

## MATHEMATICS REFERENCE BOOKS

The following provides a list of mathematics reference books with indication of their coverage of the Advance Level Applied Mathematics Syllabus. Mathematics glossaries and encyclopedias are also incorporated in the list. Teachers have to note that these books are for teachers' reference only and their level of difficulty and coverage may vary a lot. Some of them may not be suitable for students' reference. Above all, this list is by no means prescriptive or exhaustive. Teachers can update the list by incorporating new books or latest editions of the books.

156

## MATHEMATICS GLOSSARIES AND ENCYCLOPEDIAS

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
1.	<i>A Dictionary of Statistical Terms</i>	FHC Marriott	Longman	1990
2.	<i>Dictionary of Mathematics</i>	E.J. Borowski & J.M. Borwein	Collins	1989
3.	<i>Encyclopedia Dictionary of Mathematics for Engineers and Applied Statistics</i>	I.N. Sneddon	Pergamon Press	1976
4.	<i>Encyclopedia Dictionary of Mathematics: an updated and annotated translation of the Soviet 'mathematical encyclopedia'</i>	Matematicheskaja entsiklopediia English	Kluwer Academic	1988
5.	<i>Great Moments in Mathematics After 1650</i>	Howard Eves	The Mathematical Association of America	1983

157

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
6.	<i>Great Moments in Mathematics Before 1650</i>	Howard Eves	The Mathematical Association of America	1983
7.	<i>Handbook of Mathematics</i>	I.N. Bronshtein & K.A. Semendyayev	D. Van Nostrand Reinhold Company	1985
8.	<i>Makers of Mathematics</i>	Stuart Hollingdale	Penguin Books	1989
9.	<i>Men of Mathematics (Touchstone Edition)</i>	E.T. Bell	Simon & Schuster, Inc.	1986
10.	<i>The International Dictionary of Applied Mathematics</i>	W.F. Freiberger	D. Van Nostrand Reinhold Company	1960
11.	<i>The VNR Concise Encyclopedia of Mathematics</i>	W. Gellert	D. Van Nostrand Reinhold Company	1977

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
12.	《中國大百科全書 數學》		中國大百科全書出版社	1983
13.	《數學百科辭典》	日本數學會	科學出版社	1985
14.	《三角學辭典》		上海教育出版社	1989
15.	《數學題解辭典 (平面解釋幾何)》		上海教育出版社	1986
16.	《中國數學科常用英漢辭彙》	香港課程發展議會	香港教育署	1960

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NO.	TITLE	AUTHOR	PUBLISHER	YEAR
1.	<i>A Complete Guide to Differential Equation &amp; Mechanics</i>	Y.K. Leung	Chiu Ming	1992
2.	<i>A Concise Course in A-Level Statistics</i>	J. Crawshaw & J. Chambers	Stanley Thames	1991
3.	<i>A Course to Differential Equation &amp; Numerical Analysis</i>	K.H. Yeung	Youth Bookroom	1986
4.	<i>A First Course in Numerical Analysis</i>	William H.C. Lo	Bondman	1990
5.	<i>AEB Mathematics (Applied) Questions &amp; Answers</i>	–	Hillview Publications	1988
6.	<i>AEB Mathematics (Statistics) Questions &amp; Answers</i>	–	Hillview Publications	1988

160

NO.	Unit Number of the Syllabus																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1			*					*	*	*	*	*	*								
2																		*	*	*	*
3									*			*	*			*	*				
4															*	*	*				
5	*	*	*	*	*	*	*	*	*	*	*										
6																		*		*	*

161

Note: In this and the following tables, related contents in the reference books are indicated by \*.

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
7.	<i>Advanced Level Applied Mathematics</i>	F.G.J. Norton	Heinemann	1977
8.	<i>Advanced Level Applied Mathematics</i>	C.G. Lambe	Hodder & Stoughton	1982
9.	<i>Advanced Level Applied Mathematics</i> (Vol. 1 & 2)	C. Tam, M. Choi & M. Pom	CKW Publications	1990
10.	<i>Advanced Level Numerical Methods</i>	Y.K. Kwok	Hung Fung	1987
11.	<i>Advanced Level Statistics</i>	D.A. Bryars	UTP	1983
12.	<i>Advanced Level Statistics</i>	A. Francis	Stanley Thomes	1988
13.	<i>Advanced Level Vectors</i>	A.P. Armit	H.E.B.	1977
14.	<i>Applied Differential Equations</i>	Murray R. Spiegel	Prentice Hall	1981

NO.	Unit Number of the Syllabus																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
7			*	*	*	*	*	*	*	*	*										
8	*	*	*	*	*	*	*	*	*	*	*										
9	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*	*
10														*	*	*	*				
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14													*	*							

