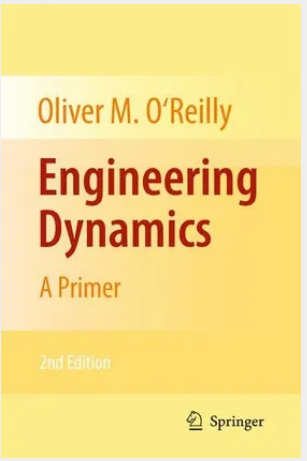
O'Reilly

Engineering Dynamics

A Primer



This Primer is intended to provide the theoretical background for the standard undergraduate, mechanical engineering course in dynamics. The book contains several worked examples and summaries and exercises at the end of each chapter to aid readers in their understanding of the material. Teachers who wish to have a source of more detailed theory for the course, as well as graduate students who need a refresher course on undergraduate dynamics when preparing for certain first year graduate school examinations, and students taking the course will find the work very helpful.

Preface to Second Edition The possibility of publishing an affordable electronic version of this book was the primary reason for writing the second edition. I have also taken the opportunity to reformat,rearrange,and updatethe originaledition.New exampleshavebeen added and for most of the examples, such as the rolling disk and the particle on a cone, more detailed analyses have been presented. Several explanations in the text have, I hope, been improved upon. Where appropriate, numerical results for the motion of individual systems have been included. It is a pleasure to take this opportunity to once again thank Achi Dosanjh at Springer-Verlag in New York for her editorial support. Charles Taylor's daughter, Mary Anne Taylor Urry, kindly gave me permission to use the photo shown in Figure 10.1.I am also grateful to Joanna Chang,Nur Adila FarukSenan, and Daniel Kawano for their help with this edition and to many others for their comments on the rst edition. Although I hope that there are no typographical errors in this e- tion, in the event that my hopesare dashed, I would welcome hearingabout them by email at oreilly@berkeley.edu. An updated errata will be posted on my University of California at Berkeley homepage. All of the author royalties from the sales of this book will be donated to the United Nations Children's Fund (UNICEF).

53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781441963598
Medium: Buch
ISBN: 978-1-4419-6359-8
Verlag: Springer US
Erscheinungstermin: 15.06.2010
Sprache(n): Englisch
Auflage: 2. Auflage 2010
Produktform: Kartoniert
Gewicht: 800 g
Seiten: 240
Format (B x H): 155 x 235 mm

fachmedien.de
WISSEN. EINFACH. FINDEN.

29.11.2026 | 02:21 Uhr

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)