



# The Concise Oxford Dictionary of Mathematics (Oxford Paperback Reference)

By Christopher Clapham, James Nicholson



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Authoritative and reliable, this A-Z guide provides jargon-free definitions for even the most technical mathematical terms. With over 3,000 entries ranging from *Achilles paradox* to *zero matrix*, it covers all commonly encountered terms and concepts from pure and applied mathematics and statistics, for example, linear algebra, optimisation, nonlinear equations, and differential equations. In addition, there are entries on major mathematicians and on topics of more general interest, such as fractals, game theory, and chaos.

Using graphs, diagrams, and charts to render definitions as comprehensible as possible, entries are clear and accessible. Almost 200 new entries have been added to this edition, including terms such as **arrow paradox**, **nested set**, and **symbolic logic**. Useful appendices follow the A-Z dictionary and include lists of Nobel Prize winners and Fields' medallists, Greek letters, formulae, and tables of inequalities, moments of inertia, Roman numerals, a geometry summary, additional trigonometric values of special angles, and much more. This edition contains recommended web links, which are accessible and kept up to date via the *Dictionary of Mathematics* companion website.



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#### **Editorial Review**

About the Author

**James Nicholson** has a mathematics degree from Cambridge, and taught at Harrow School for twelve years before becoming Head of Mathematics at Belfast Royal Academy in 1990. He lives in Belfast, but now works mostly with the School of Education at Durham University. He is the author of two A level Statistics texts, two GCSE Mathematics revision guides and a contributing author for a number of other mathematics textbooks.

Christopher Clapham wrote the first and second editions of this dictionary. Until 1993 he was Senior Lecturer in Mathematics at the University of Aberdeen. His publications include *Introduction to Abstract Algebra* and *Introduction to Mathematical Analysis*.

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