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methods of calculus and abstract algebra, so that many modern branches of the field are barely recognizable as the descendants of early geometry. (See Areas... 52 KB (6,910 words) - 08:01, 6 March 2024

algebra and geometry into a single subject and invented an algebraic geometry called analytic geometry, which involves reducing geometry to a form of... 10 KB (1,275 words) - 11:40, 25 February 2024

including invariant theory, the calculus of variations, commutative algebra, algebraic number theory, the foundations of geometry, spectral theory of operators... 57 KB (6,732 words) - 20:12, 23 February 2024

the other axioms of Euclidean geometry. 1870 – Felix Klein constructs an analytic geometry for Lobachevski's geometry thereby establishing its self-consistency... 63 KB (7,665 words) - 02:45, 17

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used in a first analytical definition because, as Remmert 2012 explains, differential calculus typically precedes integral calculus in the university... 146 KB (17,510 words) - 00:56, 15 March 2024  
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called solutions of the equation, and roots or zeros of the expression on its left-hand side. A quadratic equation has at most two solutions. If there... 51 KB (6,595 words) - 17:50, 20 March 2024

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illustrated above, it has sometimes been maintains that Menaechmus had analytic geometry. Such a judgment is warranted only in part, for certainly Menaechmus... 120 KB (16,881 words) - 00:09, 19 February 2024

proofs, with some dating back thousands of years. When Euclidean space is represented by a Cartesian coordinate system in analytic geometry, Euclidean... 94 KB (12,736 words) - 10:24, 12 March 2024  
divisibility, factorization, and primality. Analytic number theory, by contrast, relies on techniques from analysis and calculus. It examines problems like how prime... 165 KB (16,430 words) - 17:17, 20 March 2024

and is credited with inventing the fast Fourier transform algorithm. He is considered one of the discoverers of non-Euclidean geometry alongside Nikolai... 172 KB (18,540 words) - 10:37, 20 March 2024

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