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Mensioization Complementation

The Mathematics of Hermetic Alchemy

The Circumpunct (⊙) and the Sine Wave

This explication uses **CCS** (*Colored Coded Semantics*) for *Intuitive Learning*.

In ancient philosophy, particularly in *Pythagoreanism* and *Neoplatonism*, the symbol of a point in the middle of a circle is known as the **circumpunct** (⊙ *circled dot*). To pronounce "**circumpunct**," break it down by syllable: "sir", "come", and punkt (like "punctuate" without the "uate").

In the beginning the **circle** was revered across ancient cultures as a symbol of *unity*, *eternity*, and *divine* perfection, the circle stood outside of time—complete, unbroken, and whole. From this timeless form emerged one of the most foundational rhythms of modern mathematics: the **sine wave**. As a point rotates around the circle, its vertical projection traces a **wave** that pulses through physics and mathematics. This article explores how the sacred geometry of antiquity gave birth to the **sine wave's** elegant *oscillation*—transforming spatial harmony into temporal vibration. The **circumpunct** (⊙), holds a profound and multi-layered meaning. It represents the fundamental relationship between a single (**ONE**), originating principle and the created universe.



The **circumpunct** is an ancient and widespread symbolic glyph. It is known by various names and holds significant meaning across many cultures and disciplines, it most notably represents

the *Sun* (by its astrological symbol ☉). In theology it is the unification of the *divine* and the *created*, which represents the totality of existence.

Symbolic Meanings

The *sun* is a prominent symbol of the *circumpunct*, representing its common meanings of divinity, completeness, life, and cosmic order. The sun is a universal symbol of *life*, *warmth*, and *energy*, and its symbol, when seen as the sun, carries the themes of existence and spiritual awakening. The *circle* symbolizes the *infinite*, *wholeness*, or the *material universe*, while the central *dot* can represent a *focal point*, the *self*, or a specific *entity*, such as the *divine* within the *created world*. This symbol is seen in various contexts, including ancient Egypt as the *Eye* of *Ra*, a representation of the sun god.

Meaning and Symbolism

The theological *circumpunct* symbolizes the connection between the *divine* and the created *world*, with the circle representing God's all-encompassing nature and the dot representing God's presence or a central focus within creation. The circle can represent *wholeness* or the *infinite*, while the *dot* represents a central, unifying point, symbolizing unity and the universe's interconnectedness. The symbol can also represent the *cosmos* as a whole or the individual's central essence or *self*, particularly in spiritual contexts.

Freemasonry uses the *circumpunct* as a core symbol, connecting it to the sun and *gold*. It can also represent the individual *self* or the *soul*. The *circle* can signify completeness and the universe, with the *dot* as the point of manifestation or the center of the *self*. It has been used to represent the alchemical element gold, the Moon, and stars, as well as to signify concepts like *wholeness*, *destiny*, and *eternal* cycles.

Pythagoreanism

For the followers of Pythagoras, who believed that all things were made of numbers, the symbol was foundational to their cosmology and theology. The central point, or "*Monad*" (*unity*), was the origin and generator of all things. The Pythagoreans saw the *Monad* as *God* and the ultimate "*Good*". The central point is the "*seed*" from which everything emerges and to which everything eventually returns. The subsequent drawing of a circle around this point symbolizes the manifestation of *consciousness* and the *cosmos*.

Platonism and Neoplatonism

The concept was further developed within the tradition of *Platonism*, particularly in its later, mystical form, *Neoplatonism*. Neoplatonists saw the central point as "the *One*," the ultimate and ineffable *first* principle, from which all of existence emanates. The *circle* represents the *material* world, which is a perfect, though a lesser, expression of the *divine* intelligence.

The relationship between the *center* and the *circumference* is a dynamic process of *expansion* and *contraction*, like the breath of the cosmos. Radiating "rays" from the center representing the divine principle extending outward to animate the universe.

On a psychological and spiritual level, the *point* symbolizes the *spirit*, the *circle* symbolizes *matter*, and the journey between them represents the *soul's path*, first to the *material* and back to the *divine*. The goal of spiritual enlightenment is to achieve an inner, concentrated unity with the center.



Hermeticism and Esotericism.

