

History of Integrals

Start Date	End Date	Event	Place	Note	Source
0001	0001	Hippocrates 440 B.C	Chios	Found Areas of certain lunes.	http://ocawlonline.pearsoned.com/bookbind/pubbooks/thomasawl/c
0002	0002	Eudoxus 370 B.C		Development of the method of exhaustion.	http://ocawlonline.pearsoned.com/bookbind/pubbooks/thomasawl/c
0003	0003	Archimedes 287- 212 B.C.		Used the method of exhaustion to find the quadrature of the parabola. Found formulas for the sphere, cone, and paraboloid.	http://integrals.wolfram.com/about/history/
1335	1335	William Heytesbury	Merton College, Oxford	Devised methods for the determination of the velocity and then the distance traveled of a body that was assumed to be in "uniform acceleration" This we now do by finding two indefinite integrals, or antiderivatives in succession.	http://ocawlonline.pearsoned.com/bookbind/pubbooks/thomasawl/c
1571	1630	Johannes Kepler		Approximated the volumes of 3-D solids,	http://ocawlonline.pearsoned.com/bookbind/pubbooks/thomasawl/c

using
infinitesimals.

1601	1665	Pierre Fermat	Found a technique for finding the areas under each of the higher parabolas using narrow inscribed and circumscribed rectangles to lead to the method of exhaustion.	http://ocwonline.pearsoned.com/bookbind/pubbooks/thomasawl/c
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1642	1727	Isaac Newton	Extended of Issac Wallis' quadrature formulas and discovered the Fundamental Theorem of Calculus.	http://integrals.wolfram.com/about/history/
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1646	1716	Leibniz	Described a curve as a polygon with an infinite number of sides. He decided to find the area under the curve by using the sum of all the infinitesimal rectangles under it.	http://integrals.wolfram.com/about/history/
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1654	1748	Johann and Jakob Bernoulli	Johann came up with the term integral, and his brother first published it.	http://ocwonline.pearsoned.com/bookbind/pubbooks/thomasawl/c
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1707	1783	Leonhard Euler	Wrote a three-volume work on integral calculus that stimulated interest.	http://ocawlonline.pearsoned.com/bookbind/pubbooks/thomas_awl/c
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1789	1857	Augustin Louis Cauchy	Took integrals to the complex domain.	http://integrals.wolfram.com/about/history/
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1826	1866	Georg F. B. Riemann	Helped prove Cauchy, thereby putting definite integration on a firm logical foundation.	http://integrals.wolfram.com/about/history/
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