

## Books of David and Joan Rees

The right-hand column contains names of people for whom books have been reserved. Books which have already been collected are printed in red.

### Journals

These are in the upstairs study, apart from Proceedings of the Royal Institution (downstairs study) and Biographical Memoirs of Fellows of the Royal Society (large cardboard box in downstairs study)

Proceedings of the London Mathematical Society 1983-2011 Some older volumes, me or two missing  
Journal of the LMS 1988-2011 Some older volumes, some missing  
Bulletin of the LMS 1990 - 2011, some older volumes some missing  
Mathematical Proceedings of the Cambridge Philosophical Society 1990-2011, some missing  
**Annals of Mathematics volumes 50-53 (1949-51), Volume 56 and part of 54 unbound**  
Notes and Records of the Royal Society of London, (various)  
Biographical Memoirs of Fellows of the Royal Society 18,22, 28-57 (roughly 1980-2011)  
Proceedings of the Royal Institution vols 50-71  
What's happening in the Mathematical Sciences AMS 1993-4  
Royal Society Proceedings: Math., Phys. and Eng. Sci: various  
Journal of Algebra, vol 6, no 3, 1967, vol 7 no 1, 1967  
Publications IHES, 4,6, 8, 9(extra copy of Atiyah's half) 11, 14, 17-35, 37-39  
  
Bulletin of AMS (some)  
Notices of AMS (some )  
Mathematical Gazette 1971-3  
NonLinearity vol 1  
Communications in Algebra vol 1 no 1(1974)

V. Guletskii

R.Y.Sharp:  
4,8,11,17,28,32

Programming Manuals  
Downstairs study

4 books on maple 8 published by Waterloo maple (2002)  
Hacking Knoppix (2006) S. Granneman pub by Wiley  
Knoppix Hacks, K. Rankin, O'Reilly 2008  
Learning Perl, Schwarz and Phoenix, pub O Reilly 2001  
A practical introduction to Pascal, I.R. Wilson and A.M. Addyman, MacMillan 1978  
The C Programming language, B. Kenighan and D. M. Ritchie 2nd edition Prentice Hall  
1988 Learning Java, Niemeyer and Knudsen pub O'Reilly 2002  
Java2 A beginners Guide Schildt, pub by Osborne 2003

**Latex User's Guide and Reference Manual, Leslie Lamport, Addison Wesley, second edition 1994** Marasingha

TheUK INternet Book, revised for '95 by Sue Schofield, Addison-Wesley  
Textures Users Guide 1994 Blue Sky Research  
Tex and Latex Drawing and Literate Programming, E.M. Gurari, McGraw Hill 1994

**A beginners Book of Tex, Seroul and Levy, Springer corrected 2nd printing 1992, The Joy of Tex, M. Spivak AMS 1990, The Tex Book, D. Knuth, AMS 16th printing 1989** S.Rees

Computernetworking, a top-down approach, J. F. Kurose and K.W. Ross, 4th ed, Pearson 1998  
More Math into Latex, 4th edition, Grätzer, Springer 2007  
Mac OS Leopard, D. Pogue, , O Reilly 11th printing 2009  
Learn Mac OS Snow Leopard, S. Meyers and M. Lee, A Press 2009

Chess  
Upstairs study

Laskers Manual of Chess, Printing-Craft Ltd, 1932  
Beating the Sicilian, John Nunn, B.T. Batsford 1984  
Mastering the Numzo-Indian with the Read and Play method, Tony Kosten, B.T. Batsford 1998  
The Art of the middle game, Keres and Kolton, trans by Golombek, Penguin 1964

