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Preface

Mathematical Formulae intends to provide students, scientists, engineers, and researchers with a readily available reference to the mathematical formulae needed during their studies or work situation. It is a handy book that one must have on the bookshelf. The text is divided, for ease of reference, into ten main chapters embracing algebra, trigonometry, limit, differentiation and integration, vector calculus, coordinate geometry, differential equations, numerical methods, discrete mathematics, and financial mathematics. Essential theory, formulae, definitions and laws are clearly stated in this book. This collection of formulas constitutes a compilation of mathematics for Engineering and Sciences. In addition, people who often deal with practical or applied problems will also find this collection an efficient and easy-to-use work of reference. The present book arose as a result of many years of teaching experience of various faculties in Universiti Malaysia Pahang (UMP) which are Chemical & Natural Resources Engineering, Civil Engineering & Earth Resources, Computer Systems & Software Engineering, Electrical & Electronics Engineering, Industrial Sciences & Technology, Manufacturing Engineering, Mechanical Engineering, Engineering Technology and Industrial Management. The text assumes little previous knowledge and is suitable for a wide range of courses in UMP. Finally, we would also like to emphasize that remarks and criticism are always welcome.

Contents

1	Algebra	7
1.1	Indices Rules	7
1.2	Logarithm and Exponent Rules	7
1.3	Surds	8
1.4	Absolute Values	8
1.5	Factoring Rules	8
1.6	Quadratic Formula	8
1.7	Complex Number	9
1.8	Matrix	9
1.9	Arithmetic Series	10
1.10	Geometric Series	10
1.11	Binomial Series	10
1.12	Taylor Series	10
1.13	Maclaurin Series	10
1.14	Partial Fractions	11
2	Trigonometry	13
2.1	Trigonometric Ratios	13
2.2	Special Angles	14
2.3	Basic Identities	15
2.4	Angle Sum and Difference Identities	16
2.5	Double-Angle Identities	16
2.6	Half-Angle Identities	16
2.7	Sum Identities	17
2.8	Hyperbolic Identities	17

3 Limit 19
3.1 Basic Properties of Limits 19
3.2 Properties of Limits 19
3.3 Limits of Logarithm Functions 20
3.4 Continuity 20

4 Differentiation and Integration 21
4.1 Basic Properties of Differentiation 21
4.2 Derivatives of Basic Functions 21
4.3 Higher Order Derivatives 21
4.4 Basic Properties of Definite Integrals 22
4.5 Integrals of Basic Functions 23
4.6 Basic Differentiation and Integration 23
4.7 Trigonometric Functions 24
4.8 Hyperbolic Functions 24
4.9 Inverse Trigonometric Functions 25
4.10 Applications of Integration 27

5 Vector Calculus 31
5.1 Polar Coordinates 31
5.2 Vectors and Geometry of Space 31
5.3 The Dot Products and Cross Product 31
5.4 Equation of Planes 32
5.5 Vector Functions 32
5.6 Vector Calculus 33
5.7 Multiple Integrals 34

6 Coordinate Geometry 37
6.1 Straight Line 37
6.2 Exponential and Logarithmic Graph 37
6.3 Quadratic Graph 37
6.4 Cubic Graph 38
6.5 Rational Graph 38

6.6 Circle and Ellipse 39
6.7 Graphing Techniques 39
6.8 Polar Coordinate 40
6.9 Cylindrical Coordinate 41
6.10 Spherical Coordinate 41
6.11 Three-Dimensional Graphs 41
6.12 Area 43
6.13 Surface Area and Volume 44

7 Differential Equations 47
7.1 Jargon 47
7.2 First Order Ordinary Differential Equations 47
7.3 Second Order Homogeneous Differential Equations 48
7.4 Second Order Non-Homogeneous Differential Equations 49
7.5 Mean Value 50
7.6 Table of Laplace Transforms 50
7.7 Properties of Laplace Transforms 52
7.8 Laplace Transforms of Derivatives 52
7.9 Fourier Series 53

8 Numerical Methods 55
8.1 Errors 55
8.2 Roots of Equations 55
8.3 Linear Algebraic Equations and Matrices 56
8.4 Curve Fitting 57
8.5 Numerical Integration 58
8.6 Ordinary Differential Equations: Initial Value Problem 58
8.7 Ordinary Differential Equations: Boundary Value Problem 60

9 Discrete Mathematics 61
9.1 Set Theory 61

9.2 Boolean Identities 62
9.3 Basic Counting 63
9.4 Elementary Number Theory 63
9.5 Discrete Probability 64
9.6 Discrete Distribution 65
9.7 Mathematical Expectation 66
9.8 Euler's Formula 66
9.9 Tree 67
9.10 Numerical Precision, Accuracy and Errors 67

10 Financial Mathematics 69