

# Periodic Function 

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Betascript Publishers Jan 2010, 2010. Taschenbuch. Book Condition: Neu. 220×150×9 mm. Neuware - High Quality Content by WIKIPEDIA articles! In mathematics, a periodic function is a function that repeats its values in regular intervals or periods. The most important examples are the trigonometric functions, which repeat over intervals of length 2 . Periodic functions are used throughout science to describe oscillations, waves, and other phenomena that exhibit periodicity. Geometrically, a periodic function can be defined as a function whose graph exhibits translational symmetry. Specifically, a function $f$ is periodic with period $P$ if the graph of $f$ is invariant under translation in the $x$-direction by a distance of $P$. This definition of periodic can be extended to other geometric shapes and patterns, such as periodic tessellations of the plane. 152 pp . Englisch.

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