General  
Downstairs study

Tracking the Automatic Ant by David Gale, compilation of Intelligencer articles circa 1996 Springer	
Mathematics in the modern world, compilation of Scientific American articles, ca 1968, Freeman	
Fractals in the classroom Parts 1 and 2 by Peitgen, Jürgens and Saupe, Springer Verlag 1991, The Beauty of Fractals, Peitgen and Richter, Springer 1986	S.Rees
The Sacred Beetle and other great essays in Science edited by Martin Gardner second ed 1984 OUP	
1995-6 What's Happening in the Mathematical Sciences, Barry Cipra, AMS	
A New Kind of Science, Stephen Wolfram, Wolfram Media Inc 2002	
Bright air, Brilliant fire, Gerald Edelman, Allen Lane, The Penguin Press 1992	
Mathematics Unlimited – 2001 and beyond, Engquist and Schmid eds, Springer 2001	
The Millennium Problems Keith Devlin, Granta Books 1988, The Mathematical Universe, William Dunham, John Wiley 1994, The New Scientist Guide to Chaos ed by Nina Hall 1991, The Large, the Small and the human mind, R. Penrose et al, Copy 1: CUP Canto edition 2000 and CUP edition 1997	S.Rees
The Large, the Small and the human mind, R. Penrose et al, Copy 1: CUP Canto edition 2000 and CUP edition 1997(Copy 2)	
Complexity: life on the edge of Chaos, R. Lewin, Phoenix paperbacks 1993	
Further mathematical diversions, Martin Gardiner, Penguin 1969, Superstrings: A theory of everything? eds P.C.W. Davies and J. Brown CUP 1988	S.Rees
From here to infinity: A guide to today's mathematics OUP 1996, Fearful Symmetry: Is God a Geometer? I. Stewart and M. Golubitsky, Penguin 1964	V.Guletskii
Does God Play Dice? the new mathematics of Chaos, I. Stewart, penguin edition 1997	S.Rees
Fractals everywhere, M. Barnsley 2nd edition Academic press 1993	
Fractals for the Macintosh, J. Jones, Waite Group Press 1993	
Symmetry in Chaos, Field and Golubitsky, OUP paperback 1995	
Winning ways for your mathematical plays vols 1 and 2, Berlekamp, Conway and Guy, Academic Press 1982	P.Vamos
God's Secret formula, P. Plichta, English translation, Element Books Ltd 1998	
Famous Problems and other monographs, F. Klein, W.F. Shephard, P.A. Macmahon, L.J. Mordell, Chelsea 1955	

Superstrings and the search for the theory of everything, F.D. Peat, Scribners 1988	
Stalking the Riemann Hypothesis, D. Rockmore, Jonathan Cape 2005	N. Bingham
Fivemore Golden Rules, J.L. Casti, Wiley 2000	
The Emperor's new mind, R. Penrose, OUP 1980	V. Guletskii
The Artful Universe, J.D. Barrow, Penguin 1995	
Life's other secret: the new mathematics of the living world, I.N. Stewart, Penguin 1998,	V. Guletskii
The meaning of it all, R. Feynman, Penguin 1998, The Road to Reality, R. Penrose, Random	
House 2004, Introduction to Chaos and Coherence, J. Froyland, IOP 1992, It must be	
beautiful: great equations of modern science, ed by G. Farmelo, Granta 2002	
The Mathematical Experience, P.J. Davis and R. Hersch, Harvester Press 1981	
Mathematics: the new golden age, Pelican 1988	
Figments of reality, I. Stewart and J. Cohen, CUP 1997	V. Guletskii
More Mathematical Puzzles and Diversions, M. Gardner, Penguin Books 1966	
Imagining numbers (particularly the square root of minus fifteen) B. Mazur, Allen Lane	
2003	
Mathematics: the loss of certainty, M. Kline, OUP 1980	
Dr. Riemann's Zeros, K. Sabbagh, Atlantic Books 2002, Preparation of manuscripts and	V. Guletskii
correction of proofs, CUP 1951	
Gamma: exploring Euler's constant, J. Havil, PUP 2003	N. Bingham
Mathematics and Logic, M. Kac and S.M. Ulam, Penguin reprint 1979	S. Rees
Joint scholarship and entrance examination papers for women's colleges, Oxford University	
Examination papers Michaelmas term 1968 Mathematics counts: Cockcroft report, HM sta-	
tioners office 1982	
A comprehensive textbook of classical mathematics: a contemporary interpretation, H.B.	
Griffiths and P.J. Hilton, van Nostrand 1970	
Princeton Companion to Mathematica, ed T. Gowers, J. Barrow-Green, I. Leader PUP 2008	Marasingha
The music of the primes, M. du Sautoy Fourth estate 2003	S. Rees
The music of the primes, M. du Sautoy Fourth estate 2003 (Copy 2)	
Master book of mathematical recreations, F. Schuh Dover 1968	
Computers and commonsense, R. Hunt and J. Shelley, Prentice-Hall 1975	
German-English mathematical vocabulary, S. Macintyre and E. Witte, Oliver & Boyd 1965	

