



Advanced Level Mathematics: Mechanics 2

By Douglas Quadling

Cambridge University Press, 2007. Softcover. Book Condition: New. This book is part of a series of textbooks created for the new Cambridge International Examinations (CIE) mathematics syllabus. The authors have worked with CIE to assure that the content matches the syllabus and is pitched at a suitable level. Mechanics 2 corresponds to syllabus unit M2. The syllabus content is arranged in chapters to provide a viable teaching course. Each chapter starts with a list of learning objectives. Mathematical concepts, terminology and notation are explained clearly and carefully. Key results and procedures appear in boxes for easy reference. Stimulating worked examples take a step-by-step approach to problem solving. There are plenty of exercises throughout, as well as revision exercises and practice exam papers? all written by experienced examiners. Contents Introduction 1. The motion of projectiles 2. Moments 3. Centre of mass 4. Rigid objects in equilibrium 5. Elastic strings and springs Revision exercise 1 6. Motion round a circle 7. Geometrical methods 8. Centres of mass of special shapes 9. Linear motion with variable forces 10. Strategies for solving problems Revision exercise 2 Practice examinations Answers Index Formulae Printed Pages: 208.



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