

MULTIVARIABLE AND VECTOR CALCULUS

An Introduction

SECOND EDITION



SARHAN M. MUSA

Multivariable And Vector Calculus An Introduction 450

Shasha Hu



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Multivariable and Vector Calculus Sarhan M. Musa, David A. Santos, 2014-07-15 This book is designed primarily for undergraduates in mathematics engineering and the physical sciences Rather than concentrating on technical skills it focuses on a deeper understanding of the subject by providing many unusual and challenging examples The basic topics of vector geometry differentiation and integration in several variables are explored It also provides numerous computer illustrations and tutorials using MATLAB and Maple that bridge the gap between analysis and computation Features Includes numerous computer illustrations and tutorials using MATLAB and Maple Covers the major topics of vector geometry differentiation and integration in several variables Instructors ancillaries available upon adoption College of Engineering University of Michigan. College of Engineering, 1970

The American Mathematical Monthly, 1976 Includes articles as well as notes and other features about mathematics and the profession

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Andrew Metcalfe David Green Andrew Smith and Jonathan Tuke have taught probability and statistics to students of engineering at the University of Adelaide for many years and have substantial industry experience Their current research includes applications to water resources engineering mining and telecommunications Mahayaudin Mansor worked in banking and insurance before teaching statistics and business mathematics at the Universiti Tun Abdul Razak Malaysia and is currently a researcher specializing in data analytics and quantitative research in the Health Economics and Social Policy Research Group at the Australian Centre for Precision Health University of South Australia Tony Greenfield formerly Head of Process Computing and Statistics at the British Iron and Steel Research Association is a statistical consultant He has been awarded the Chambers Medal for outstanding services to the Royal Statistical Society the George Box Medal by the European Network for Business and Industrial Statistics for Outstanding Contributions to Industrial Statistics and the William G Hunter Award by the American Society for Quality

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