#### Library of Mathematics

Library of Mathematics Integral Calculus by Walter Lederman 1964
Library of Mathematics Fourier Series by I.N. Sneddon 1961
Library of Mathematics Partial Derivatives by P.J. Hilton 1960
Library of Mathematics Sets and Groups by J.A. Green 1965
Library of Mathematics Functions of a Complex Variable by D.O. Tall 1970 (2 copies)
Library of Mathematics Linear Programming by Kathleen Trustrum 1971
Library of Mathematics Solid Geometry by P.M. Cohn 1961
Library of Mathematics Sequences and Series by J.A. Green 1958

General and linear Algebra  
Downstairs study

Linear and Convex Programming, Zuhovitsky, and Avdeyeva translated 1966. pub by Saunders

**Modern Applied Algebra Birkhoff and Bartlee Mcgraw Hill 1970**

V.Guletskii

Algebra Volume 2 P.M. Cohn John Wiley 1977

Modern algebra: a natural approach, with applications, C.F. Gardiner, Ellis Horwood series, John Wiley 1981 (Joan Rees)

Introduction to Matrix Analysis, R. Bellman, 2nd ed Mcgraw Hill 1970

Computational methods for Matrix eigenproblems, A.R. Gourlay and G.A. Watson (Joan Rees), John Wiley 1973

Matrices and vector spaces, F. Brickell, George Allen and Unwin 1972

**An Introduction to Linear Algebra, L. Mirsky, OUP 1955**

S.Rees

Theory of Matrices, S. Perlis, Addison Wesley 1952 (3rd printing 1958)

Introduction to Algebra, F. Loonstra, Mcgraw Hill 1969 (Joan Rees)

Linear algebra, A.M. Tropper, Nelson 1969

Algebraic Structures, S. Lang, Addison-Wesley 1967 Modern algebra, J.R. Durbin, Wiley 1979

**Topics in Galois Theory, J-P. Serre, notes by H. Damon, Research notes in mathematics, Jones and Bartlett 1992, Topics in local algebra, J. Dieudonné, notes by M. Borelli, Notre Dame Mathematical lectures no 10 1967**

V.Guletskii

Differential Algebra, J.F. Ritt, AMS Colloquium Publications XXXIII, 1950

Hodge Algebras, Concini-Eisenbud-Procesi, Asterisque 91

V.Guletskii

**Matroid Theory, J. Oxley, OUP 1992**

P.Vamos

Algebra, R. Godement, Hermann - Kershaw 1969

Linear algebra and matrix theory, E.D. Nering 2nd ed Wiley 1970

Universal algebra, P.M. Cohn, Harper and Row 1965, second copy, Harper international student edition

