

Limit is a mathematical

Limit is a mathematical term for a certain limit number, to which an infinite sequence or function aspires. Accordingly, there is a distinction between the limit of the sequence and the limit of the function (at the point "on infinity"). It is also considered that the limit may be equal to "infinity".

History of development

This concept was used intuitively in the second half of the 17th century by the English physicist, mathematician and astronomer Isaac Newton (1642-1727), as well as by 18th century mathematicians Swiss, German and Russian mathematician Leonard Euler (1707-1783) and French mathematician, astronomer and mechanic Joseph Louis Lagrange (1736-1813). This was due to the fact that scientists of that time did not set themselves the task of building limit theory. The Czech mathematician, philosopher, theologian Bernard Bolzano (1781-1848) and the French mathematician Augustin Louis Cauchy (1789-1857) gave the first strict definitions of the limits of sequence in 1816.

The application of limits in practice

The theory of limits is very actively used in economic calculations, for example, in evidence and calculations that involve continuous processes; in financial rents. Function limits are used to find the asymptotes of a function chart when studying it.

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