1. Record Nr. UNISA996383835103316

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| Autore | J. D |
| Titolo | Upon the most hopefull and ever flourishing sprouts of valour, the indefatigable centryes or armed gyants cut in yew at the Physick garden in Oxford [[electronic resource] /] / by the ingenious author J.D |
| Pubbl/distr/stampa | [S.l., : s.n., 1682] |
| Descrizione fisica | 1 broadside |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Reproduction of the original in Chetham's Library. |
| Sommario/riassunto | eebo-0025 |

2. Record Nr. UNINA9911001471603321

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| Autore | Roth Stefan |
| Titolo | Mechanics : Experimental Physics - Descriptively Explained / / by Stefan Roth, Achim Stahl |
| Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2025 |
| ISBN | 3-662-68079-3 |
| Edizione | [1st ed. 2025.] |
| Descrizione fisica | 1 online resource (659 pages) |
| Collana | Physics and Astronomy Series |
| Altri autori (Persone) | StahlAchim |
| Disciplina | 531 |
| Soggetti | Mechanics<br>Thermodynamics<br>Classical Mechanics |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Preface -- Part I Introduction -- 1 What is physics,- 2 Physical |

quantities -- 3 Measurement errors -- 4 Methodology -- Part II Mechanics of mass points -- 5 Kinematics of the mass point -- 6 Dynamics of a mass point -- 7 Work and energy -- 8 Momentum -- 9 Friction -- 10 Apparent forces -- 11 Celestial mechanics. 11 Celestial mechanics -- Part III Mechanics of rigid bodies -- 12 The rigid body -- 13 Rotational motions -- Part IV Elastic bodies -- 15 Hydro- and aerostatics -- 16 Hydro- and aerodynamics -- Part V Oscillations and waves -- 17 Oscillations -- 18 Waves -- 19 Acoustics -- Appendices.

Sommario/riassunto

This modernly designed textbook on experimental physics invites students of physics and neighbouring disciplines to learn mechanics. With clear examples, rich illustrations and modern exercises, the book guides students through the material of the bachelor's course. The authors focus on experiments, which they explain with the help of many illustrations, thus facilitating the understanding of the physical phenomena. The book covers the mechanics of the point masses and rigid and elastic bodies, aero- and hydrodynamics, as well as oscillations and waves. This book offers a clear structure printed in full colour a clear orientation through colour-highlighted experiments, examples and important formulas exercises with solutions to practice the acquired knowledge If you are looking for an attractively designed companion book or a book for self-study for the experimental physics course on mechanics and value a helpful visual presentation, concise explanations and contemporary language, you have come to the right place. We hope you enjoy reading, discovering and learning! The authors Stefan Roth is a professor and student advisor for physics at RWTH Aachen University. He regularly participates in the course lectures on experimental physics and, as a student advisor, has direct contact with the students. He also enganges in research, in the field of neutrino physics. Achim Stahl is a professor of experimental physics at RWTH Aachen University. He regularly holds the introductory course in experimental physics for physics students, which gave rise to this book. His field of research is particle and astrophysics with particle accelerators, neutrinos, and gravitational waves. <The translation was done with the help of artificial intelligence. A subsequent human revision was done primarily in terms of content.