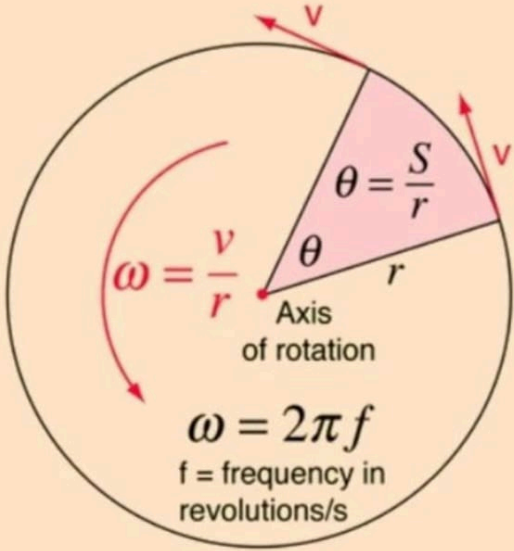


rotational velocity

Angular Velocity



The diagram shows a circle with a central point labeled 'Axis of rotation'. A radius r is drawn from the axis to the circumference. A small sector of the circle is shaded pink, with an angle θ and arc length s . The relationship $\theta = \frac{s}{r}$ is shown. A curved arrow indicates angular velocity ω , with the equation $\omega = \frac{v}{r}$ next to it. A curved arrow also indicates frequency f , with the equation $\omega = 2\pi f$ and $f = \text{frequency in revolutions/s}$ below it. Two red arrows labeled v are shown tangent to the circumference at different points, representing tangential velocity.

For an object rotating about an axis, every point on the object has the same angular velocity. The tangential velocity of any point is proportional to its distance from the axis of rotation. Angular velocity has the units rad/s.

$$v = \omega r \quad \text{or} \quad \omega = \frac{v}{r}$$

Angular velocity is the rate of change of angular displacement and can be described by the relationship

$$\omega_{\text{average}} = \frac{\Delta\theta}{\Delta t}$$

and if v is constant, the angle can be calculated from

$$\theta = \theta_0 + \omega t$$

Angular velocity can be considered to be a vector quantity, with direction along the axis of rotation in the [right-hand rule](#) sense.

[Vector angular velocity](#)

(click to enlarge ↗)

Keely

"Taking into consideration even the introductory conditions of the [etheric stage](#), [etheric vibration](#) has proved to me that the higher the [velocity of its rotating stream](#) the [greater is its tendency towards the neutral center or centre of sympathetic coincidence](#). Were it otherwise, how could there ever be any planetary formations of the building up of visible [structure](#)? If a billiard ball were rotated to a certain [velocity](#), it would separate in pieces, and the pieces would fly off in a tangent; but if it were a ball of [ether](#), the higher the **velocity of rotation** the stronger would be the tendency of its [corpuscles](#) to seek its [centre of neutrality](#), and to hold together." [Keely and His Discoveries] [[Vibratory Physics - The Connecting Link between Mind and Matter](#)]

Schauberger

generated, which increase by the [square](#) of the **rotational velocity**. In a certain sense this can be interpreted as the application of a [brake](#) by a violated [Nature](#). With the use of my patented [suction-screws](#) (see figs. 4 & 5) on the other hand, performance and efficiency are increased in the same [ratio](#) through [molecular processes](#) wherein [quality](#) is built up, with the result that [over-unity energies](#) can be generated. [[The Energy Evolution - Harnessing Free Energy from Nature, The Biological Vacuum - The Optimal Driving Force for Machines](#)]

The pressure turbine

On the 16th of May 1913 Prof. Dr. [Viktor Kaplan](#) was able to inform the world's leading [turbine](#) manufacturers that he had succeeded in achieving **rotational velocities** and efficiencies with his newly designed [impeller](#), which far exceeded existing norms. [[The Energy Evolution - Harnessing Free Energy from Nature, Cadaverine](#)]

Poison in Ray-Form - Ptomaine Radiation]

This explains why, for example, the **resistance to motion** increases by the **square** of the unnatural (**centrifugal rotational velocity**) in all technical, hydraulic and dynamic pressure- and heat-increasing machines. This, however, does not occur if **medial masses** (earth, water & air) are accelerated 'originally' in the manner of the natural **motion** of the Earth's **mass** (see fig. 9), namely **centripetally** along the **longitudinal axis**. Such **motion**, which builds up everything indirectly and maintains the whole Earth in delicate **equilibrium**, can be copied in a manner true to **Nature** with the aid of very specially constructed and **alloyed devices**. [The Energy Evolution - Harnessing Free Energy from Nature, Cadaverine Poison in Ray-Form - Ptomaine Radiation]

This special **form of motion**, still unknown to conventional **science**, can **magnetise** a **tripolar mass** of air or water up to a maximum of 36% virtually **without cost**. To do this a particularly **constructed, profiled** and suitably **alloyed form** is required, which promotes the **evolvment** of a **developmentally progressive energy**, the **power** of which **increases** in **proportion** to the **centripetating rotational velocity**. In this **process** it is possible to overcome **physical weight** and **mental torpor** effortlessly at almost **no expense**. Accordingly, **magnetism** is therefore **levitism**, the **creative (metaphysical) counterforce** to **electricism**, the latter being the **decomposive energy-form** that actuates **gravitism**, or **physical and mental relapse** (the death state). [The Energy Evolution - Harnessing Free Energy from Nature, Magnetism - Electricism]

