniscient universe**. Evil is a product of man's **thinking**.

God extends His **love**, His **power** and His **knowing**, radially, from **zero points** of **omnipresent stillness** to other **zero points** in the measure of His **desire** to give form to His imag-

page 219

inings. The **intensity** of **desire** extended from **centering points of rest** to **extended points of rest** determines the **dimension of desire**. (Fig. 2)" [Russell, *The Secret of Light, PART III: Omnipresence The Universe of Being Postulates and Diagrams*]

"The present concept of atomic structure has no resemblance whatsoever to Nature's processes for there is no place within wave mechanics for it to fit into. This universe consists solely of **waves** of motion. Any theory which cannot find a fitting place within the **wave** has no other place for it in Nature." [A New Concept of the Universe, Dr. Walter Bowman Russell (May 19, 1871 - May 19, 1963)]

"The present concept of atomic structure has no resemblance whatsoever to Nature's processes for there is no place within wave mechanics for it to fit into. This universe consists solely of **waves** of **motion**. Any theory which cannot find a fitting place within the **wave** has no other place for it in Nature. The present-day concept of atomic structure is based upon concentric shells, one within the other, which become the basis for revolving **electrons** placed according to formula upon those shell strata. Centering these geocentrically and geometrically placed **electrons** are nuclear groups of separately-and-oppositely-charged **protons** and **photons**. By adding one **electron** to an outer shell, an element next in number is produced. Conversely it, is believed that if one **electron** could be

knocked out of an element, such as [mercury](#), the next succeeding element - [gold](#) could be produced.

Insofar as [Natural Law](#) is concerned, one might as well say that if one of the children of a French family dies, it would change the family's nationality to Italian." [Russell, [A New Concept of the Universe](#)]

"Chemically these [zero points](#) of beginnings and endings are the [inert gases](#) of the elements, the patterned [seed record](#) from which the [octave waves](#) of the elements of [matter](#) appear. The [inert gases](#) are the [seed](#) from which patterned waves of the elements spring as oak trees spring from the patterned [inert gas](#) which centers the acorn. The [plane](#) upon which the [inert gases](#) rotate is 90 degrees from the [plane](#) of [carbon's](#) equator, which is upon the [wave's](#) [amplitude](#)." [Russell, [Mirrors and Lens of Cosmic Cinema](#)]

"The [inertia line](#) is the axis of the [wave](#). It is the [line of equilibrium](#) between [opposing pressures](#)." [Chart One [Wave of Any Substance](#)]

ALL MOTION IS EXPRESSED IN **WAVES** - THEREFORE MUST ALL DIMENSIONS BE MEASURED WITHIN **WAVES**.  
[Dimension Chart 5]

The [universe](#) of [dimensions](#) is divided into [plus and minus equilibrium](#). The universal [seesaw](#) is ever tilting above and below its [balancing point](#) in [inertia](#). Both [movements](#) are [simultaneous](#) and exactly balance[d]. The [wave](#) is the universal [seesaw](#) within which all [dimensions](#) are [measured](#). [Dimension Chart 5]

### "**Mathematical Relations are Constant**

The mathematical relations of any [wave](#) of [energy](#) never change. All [dimensions](#) expand and contract in [opposite directions](#) of the same [ratio](#)." [**Mathematical Relations are Constant**]

"ALL ENERGY IS EXPRESSED IN **WAVES**. ALL **WAVES** ARE DIVIDED INTO [PRESSURE ZONES](#). ALL [PRESSURE ZONES](#) ARE SUSTAINED BY [PRESSURE WALLS](#) ERECTED IN DEFINED [LOCKED POTENTIAL POSITIONS](#)"  
[**Mathematical Relations are Constant**]

---

A more comprehensive insight into vibration/wave is contained in [Keelys Laws of Being](#).

---

### **Ramsay**

Musical sounds are usually caused in the [ear](#) by certain vibrations of the surrounding air, which originate from solid bodies in a state of [vibration](#) from some [force](#) exerted upon them. Vibrations of the air require to attain a certain [rate of speed](#) before they become audible to the human ear; and they require to have certain [ratios of rate of rapidity](#) in order to constitute that beautiful host of sounds which constitutes the [music](#) of mankind. These [musical vibrations](#) may arise in the air from a vibrating [organ pipe](#), or a vibrating [tuning fork](#), or a [bell](#), or a [sounding glass](#), or a [strand of wire or gut-string](#), or other rhythmically vibrating body; but to explain and define the nature of a [musical vibration](#) from the [action](#) upon it of an elastic string is to explain and define it for all. But before defining what a vibration of a [string](#) is, let us hear what others have said about it. Charles Child Spencer, *Treatise on Music*, p. 6, says- "It is customary in calculating the ratios of vibration of musical strings, and which answer to the [waves](#) of the atmosphere, to reckon by [double vibrations](#), so that instead of saying there are 32 [single vibrations](#) in the lowest sound, C, writers on this branch of music say there are 16 [double vibrations](#) in this sound. This method of calculation, therefore, gives 256 vibrations for the fourth Octave C." Playfair, in his *Outlines of Natural Philosophy*, p. 282, says- "It is usual to reckon the vibrations of a string different from those of a [pendulum](#); the passage from the highest point on one side to the highest point on the other is reckoned a vibration of a pendulum; the passage from the farthest distance on one side to the farthest distance on the other and back again to its first position, is the accounted a vibration of a musical string. It is properly a double vibration." Holden, in his *Rational System of Music*, says- "Mr. Emerson reckons the complete vibration the time in which a sounding string moves from one side to [[Scientific Basis and Build of Music](#), page 22]

