

Periodicity and quasiperiodicity

Periodicty is the quality or state of being **periodic**, recurring at regular interval.

Periodic function

In **mathematics** a periodic function is a function that repeats its values in regular intervals. Examples are sinus, cosinus and tangent functions.

In **physics** periodic functions describe phenomena such as oscillations and waves.

Quasiperiodicity

Some systems display a pattern of recurrence with a component of **unpredictability**. The term **quasiperiodicity** can be used to describe such a system.

Physiology and medicine

In physiology/medicine the healthy heart rhythm (sinus rhythm), as measured by an ECG, is characterized by periodicity.

Heart rhythm disorders can be characterized by quasiperiodicity.

Links

Related articles

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Bibliography

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