Geometric algebra, E. Artin, Interscience Tracts in Pure and Applied Mathematics no 3, 1957, Algebraic Spaces, M. Artin, Yale Mathematical monographs 3, Yale U P 1971, Hopf Algebras, M.E. Sweedler, Benjamin 1969, Moderne Algebra (in German), Erste Teil, Van der Waerden, Frederick Ungar Publishing 1943 Moderne Algebra, Erste Teil, Van der Waerden, Frederick Ungar Publishing 1943(2nd copy)	V.Guletskii
Moderne Algebra, Zweiter Teil, B.LK. van der Waerden Springer 1931	V.Guletskii
Representation theory of finite groups and associative algebras, C. Reiner, Pure and Applied Mathematics Vol XI, Interscience 1962	S.Rees
Structure of algebras, A.A. Albert, AMS Colloquium publications vol XXIV 1939 Algebren, M. Deuring, Springer 1935	V.Guletskii
Algebra, S. Lang, 2nd edition, Addison Wesley 1984, Basic Algebra II, N. Jacobson, W.H. Freeman 1980	S.Rees
Symmetric bilinear forms, J. Milnor and D. Husemoller, Erg. der math. und ihrer Grenz. 73, Springer 1973, Linear algebra and geometry, I. Kaplansky, Allyn and Bacon 1969	T.Brendle
The algebraic theory of spinors, C. Chevalley, Columbia UP 1954	N. Bingham
Basic Algebra I, N. Jacobson, W.H. Freeman 1974 Lehrbuch der Algebra, Band I-III, H. Weber, 3rd edition, Chelsea	S.Rees
Matroid Applications, N. White, Encyclopedia of Mathematics and its Applications 40, CUP 1992 Modern algebraic theories, L.E. Dickson, B. H. Sanborn and co, 1926	P.Vamos
Galois theory, E. Artin, Notre Dame mathematical lectures no 2, 2nd edition 1948	D.Holt
Problems in Higher algebra, D.K. Faddeev and I.S. Sominski, trans by J.L. Brenner, W.H. Freeman 1965	V.Guletskii
Fundamentals of Semigroup theory, J.M. Howie, OUP 1995 Selected papers in algebra reprinted from the Amer Math monthly and Mathematics magazine, ed S. Montgomery et al 1977 Advanced Algebra Vol II, C.V. Durell and A. Robson, G. Bell and Sons 1937 Algebraische Theorie der Körper, E. Steinitz, Chelsea 1950	R.Y.Sharp

Analysis and Functional Analysis  
Downstairs study

A First Course in Mathematical Analysis, J.C. Burkill, CUP 1962	
MAA Studies in Mathematics Volume 1, Studies in Modern Analysis, ed R.C. Buck 1962	
Calculus on manifolds, M. Spivak, Benjamin 1965	Yichen Liu
Pure Mathematics, G.H. Hardy, CUP 1941, A Course in Pure Mathematics, 9th edition G.H. Hardy, CUP 1949	Hua Haochen
Principles of Mathematical Analysis, W. Rudin 2nd edition, Mcgraw Hill 1964	
Theory of Infinite Series Bromwich, MacMillan 1955	
An Introduction to Differential equations, S.L. Green, University Tutorial Press 1945	Hua Haochen
Operational Calculus, J. Mikusinski, Translated from Polish (by the author?) Pergamon Press 1959	
Linear Operators Parts I and II, Dunford and Schwarz, Pure and Applied Mathematics, Interscience, 1964	Yichen Liu
Modern theories of integration, H. Kestelman OUP 1937	Hua Haochen
Inequalities, G.H. Hardy, J.E. Littlewood, G. Polya, CUP 1934	P.Vamos
Elementary theory of analytic functions of one or several variables, H. Cartan, Hermann 1963	V.Guletskii
A Course in Mathematical Analysis, E.T. Whittaker, and G.N. Watson, 4th edition, CUP 1935	
The Absolute Differential Calculus, T. Levi-Civita, trans by M. Long, Blackie and Son 1929, An elementary treatise on differential equations, 2nd edition, A. Cohen D.C. Heath and Co 1933	V.Guletskii
Infinitesimal calculus, H. Lamb, revised edition CUP 1942 (J. Cushen)	
Ordinary differential equations, W. Leighton, Wadsworth 1963	Hua Haochen
Fourier analysis and generalised functions, J. Lighthill, CUP 1958	
Functions of a complex variable, E. T. Copson OUP 1935	
Complex Analysis, L.Ahlfors, international series in Pure and Applied mathematics, Mcgraw-Hill 1953, The theory of functions, E.C. Titchmarsh, 2nd edition. OUP 1939	V.Guletskii
Functional Analysis, Riesz and Nagy, Blackie and on 1934	Yichen Liu
Spektraldarstellung Linearer transformationen des Hilbertschen Raumes, B. Sz Ngt Berlin Springer 1942	N.Bingham