All **systems of technical, hydraulic and dynamic motion** cause the **axial->radial dissociation** of the **tripolar masses** of air and water, through which **pressure**, which **generates lower-grade heat-forms**, **increases** by the **square** of the **centrifugating rotational velocity**. This results in **electrolytic dissociative processes**, wherein the **oxygen** becomes **free, unipolar** and highly **aggressive**, and **consumes and digests** the **carbones** (fermented fatty-matter), which become **passive** under this **heat influence**. [The Energy Evolution - Harnessing Free Energy from Nature, Magnetism - Electricism]

Precisely the **opposite dissociation** is inaugurated when the **suctional component** prevails or is **dominant**. This is because **suction**, which **produces higher-grade coolness**, **increases** in **proportion** to the **centripetating rotational velocity**. This **invigorating (quality-enhancing) suctional effect** can only be created when a **tripolar mass** of water or air is **radially->axially rotated** at high speed about its own axis. [The Energy Evolution - Harnessing Free Energy from Nature, Magnetism - Electricism]

This **biotechnical system of mass acceleration** produces **upwardly flowing magnetism**, whose **formative and levitative force** **increases** by the **square** of the **radial->axial rotational velocity** (see fig. 14) in a **naturalesquely constructed, contoured** and **alloyed generating device**. This system is still unknown to today's purely **mechanistic science**, which is founded on too low a level of **knowledge**. [The Energy Evolution - Harnessing Free Energy from Nature, Magnetism - Electricism]

Up to now we have therefore been forced to use **flowing electricism** for the **purposes** of **generating low-grade power, light and temperature (heat)**. As a result, the **essential formative and uplifting force - magnetism** - was relegated to the **subordinate** role of providing the **resistance** necessary for all **motion**. That this **resistance to motion** must **increase** by the **square** of the **initiating rotational velocity** that produces it, is readily understandable because it concerns the **development** of **metaphysical fuels**, for which the **force of resistance** required for the **acceleration** must **increase concurrently and proportionally**. For this reason the '**crowning law**' (the Conservation of Energy Law) of today's **technology** is **fallacious** inasmuch as the supposedly **quiescent magnetic resistance to motion** can be **transformed** into a '**flowing**' **magnetic motive force** and conversely, **pernicious electricism** can be **transformed** into the aforesaid **supportive force (resistance)**. The means to achieve this is the **Repulsator** (see figs. 24-26) or the **Repulsine** (see figs. 30-33), which have hitherto remained unknown. [The Energy Evolution - Harnessing Free Energy from Nature, Magnetism is the Function of Levitism and Electricism is the Function of Gravitism]

In the **unnatural, degenerative direction** of **acceleration**, which operates along the **transverse axis (centrifugally)**, i.e. in an **axial->radial mode**, the **magnetism (= levitism)** here acts as the **resistance**. Compared to the **counter-flowing electricism**, it appears to be in a certain state of **rest**, the **magnitude** of its **resistance or support** **increasing commensurately** with the **acceleration** of the **downwardly flowing electricism (= gravitism)**. This is the

origin of the tragic [misconception](#) that in all [motion](#) the [resistance increases](#) by the [square](#) of the [starting velocity](#). However, in [reality](#) this only happens when any given [mass \(matter\)](#) is made to move [technically, hydraulically or dynamically](#)[2], i.e. [axially->radially \(centrifugally\)](#), therefore [unnaturally](#). For if any given [mass \(matter\)](#) is made to move [radially->axially \(centripetally\)](#), then the [upwardly flowing magnetism \(levitism\) increases](#) at the expense of the [disintegrative \(destructive\) electricism \(gravitism\)](#) and thus the [naturally ordained formative and levitative forces intensify in proportion to the starting \(radial->axial\) rotational velocity](#). With this [type of motion](#), which is of course only possible with very special [motion-inducing shapes \(profiles\)](#), the effective [performance](#) amounts to about 96%. In this case only about 4% of the [original formative energies](#) are lost in [producing the resistance to motion](#) required by [Nature](#). In [technical, hydraulic and dynamic motion](#) precisely the [opposite](#) is the case and this is how the enormous [consumption of fuel](#) came about, which is exclusively expended in a manner [destructive of Nature](#). [[The Energy Evolution - Harnessing Free Energy from Nature, Magnetism is the Function of Levitism and Electricism is the Function of Gravitism](#)]

See Also

[angular acceleration](#)

[angular momentum](#)

[Angular Momentum coupling](#)

[orbit](#)

[orbital angular momentum](#)

[rate of rotation](#)

[rotating envelope](#)

[rotatory envelope](#)

[rotation](#)

[spin](#)

[spin angular momentum](#)

[square of the rotational velocity](#)

[whirl](#)