---

"From the definition of *energy* it is the *potential* of the Universe. When *matter* is in a phase allowing it to be active, it effects other quantities of *matter* at a distance. The method of transfer is known to be by means of **wave motion**. Each *impulse* moves from the omitting to the receiving *mass* on a rigorously straight line. One continuous set of oscillations in this right line is called a *ray*. Each *negative* or *Thomsonian corpuscle* makes a double *vibration* to and fro like a *pendulum* straight across the direction of the *ray*; i.e., at *right angles* to it, the *corpuscles* moves over and returns to its original position it had before the excursion. Since the *corpuscles* are *negative* and can be drawn out of their original straight path by the action of *magnetism*, the entire **wave motion** of the Universe is electro-magnetic. This is what *Maxwell* prophesied many years ago. *Thomson* fulfilled the prophecy." [source unknown]

See Also

---

[amplitude of the wave](#)

[amplitude wave position](#)

[antiwave](#)

[bidirectional wave pair](#)

[Brain Waves](#)

[carbon octave wave](#)

[Chladni wave plate](#)

[Compression Wave](#)

[Compression Wave Velocity](#)

[Figure 6.10 - Wave Dynamics between Cube Corners](#)

[Figure 6.9 - Russell depicts his waves in two ways](#)

[Figure 7.1 - Step 1 - Wave Vortex Crests at Maximum Polarization](#)

[Figure 8.1 - Russells Painting of Wave Form Dynamics](#)

[Figure 8.10 - Each Phase of a Wave as Discrete Steps](#)

[Figure 8.11 - Four Fundamental Phases of a Wave](#)

[Figure 8.14 - Some Basic Waveforms and their constituent Aliquot Parts](#)

[Figure 8.2 - Compression Wave Phase Illustration](#)

[Figure 8.3 - Coiled Spring showing Longitudinal Wave](#)

[Figure 8.4 - Transverse Wave](#)

[Figure 9.10 - Phases of a Wave as series of Expansions and Contractions](#)

[Figure 9.11 - Compression Wave with expanded and contracted Orbits](#)

[Figure 9.13 - Wave Flow as function of Periodic Attraction and Dispersion](#)

[Figure 9.14 - Wave Flow and Phase as function of Particle Rotation](#)

[Figure 9.15 - Wave Flow and Wave Length as function of Particle Oscillatory Rotation](#)

[Figure 9.5 - Phases of a Wave as series of Expansions and Contractions](#)

[Figure 9.9 - Wave Disturbance from 0 Center to 0 Center](#)

[Figure 12.10 - Russells Locked Potential Wave](#)

[Figure 12.12 - Russells Multiple Octave Waves as Fibonacci Spirals](#)

[Figure 13.13 - Gravity Syntropic and Radiative Entropic Waves](#)

[Figure 14.07 - Love Principle: Two sympathetic waves expanding from two points have one coincident centering locus](#)

[In the Wave lies the Secret of Creation](#)

[Laws of Being](#)

[Laws of Being - Annotated](#)

[Modes of Vibration](#)

[Modes of Vibration - Annotated](#)

[Longitudinal Wave](#)

**Motion**

**Nodal Waves**

**Octave**

**Octave Wave**

**Ramsay - The Octave Scale a Compound one the Fifth the Natural Scale**

**Rayleigh Wave**

**seed of the octave wave**

**Standing Waves**

**Table 12.02.01 - Wavelengths and Frequencies**

**The Nature and Dynamics of Vibration and Toroids**

**The Octave Wave - painting**

**Three Main Parts of a Wave**

**Transverse Wave**

**Vibration**

**wave**

**wavi-linear**

**Wave Field**

**wave number**

**WaveLength**

**3.8 - There are no Waves**

**3.9 - Nodes Travel Faster Than Waves or Light**

**8.3 - Conventional View of Wave Motion**

**8.4 - Wave types and metaphors**

**8.5 - Wave Motion Observables**

**8.6 - Wave Form Components**

**8.8 - Water Wave Model**

**9.2 - Wave Velocity Propagation Questions**

**9.30 - Eighteen Attributes of a Wave**

**9.31 - Oscillatory Motion creating Waveforms**

**9.34 - Wave Propagation**

**9.35 - Wave Flow**

**12.05 - Three Main Parts of a Wave**

**16.06 - Electric Waves are Sound Waves**