Geometry, including classical geometry  
Downstairs study

Transformation Geometry Max Jeger, trans by Deicke and Howson, 1966 Redwood Press 2 copies	
Convex Polytopes, Coxeter, 2nd edition, McMillan, book split along spine into two, pages 113-146 missing	
Computational Geometry in C, Joseph O' Rourke, CUP 1993	
<b>Tilings and Patterns, Grünbaum and Shephard, Freeman 1987</b>	<b>S.Rees</b>
Miles of Tiles, C. Radin AMS Student Mathematical Library Vol 1	
<b>Methods of Algebraic Geometry, Hodge and Pedoe Volumes 1-3 CUP 1947, Diophantine Geometry, Serge Lang, Interscience Tracts in Pure and Applied Mathematics no 11, Interscience 1962</b>	<b>V.Guletskii</b>
Ruled surfaces, W.L. Edge, CUP 1931	
Analytical Geometry in three dimension, Longmans, 1914	
Transformation geometry: an introduction to symmetry, G.E. Martin, Springer 1982 (Joan Rees)	
<b>Differential Geometry and symmetric spaces, S. Helgason, Academic Press 1962</b>	<b>V.Guletskii</b>
<b>Introduction to Geometry, Coxeter, 2nd edition Wiley 1969</b>	<b>S.Rees</b>
<b>Geometry revisited, H. Coxeter and S. L. Greitzer, MAA New Mathematical Library 1967 (Joan Rees)</b>	
Geometric Transformations I, II and III, I.M. Yaglom, trans by A. Shields, Random House 1962, 1968 and 1973	
Differential Geometry of three dimensions, C.E. Weatherburn CUP 1931	
<b>The non-Euclidean Hyperbolic Plane, P.Kelly and G. Matthews, Springer 1981</b>	<b>S.Rees</b>
<b>The principles of projective geometry applied to the straight line and conic, J.L.S. Hatton, CUP 1913</b>	<b>V.Guletskii</b>
<b>Principles of Geometry, Vols I- IV, H.F. Baker CUP 1929-40 (J.Cushen)</b>	<b>N. Bingham</b>
Introduction to Plane Geometry, H.F. Baker CUP 1943 (J. Cushen)	
An introduction to projective geometry, L.N.G. Fulton, Edward Arnold 1908	
<b>The real projective plane, H.S.M. Coxeter, 2nd ed. CUP 1955</b>	<b>V.Guletskii</b>
Regular Complex Polytopes, H.S.M. Coxeter, CUP 1974 (collected)	<b>S.Rees</b>
Lezioni di Geometria Moderna Vol 1, Fondamenti di Geometria sopra un corpo qualsiasi, B. Segre, Nicola Vanichelli 1948	
Elementary Vector Analysis, C.E. Weatherburn, G. Bell and Sons 1942 (J.Cushen)	



Applied Mathematics and Physics  
Downstairs study

Heaviside's Electric Circuit Theory H.J. Josephs, Methuen and Co 1946	
Dynamics Part II A.S. Ramsay CUP 1937	
An introduction to Twistor Theory by S.A. Huggett and K.P. Tod, LMS Student Texts 4, 1987	
The Laws of Nature, R.E. Peierls, George Allen and Unwin, 1955	
<b>Mathematische Grundlagen der Quantenmechanik, J. von Neumann Dover 1943</b>	<b>M.Rees</b>
Methodender Mathematischen Physik, R. Courant and D. Hilbert, Springer 1937	
<b>The meaning of relativity, A. Einstein, 4th edition Methuen 1950</b>	<b>S.Rees</b>
RelativityTheory of protons and electrons, A. Eddington CUP 1936	
Differential Forms with applications to the Physical Sciences, H. Flanders, AP 1963	
<b>Quantum mechanics for mathematicians and physicists, E. Ikenberry, OUP 1962</b>	<b>V.Guletskii</b>
Vibrationsand Waves, A.P. French MIT Introductory Physics series, Nelson 1971 (reprint 1978)	
Modern Quantum theory B. Kursunoglu, W.H. Freeman 1962	

