

Frequency

Frequency is a parameter of an oscillation or wave that characterizes its temporal periodicity. It is numerically equal to the number of periods that occur per unit time. The unit of frequency is Hertz (**Hz**), the physical dimension is **s⁻¹**. The duration of a beat, period **T**, is related to frequency as follows:

$$T = \frac{1}{f}$$

Related to frequency is the circular frequency **ω**, which is more convenient in some applications, although less illustrative:

$$\omega = 2\pi f$$

Links

Related articles

- Electromagnetic spectrum
- Hearing
- Acoustic wave/propagation

Literature

- NAVRÁTIL, Leoš – ROSINA, Jozef. *Medicínská biofyzika*. 1 (dotisk 2013) edition. Grada Publishing, 2005. 524 pp. ISBN 978-80-247-1152-2.