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ISBN 978-967-2054-68-9



PUBLISHER
UNIVERSITI MALAYSIA PAHANG

Mathematical Formulae 2.0



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Publisher
Universiti Malaysia Pahang
Kuantan
2017

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First Published, 2017

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Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Norazaliza Mohd Jamil

Mathematical Formulae 2.0 / Norazaliza Mohd Jamil, Nor Alisa Mohd Damanhuri, Yuhani Yusof, Nor Aida Zuraimi Md Noar, Norhafizah Md Sarif.

ISBN 978-967-2054-68-9

1. Mathematics--Formulae. 2. Arithmetics--Formulae. 3. Government publications-Malaysia I. Title.

510

Published By:

Publisher

Universiti Malaysia Pahang,
Lebuhraya Tun Razak,
Pahang Darul Makmur.

Tel: 09-549 3320 Fax: 09-549 3381

Printing:

Syarikat Percetakan Inderapura Sdn. Bhd

Jalan Tanjong Api Off Jalan Telok Sisek
25200 Kuantan, Pahang Darul Makmur

Tel: 09-5177225/5177031 Fax: 095139434

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.



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