Group theory  
Downstairs study

<b>Theory of Groups Volume 2, Kurosh, trans by Hirsch, Chelsea Publishing Company 1956</b>	<b>S.Rees</b>
<b>Theory of Groups, M.Hall, MacMillan 1959, The theory of groups: an introduction, J.R. Rotman, Allyn and Bacon 1965</b>	
<b>Schur Algebras and Representation Theory, Stuart Martin, Cambridge Tracts in Mathematics 112, CUP 1993</b>	<b>V.Guletskii</b>
<b>The restricted Burnside Problem, M. Vaughan-Lee, 2nd ed Oxford Science publications 1993, reprinted 2003, Linear Groups, L. Dickson, Dover 1958, The Theory of Group Characters and matrix representations of groups, D.E. Littlewood, Clarendon Press 1940</b>	<b>S.Rees</b>
Group tables, A.DThomasand G.V. Wood, Shiva Mathematics series 1980	
Theorie der Gruppen von Endlicher Ordnung, A. Speiser, Springer 1937	
Rapport sur la cohomologies des groupes, S. Lang, Benjamin 1966	
<b>Représentation linéaires des groupes finis, J-P. Serre, Hermann 1967, Theory of Groups and Quantum Mechanics, H. Weyl, trans by H.P. Robertson, Methuen 1931</b>	<b>V.Guletskii</b>
Grouptheory, E. Schenkman, van Nostrand 1965	
<b>Theory of groups of finite order., W. Burnside, 2nd editions, Dover 1955</b>	<b>S.Rees</b>
<b>The Classical groups, H. Weyl, PUP and OUP 1939</b>	<b>V.Guletskii</b>
<b>Topological Groups, L. Pontriagin, Princeton UP 1930</b>	<b>N. Bingham</b>
<b>Finite permutation Groups, H. Wielandt, Academic Press 1964</b>	<b>V.Guletskii</b>

Commutative and Homological algebra Downstairs study

The Carus Mathematical Monographs, Vol 8, Rings and Ideals, N.H. McCoy 1948	
Elementary rings and modules, I. T. Adamson, University mathematics texts, Oliver and Boyd 1972	
Ideal Theorie, W. Krull, Chelsea, 1948	
Phantom Homology, M. Hochster and C. Huneke, Memoirs of the AMS no 490 Vol 103 (1993)	
A Singular introduction to Commutative Algebra, G-M. Greuel and G. Pfister, Springer 2002	P.Vamos
Commutative Ring Theory, H. Matsumura, English translation, Cambridge Studies in Advanced Mathematics 8, 1986, Cohen-Macaulay Rings, W. Bruns and J. Herzog, Cambridge Studies in Advanced Mathematics 39, 1993, Commutative Rings, I. Kaplansky, Allyn and Bacon 1970	M.Katzman
Homological Algebra, Cartan and Eilenberg, Princeton UP 1956	D.Holt
Local Rings, M. Nagata, Interscience Tracts in Pure and Applied Mathematics no 13, Interscience, John Wiley 1962	P.Vamos
Field Theory, M. Nagata, Pure and Applied Mathematics, M. Dekker 1977, Commutative Algebra Vols I and II, Zariski and Samuel, van Nostrand 1958	V.Guletskii
An introduction to homological algebra, D.G. Northcott, CUP 1960 (copy 1)	R.Y.Sharp
An introduction to homological algebra, D.G. Northcott, CUP 1960 (copy 2)	M.Katzman
A first course in homological algebra, D. G. Northcott, CUP 1973, Multilinear algebra, D. G. Northcott, CUP 1984, Lessons on rings, modules and multiplicities, D.G. Northcott CUP 1968	V.Guletskii
Algebraic theory of modular systems, F. S. Macaulay, no 19, Cambridge Tracts in Mathematics and Mathematical Physics, CUP 1916	M.Rees
Finite Free resolutions, D. Northcott, Cambridge Tracts in Mathematics 71, CUP 1976	P.Vamos
Fields and Rings, I. Kaplansky, Chicago lectures in Mathematics, University of Chicago Press 1969	
Les formalismes Fondamentaux de l'algèbre commutative, J.P Lafon, enseignement des sciences, Hermann 1974	
Algèbre commutative, Langages géométrique et algébrique, J.P. Lafon, Hermann 1977	
Tight closure and its applications, C. Huneke, CBMS regional conference series in mathematics, 88	
Local cohomology, M.P. Brodmann and R. Y. Sharp, Cambridge studies in advanced mathematics 60, CUP 1998	
H. Matsumura, Commutative algebra 1st ed, Benjamin 1970	R.Y.Sharp
H. Matsumura, Commutative algebra 2nd ed, Benjamin/Cummings 1980	V.Guletskii
Einführung in die Verbandstheorie, H. Hermes, Springer 1955	

