

1. Record Nr.	UNINA9910457539003321
Autore	Cohen Martin
Titolo	The eclipse of 'elegant economy' [[electronic resource]] : the impact of the Second World War on attitudes to personal finance in Britain // Martin Cohen
Pubbl/distr/stampa	Farnham, Surrey ; ; Burlington, Vt., : Ashgate Pub., 2012
ISBN	1-317-03471-6 1-283-48007-7 9786613480071 1-4094-3973-9
Descrizione fisica	1 online resource (263 p.)
Collana	Modern economic and social history series
Disciplina	330.941/0855
Soggetti	Finance, Personal - Great Britain - History World War, 1939-1945 Consumption (Economics) - Great Britain Electronic books. Great Britain Economic conditions 1945-1964
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Fleeting crescent (1918 to 1939 and before) -- Petrified "capitalists" (the Second World War) -- Short dawn (1945 to 1947) -- First quartile (1948 to 1951) -- Dividend-seeking "socialists" (the co-operative movement) -- Spreading shadow (1951 to 1957) -- Total eclipse and its corona (1957 and beyond).
Sommario/riassunto	With concepts of 'austerity' very much in the news, this book takes a fresh look at attitudes to consumption, consumerism and personal finance in Britain during the middle decades of the twentieth century. It argues that the pre-War fear of debt and social disdain for conspicuous consumption was replaced during the 1940's and 1950's by widespread acceptance of a consumer society. As the financial woes of the 21st century force a reassessment of the sustainability of a consumer-based society, this book provides a timely reminder of how attitudes to personal finance are of greater significance to

2. Record Nr.	UNINA9910838379003321
Autore	Musa Sarhan M
Titolo	Multivariable and Vector Calculus : An Introduction
Pubbl/distr/stampa	Edinburgh : , : Mercury Learning & Information, , 2023 ©2023
ISBN	9781683929185 9781683929192
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (455 pages)
 Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Half-Title -- Title -- Copyright -- Dedication -- Contents -- Preface -- Acknowledgments -- Chapter 1: Vectors and Parametric Curves -- 1.1 Points and Vectors on the Plane -- Exercises 1.1 -- 1.2 Scalar Product on the Plane -- Exercises 1.2 -- 1.3 Linear Independence -- Exercises 1.3 -- 1.4 Geometric Transformations in Two Dimensions -- Exercises 1.4 -- 1.5 Determinants in Two Dimensions -- Exercises 1.5 -- 1.6 Parametric Curves on the Plane -- Exercises 1.6 -- 1.7 Vectors in Space -- Exercises 1.7 -- 1.8 Cross Product -- Exercises 1.8 -- 1.9 Matrices in Three Dimensions -- Exercises 1.9 -- 1.10 Determinants in Three Dimensions -- Exercises 1.10 -- 1.11 Some Solid Geometry -- Exercises 1.11 -- 1.12 Cavalieri and the Pappus-Guldin Rules -- Exercises 1.12 -- 1.13 Dihedral Angles and Platonic Solids -- Exercises 1.13 -- 1.14 Spherical Trigonometry -- Exercises 1.14 -- 1.15 Canonical Surfaces -- Exercises 1.15 -- 1.16 Parametric Curves in Space -- Exercises 1.16 -- 1.17 Multidimensional Vectors -- Exercises 1.17 -- Chapter 2: Differentiation -- 2.1 Some Topology -- Exercises 2.1 -- 2.2 Multivariable Functions -- Exercises 2.2 -- 2.3 Limits and Continuity -- Exercises 2.3 -- 2.4 Definition of the Derivative -- Exercises 2.4 -- 2.5 The Jacobi Matrix -- Exercises 2.5 -- 2.6 Gradients and Directional Derivatives -- Exercises 2.6 -- 2.7 Levi-Civitta and Einste -- Exercises 2.7 -- 2.8 Extrema -- Exercises 2.8 -- 2.9 Lagrange Multipliers -- Exercises 2.9 -- Chapter 3: Integration

-- 3.1 Differential Forms -- Exercises 3.1 -- 3.2 Zero-Manifolds -- Exercises 3.2 -- 3.3 One Manifold -- Exercises 3.3 -- 3.4 Closed and Exact Forms -- Exercises 3.4 -- 3.5 Two-Manifolds -- Exercises 3.5 -- 3.6 Change of Variables in Double Integrals -- Exercises 3.6 -- 3.7 Change to Polar Coordinates -- Exercises 3.7 -- 3.8 Three-Manifolds -- Exercises 3.8.  
3.9 Change of Variables in Triple Integrals -- Exercises 3.9 -- 3.10 Surface Integrals -- Exercises 3.10 -- 3.11 Green's, Stokes', and Gauss' Theorems -- Exercises 3.11 -- Appendix A: Maple -- A.1 Getting Started and Windows of Maple -- A.2 Arithmetic -- A.3 Symbolic Computation -- A.4 Assignments -- A.5 Working with Output -- A.6 Solving Equations -- A.7 Plots with Maple -- A.8 Limits and Derivatives -- A.9 Integration -- A.10 Matrix -- Appendix B: Matlab -- B.1 Getting Started and Windows of MATLAB -- B.1.1 Using MATLAB in Calculations -- B.2 Plotting -- B.2.1 Two-dimensional Plotting -- B.2.2 Three-Dimensional Plotting -- B.3 Programming in MATLAB -- B.3.1 For Loops -- B.3.2 While Loops -- B.3.3 If, Else, and Elself -- B.3.4 Switch -- B.4 Symbolic Computation -- B.4.1 Simplifying Symbolic Expressions -- B.4.2 Differentiating Symbolic Expressions -- B.4.3 Integrating Symbolic Expressions -- B.4.4 Limits Symbolic Expressions -- B.4.5 Taylor Series Symbolic Expressions -- B.4.6 Sums Symbolic Expressions -- B.4.7 Solving Equations as Symbolic Expressions -- Appendix C: Answers to Odd-Numbered Exercises -- Chapter 1 -- Chapter 2 -- Chapter 3 -- Appendix D: Formulas -- D.1 Trigonometric Identities -- D.2 Hyperbolic Functions -- D.3 Table of Derivatives -- D.4 Table of Integrals -- D.5 Summations (Series) -- D.5.1 Finite Element of Terms -- D.5.2 Infinite Element of Terms -- D.6 Logarithmic Identities -- D.7 Exponential Identities -- D.8 Approximations for Small Quantities -- D.9 Vectors -- D.9.1 Vector Derivatives -- D.9.2 Vector Identity -- D.9.3 Fundamental Theorems -- Bibliography -- Index.

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#### Sommario/riassunto

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. Furthermore, it can be used to empower the mathematical knowledge for Artificial Intelligence (AI) concepts. It also provides numerous computer illustrations and tutorials using MATLAB® and Maple®, that bridge the gap between analysis and computation. Partial solutions and instructor ancillaries available for use as a textbook.

**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

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