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NO.	TITLE	AUTHOR	PUBLISHER	YEAR
15.	<i>Applied Mathematics (Vol. 1 &amp; 2)</i>	L. Bostock	Stanley Thornes	1983
16.	<i>Differential Equations with Application</i>	Y.K. Kwok	Hung Fung	1987
17.	<i>Elementary Numerical Analysis</i>	Samuel D. Conte	McGraw Hill	1980
18.	<i>Further Mechanics and Probability</i>	L. Bostock & S. Chandler	Stanley Thornes	1988
164 19.	<i>Graded Examples in Applied Mathematics (Vol. 1,2 &amp; 3)</i>	F.N. Chan & C.Y. Choi	Chiu Ming	1992
20.	<i>Intermediate Mechanics (Books 1 &amp; 2)</i>	D. Humphrey & J. Topping	Longman	1971
21.	<i>Introduction to Numerical Methods</i>	Peter A. Stark	Macmillan	1970
22.	<i>Mathematics – Mechanics and Probability</i>	L. Bostock & S. Chandler	Stanley Thornes / ELBS	1990

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
15	*	*	*	*	*	*	*	*	*	*	*										
16												*	*								
17														*	*	*	*				
18	*	*	*	*	*	*	*	*	*	*	*									*	
19	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*										
21														*	*	*	*				
22	*	*	*	*	*	*	*	*	*	*	*							*			

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NO.	TITLE	AUTHOR	PUBLISHER	YEAR
23.	<i>Matriculation Mechanics</i>	K.O. Lau	CKW Publications	1987
24.	<i>Numerical Methods</i>	Leo C.F. Leung	United Press	1983
25.	<i>Numerical Methods</i>	T. Treeby	John Murray	1973
26.	<i>Probability</i>	Raymond K.C. Li	Educational Publishing House	1983
27.	<i>Theoretical Mechanics</i>	Leo C.F. Leung	United Press	1986
28.	<i>Theoretical Mechanics for Sixth Forms</i> (Vol. 1 & 2)	C. Plumpton & W.A. Tomkys	Pergamon Press	1971
29.	<i>Worked Examples in Vectors-Vector</i> <i>Methods in Applied Mathematics</i>	F.I. Wright	Hutchinson Education	1970

NO.	Unit Number of the Syllabus																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
23	*	*	*	*	*	*	*	*	*	*	*										
24															*	*	*				
25														*	*	*	*				
26																		*			
27		*	*	*	*	*	*	*	*	*	*										
28		*	*	*	*	*	*	*	*	*	*										
29	*																				

Note: In this and the following tables, related contents in the reference books are indicated by \*.

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
30.	《向量微積分學》	嚴夢輝	徐氏基金	1989
31.	《計算方法講義》	中國科學	商務	1971
32.	《機率》	陳明哲	中央	1972
33.	《矢量代數學》	張致中	商務	1972
34.	《力學基礎》	漆安慎、杜嬋英	高等教育出版社	1982
35.	《理論力學理論與題解》	王喜山、姜萬祿	山東科學技術出版社	1982
36.	《概率統計入門》	梁之舜、鄧永泉	廣東科技出版社	1983

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
30	*																				
31														*	*	*	*				
32																		*			
33	*																				
34		*	*	*	*	*	*	*	*	*	*										
35		*	*	*	*	*	*	*	*	*	*										
36																		*	*	*	*

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NO.	TITLE	AUTHOR	PUBLISHER	YEAR
37.	《統計學》	林元興譯	徐氏基金	1979
38.	《機率與統計學》	詹世煌譯	曉園	1990
39.	《機率導論問題詳解》	潘從輝譯	曉園	1990
40.	《基礎物理學詳解 (i) 動力學 (ii) 運動學與力學》	曹平凡譯	曉園	1989
41.	《應用數學例題演習 (1) 及 (2) 》	鄭毓德譯	南開大學	1984
42.	《力學基礎》	李海	商務	1979
43.	《基本物理學 ( 上下冊 ) 》	單溥譯	曉園	1990
44.	《數學統計學》	周兆麟、余望之	暨南大學出版社	1991

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
37																		*	*	*	*
38																		*	*	*	*
39																		*			
40	*	*	*	*	*	*	*	*	*	*	*										
41										*	*										
42	*	*	*	*	*	*	*	*	*	*	*										
43	*	*	*	*	*	*	*	*	*	*	*										
44																		*	*	*	*

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NO.	TITLE	AUTHOR	PUBLISHER	YEAR
45.	《概率論與數理統計》	劉生鋒	西南交通大學出版社	1988
46.	《理論力學例題及錯誤解分析》	徐妙新	同濟大學出版社	1991
47.	《概率論與數理統計》	劉景泰、張克仁、 蔡中元、鄭穎、錢 君燕	上海科學技術文獻 出版社	1991
48.	《現代應用數學手冊 (計算方法分冊) 》	清華大學應用數學 系編委會	北京出版社	1990
49.	《統計學導論》	詹世煌、方世榮	曉園	1988
50.	《數值分析問題詳解》	Burden	曉園	1974
51.	《靜力學》	Johnston	曉園	1990

NO.	Unit Number of the Syllabus																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
45																		*	*	*	*
46	*	*	*	*	*	*	*	*	*	*	*										
47																		*		*	*
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51		*																			

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