Lectures around complete local rings, B.A. F. Wehrfritz, Queen Mary College Lecture notes, 1979 (might be with preprints in upstairs art room)	
Rings with chain conditions, A.W. Chatters and C.R. Hajarvanais, Research Notes in Mathematics 44, Pitman 1980	
Topics in Ring Theory, I.N. Herstein, Chicago Lectures in Mathematics, U of Chicago Press 1969	M.Katzman
Théories des faisceaux, R. Godement, Actualités Scientifiques et Industrielles 1252, Publ de l'Institut de Math de l'Université de Strasbourg XIII, Hermann 1958	V.Guletskii
KrullDimension, R. Gordon and J.C. Robson, Memoirs of the AMS 133, 1973	
The divisor class group of a Krull domain, R.M. Fossum, Springer 1973	
Foundations of relative homological algebra, S. Eilenberg and J.C. Moore, Memoirs of the AMS 55, 1965, Lectures on Unique Factorization domains, P. Samuel, Tata Institute 1964, Progrès récents de l'algèbre locale, P. Samuel, Notas de matematica no 19, 1959	V.Guletskii
Primes associated to an ideal, S. McAdam, Contemporary Mathematics 102, 1989	
Local cohomology, M.P. Brodmann and R.Y. Sharp, Cambridge studies in advanced mathematics 60, CUP 1998	
Buchsbaum rings and applications, J. Stückrad and W. Vogel, Springer 1986	
Introduction to Commutative algebra, M. Atiyah and I. MacDonald, Addison-Wesley 1969	V.Guletskii
Rings with minimum condition, E. Artin, C.J. Nesbitt and R.M. Thrall, University of Michigan Press 1946	
Torsion free modules, E. Matlis, Chicago lectures in mathematics, University of Chicago Press 1972	
Numbers of generators of ideals in local rings, J.D. Sally, lecture notes in pure and applied mathematics, vol 35, Marcel Dekker 1978	
Rings and Homology, J.P. Jans, Holt, Rinehart and Winston 1964	
Structure of rings, N. Jacobson, AMS Colloquium publications vol XXXVII 1956	M.Katzman
Free rings and their relations, P.M. Cohn, Academic Press 1971	
Normed Rings, M.A. Naimark, trans from 1st edition by L. Boron, Noordhoff 1959, Homology Theory, Hilton and Wylie, CUP 1960	N. Bingham
Einführung in die kommutative algebra und algebraische geometrie, E. Kunz, F. Vieweg 1980	
Steps in Commutative algebra, R.Y. Sharp LMS Student texts 19, CUP 1990	
Notes on homological algebra, J.J. Rotman, van Nostrand Mathematical Studies 26, 1970	T.Brendle
Injective modules, D.W. Sharpe and P. Vámos, Cambridge Tracts in Mathematics and Mathematical Physics, CUP 1972	
Rings and Radicals, N.J. Divinsky, G. Allen and Unwin 1965	V.Guletskii

