



Vector Mechanics for Engineers

Statics

12th Edition in SI Units

Beer ♦ Johnston ♦ Mazurek ♦ Sanghi

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Twelfth Edition in SI Units

Vector Mechanics For Engineers

Statics

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VECTOR MECHANICS FOR ENGINEERS—STATICS
TWELFTH EDITION IN SI UNITS

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Brief Contents

1	Introduction	1
2	Statics of Particles	16
3	Rigid Bodies: Equivalent Systems of Forces	83
4	Equilibrium of Rigid Bodies	170
5	Distributed Forces; Centroids and Centers of Gravity	232
6	Analysis of Structures	299
7	Internal Forces and Moments	368
8	Friction	431
9	Distributed Forces: Moments of Inertia	485
10	Method of Virtual Work	575

Appendix: Fundamentals for Engineering Courses A1

Answers to Problems AN1

Index I1

Properties of Geometric Shapes I17

Contents

Preface	viii
Guided Tour	xiii
Acknowledgments	xv
List of Symbols	xvi

1 Introduction 1

- 1.1 What is Mechanics? 2
- 1.2 Fundamental Concepts and Principles 3
- 1.3 Systems of Units 5
- 1.4 Converting between Two Systems of Units 10
- 1.5 Method of Solving Problems 11
- 1.6 Numerical Accuracy 15

2 Statics of Particles 16

- 2.1 Addition of Planar Forces 17
- 2.2 Adding Forces by Components 29
- 2.3 Forces and Equilibrium in a Plane 38
- 2.4 Adding Forces in Space 54
- 2.5 Forces and Equilibrium in Space 67
- Review and Summary 76
- Review Problems 80

3 Rigid Bodies: Equivalent Systems of Forces 83

- 3.1 Forces and Moments 85
- 3.2 Moment of a Force about an Axis 105
- 3.3 Couples and Force-Couple Systems 119
- 3.4 Simplifying Systems of Forces 138
- Review and Summary 162
- Review Problems 167



4 Equilibrium of Rigid Bodies 170

- 4.1 Equilibrium in Two Dimensions 173
- 4.2 Two Special Cases 199
- 4.3 Equilibrium in Three Dimensions 207
- Review and Summary 227
- Review Problems 229

5 Distributed Forces: Centroids and Centers of Gravity 232

- 5.1 Planar Centers of Gravity and Centroids 234
- 5.2 Further Considerations of Centroids 250
- 5.3 Additional Applications of Centroids 262
- 5.4 Centers of Gravity and Centroids of Volumes 276
- Review and Summary 293
- Review Problems 297

6 Analysis of Structures 299

- 6.1 Analysis of Trusses 301
- 6.2 Other Truss Analyses 319
- 6.3 Frames 334
- 6.4 Machines 350
- Review and Summary 363
- Review Problems 365

7 Internal Forces and Moments 368

- 7.1 Internal Forces in Members 369
- 7.2 Beams 379
- 7.3 Relations Among Load, Shear, and Bending Moment 392
- *7.4 Cables 407
- *7.5 Catenary Cables 419
- Review and Summary 426
- Review Problems 429



8 Friction 431

- 8.1 The Laws of Dry Friction 433
- 8.2 Wedges and Screws 453
- *8.3 Friction on Axles, Disks, and Wheels 462
- 8.4 Belt Friction 471

Review and Summary 480

Review Problems 482

9 Distributed Forces: Moments of Inertia 485

- 9.1 Moments of Inertia of Areas 487
- 9.2 Parallel-Axis Theorem and Composite Areas 497
- *9.3 Transformation of Moments of Inertia 516
- *9.4 Mohr's Circle for Moments of Inertia 526
- 9.5 Mass Moments of Inertia 533
- *9.6 Additional Concepts of Mass Moments of Inertia 553

Review and Summary 568

Review Problems 573

10 Method of Virtual Work 575

- *10.1 The Basic Method 576
- *10.2 Work, Potential Energy, and Stability 596

Review and Summary 610

Review Problems 613

Appendix: Fundamentals for Engineering Courses A1

Answers to Problems AN1

Index I1

Properties of Geometric Shapes I17

A strong conceptual understanding is essential for solving problems successfully. This edition of *Vector Mechanics for Engineers* helps instructors and students achieve this goal by providing strong understanding and logical analysis for solving problems using SI metrics.

With new concepts presented in a simplified and detailed manner, a number of **Advanced or Specialty** sections are included. To keep these distinct and optional, they are marked with asterisk so users can choose whether or not to read. The text adopts **SMART (Strategy, Modeling, Analysis, Reflect and Think)** approach to problem solving. Maintaining its sound and significant pedagogy, approximately 300 homework problem sets are introduced or revised. The book is enhanced by rich online resources for instructors and students in Connect.

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The Cover: An uneven stack of Jenga blocks – maintaining balance due to static equilibrium as long as the center of gravity lies on the axis of rotation

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