These ideas were adopted and integrated into the Hermetic tradition, which drew heavily on both Neoplatonism and Egyptian sources. Hermetic thinkers interpreted the *symbol* as representing *God* in its creative aspect, where the *circle* is the field of "*undifferentiated creative power*" (pure potential) and the *point* is the instigator of *creative* activity.

The symbol illustrates the "*as above, so below*" principle of *Correspondence*, where the same pattern of divine creation can be seen at all scales, from the macrocosm of the universe to the microcosm of an atom or cell.

Fast Forward to the Modern Era

Now that we have a multiple introduction to the *Circumpunct*, we found that the *center dot*

represents the *divineness* of the *creator* and the *circle* is representative of the *created universe*; we will now define the *created universe* or do a more in depth discussion on the transformation of the *circle*.

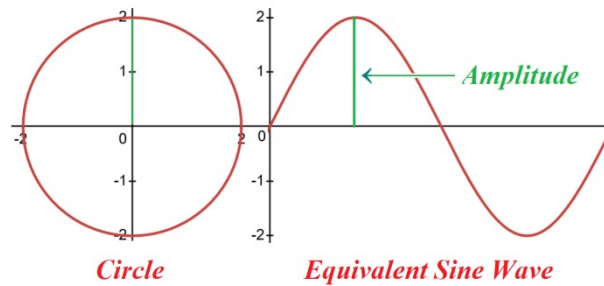


The above graphic is our beginning philosophical representation of the *Circumpunct*; it will be replaced with one that represents the “*duality*” of the *creative principle*. The “*Circle*” can be mathematically reduced to “*two*” functions in which the entirety of the universe consists. These *two* functions are “*Energy*” and the mathematical “*Sine*” function.

The *creative circle* is considered one “*cycle*.” If we begin at any random point on the *circle* and travel the full distance around the *circle* we will eventually return to the original starting point and have completed one *cycle*. At this beginning point if we travel the same circumference again we will have completed two *cycles* around the circle. A *cycle* is one complete circumference around the circle.

In ancient traditions, the circle symbolized unity and the eternity of the divine. Plato’s “perfect forms,” the *Ouroboros*, and *mandalas* all reflect the circle’s centrality. The circle’s lack of beginning or end made it a metaphor for cosmic cycles and spiritual wholeness. If we introduce the idea of a point rotating around a circle, the vertical projection of that point over time *traces* a *sine wave*. This projection transforms spatial symmetry into temporal rhythm and is the birth of the *Sine Wave*. The sine wave then inherits the circle’s qualities of *periodicity*, *balance*, and *symmetry*. It becomes a heartbeat of modern physics, music, and signal processing. Where the circle is spatial perfection, the *sine wave* is temporal harmony

If we consider the *circle* (*cycle*) to have a radius of **2** then the *amplitude* of its equivalent “*sine*” wave would also be *two* (**2**). We then can draw our new graphic:



In the illustration above, the *circle* has a *radius* of *two*. Note the *Amplitude* of the wave is equivalent to the *radius* of the *circle*. The Amplitude squared is a measure of the *sine* waves' *energy*. We have just transposed the *circle* of the *Circumpunct* to a *Sine Wave*.

With the mathematics of a method called "*Tracing*." For a circle with a radius of *2*, a point moving around this circle will trace the path of a *sine wave* with an *amplitude* of *2*. Its vertical position will oscillate between *+2* and *-2*. The speed or velocity at which the point moves around the circle determines the *frequency* of the sine wave (how often it completes a *cycle*). The time it takes for the point to complete one full rotation around the circle is the *period* of the *sine* wave.

Once we have formed the *Sine Wave* and defined a *cycle*, the mathematics advance to what are called "*Wave Functions*." We also enter the world of "*Harmonics and Quantum Theory*."

Quantum Theory explains the behavior of *matter* and *energy* at the atomic and subatomic levels, which is fundamentally different from the macroscopic material world. Its basic function is to provide a mathematical framework to understand phenomena such as the *quantized* (*discrete*) *energy* levels of atoms. This theory is the foundation for modern technologies like lasers, transistors, and quantum computers. One of the basic tenets of *Quantum Theory* is wave functions which includes the *sine* wave that was transformed from the *Circumpunct*. The symbol itself was an integral part of our advancement from ancient philosophy to the modern era.