Information theory and automata  
Downstairs study

<p>Computation Finite and Infinite Machines, Marvin Minsky, OU set book Prentice Hall 1972 ,Mathematical Programming, S. Vajda, Addison-Wesley 1961</p>	S.Rees
<p>Mathematical Foundations of Information Theory, A.I. Khinchin, Trans by Silverman and Friedman, Dover publications 1957, Regular Algebra and Finite Machines, J.H. Conway, Chapman and Hall 1971, Introduction to Languages and the theory of computation, J.C. Martin 2nd edition McGaw-Hill, 1997, Formal Languages: Automata and Structures, E. Engeler, Lectures in Advanced Mathematics no 3, Markham 1968 Elementary cryptanalysis: A Mathematical approach, A. Sinkov, MAA New Mathematical library no22, 1966 Programming, Games and Transportation networks, C. Berge and A. Ghoiuila-Houri, trans by M. Merrington and C. Ramannijacharyulu, Methuen 1962</p>	S.Rees
<p>Automatic languages and machines Vol A, S. Eilenberg AP 1974 Rounding errors in algebraic processes, J.H. Wilkinson, Notes in Applied Science 32, HM Stationary Office, 1963 The algebraic eigenvalue problem, J.H. Wilkinson, Monographs on Numerical Analysis, OUP 1964</p>	S.Rees

Discrete mathematics, Combinatorics and Graph theory  
Downstairs study

The Carus Mathematical Monographs, Volume 14, Combinatorial Mathematics, H.J. Ryser, 1963	
MAA Studies in Mathematics Volume 17, Studies in Combinatorics, G-C Riota, ed, 1978	
Combinatorial Theory, M. Hall, Blaisdell 1967	
A first course in combinatorial mathematics, I. Anderson, Oxford Maths and Comp Sci series, OUP 1974	
Error-correcting codes, W.W. Peterson and E.J. Weldon, The MIT Press, 1971	S.Rees
Symmetric Functions and Orthogonal Polynomials, I.G. Macdonald, AMS UNiversity Lecture Series Vol 12, 1997	S.Rees
Graph Theory, R. Diestel, Graduate Texts in Mathematics 173, Springer 2000, Algebraic Graph Theory, N. Biggs, Cambridge Tracts in Mathematics 67, CUP 1974, A Course in Combinatorics, J.H. van Lint and R.M. Wilson, CUP 1992, Symmetric functions and Hall polynomials I.G. Macdonald OUP 1979, Trees, J-P. Serre, Springer 1980	S.Rees
Sphericalfunctionsofa group of $p$ -adic type, I. Macdonald, Ramanujan Institut Publications 1971	
Graph Theory, F. Harary, Addison Wesley 1969, Graph theory as I have known it, W.T. Tutte, OUP 1998, Theory of Games and Economic Behavior, von Neumann and Morgonstern, PUP 1953, On numbers and games, J. Conway. AP 1976	S.Rees
Discretemathematics: applied algebra for Computer and Information Science, L. Bobrow and M. Arbib, W.B. Saunders 1974	
Introduction to graph theory, R. Wilson, Oliver and Boyd 1972	S.Rees
Theorieder graphen, D. König, Chelsea 1950	
Handbook of continued fractions for special functions, A. Cuyt et al, Springer 2008	N. Bingham

Probability and Statistics  
Downstairs study

Introduction to Mathematical Probability, J.V. Uspensky, McGraw Hill 1937 (paperback!)	
An introduction to Probability theory and its applications, W. Feller, Wiley international edition 1968 A-level prize of Sarah Rees 1976	S.Rees
Introductionto the theory of statistics, A.M. Mood and F.A. Graybill, Mcgraw Hill INternational Student edition, 2nd edition. 1963	
Probability and the weighing of evidence, I.J. Good, Charles Griffin 1950	
Mathematische Statistik, B.L.van der Waerden, Springer 1965	
An elementary introduction to the theory of probability, B. V. Gnedenko and A.Y. Khinchin, Dover 1962	V.Guletskii

Algebraic geometry and algebraic groups  
Downstairs study

Normal Varieties, Silvio Greco, Istitutio Nazionale di Alta Matematica, Institutiones Mathematicae Volume IV, Academic Press 1978	
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17. Du Val, Elliptic functions and elliptic curves

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