附录三

纯粹数学科(高级程度)的学与教资源

I. 参考书目

书名	作者	出版社	年份
An English-Chinese Glossary of Terms Commonly Used in the Teaching of Mathematics in Secondary Schools	Curriculum Development Council	Government Printer	1991
Report on Holistic Review of the Mathematics Curriculum	Curriculum Development Council	Government Printer	2000
Learning to Learn: Key Learning Area Mathematics Education – Consultation Document	Curriculum Development Council	Government Printer	2000
Learning to Learn -The Way Forward in Curriculum Development	Curriculum Development Council	Government Printer	2001
Mathematics Education Key Learning Area Curriculum Guide (Primary 1 – Secondary 3)	Curriculum Development Council	Government Printer	2002
A Century of Calculus Part I 1894-1968 (The Raymond W. Brink Selected Mathematical Papers)	T. M. Apostol, et al.	The Mathematical Association of America	1992
A Century of Calculus Part II 1969-1991	T. M. Apostol, et al.	The Mathematical Association of America	1992
A Course in Pure Mathematics	Margaret M. Gow	Hodder	1990
A Course of Pure Mathematics	G.H.Hardy	Cambridge Uni. Press	1993
A History of Mathematics	C. B. Boyer U. Merzbach	John Wiley & Sons	1991
Advanced Level Pure Mathematics	S.L. Green	UTP	1989
Advanced Level Pure Mathematics	C. J. Tranter	The English Universities Press Ltd.	1975
Elementary Calculus	F. Bowman	Longman	1977
Further Pure Mathematics	L. Bostock, S. Chandler & C.	Trans-Atlantic Publications	1994

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书名	作者	出版社	年份
Improving Mathematics Teaching with DERIVE	B. Kutzler	Chartwell-Bratt	1996
Introduction to Elementary Calculus	S. R. Hsieh	Luen Shing Printing Co.	1991
Mathematics – The Core Course for A-Level	L.Bostock & S.Chandler	ELBS	1992
Schaum's Outline of College Mathematics	P.Schmidt & F.Ayres	McGraw-Hill	2003
Schaum's Outline Series: Theory and Problems of Finite Mathematics	S.Lipschutz & J. Schiller	McGraw-Hill	1994
Symbolic Manipulation by Computers and Calculators – Information, Ideas and Implications for Mathematics Teaching 14-21	A. Oldknow & J. Flower	The Mathematical Association of America	1996
Techniques of Mathematical Analysis	C. J. Tranter	Hodder	1990
The Tutorial Algebra (Vol. 1 & 2)	Briggs & Bryan	University Tutorial Press	1960
幼狮数学大辞典 (上、下)	数学教研室	幼狮文化事业	1982
高中三角学	陈明哲	中央书局	1976
高等数学	胡海清	湖南科学技术	1988
基础微积分	邵之泉、华青等	知识	1987
微分、积分(上下合并)	严水谟译	晨光	1989
微积分探原	吴英格译	徐氏基金会	1989
数学分析 (上、下)	复旦大学数学系	商务	1995
数学分析习题集	李荣冻译	商务	1986
数学和数学家的故事 (1-7)	李学数	广角镜	1978-1997
数学历史典故	梁宗巨	九章	1995
数学归纳法	华罗庚	商务	1989
标准高等代数学 (上、下)	陈明哲	中央书局	1978
标准解析几何	陈明哲	中央书局	1976

II. 通用软件

1 Cabri Geometry *(Texas Instruments)*

2 Calculus 1.0 *(Ashay Dharwadker)*

3 Derive *(Texas Instruments)*

4 FX Draw *(Efofex Software)*

5 Geometer's Sketchpad *(Key Curriculum Press)*

6 Graphmatica *(KSoft Inc.)*

7 Journey Through Calculus *(Brooks/Cole Group)*

8 Maple *(Waterloo Maple)*

9 Mathematica *(Wolfram Research)*

10 Microsoft Excel *(Microsoft Corporation)*

11 Scientific Notebook *(TCI Software Research)*

12 Winplot *(Peanut Software)*