

**300 Creative Physics Problems with Solutions***László Holics*

Pub Date: July 2011
Binding: Paperback
Price: £22.95 / \$39.50
ISBN: 9780857284020

Category: EDUCATION / Teaching Methods & Materials / Science & Technology
BISAC code: EDU029030
BIC code: PH

Extent: 538 pages
Size: 229 x 152mm / 9 x 6
Illustrations: 100+ diagrams

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Description

This collection of exercises, compiled for talented high school students, encourages creativity and a deeper understanding of ideas when solving physics problems.

300 Creative Physics Problems with Solutions offers a collection of exercises compiled for talented high-school and undergraduate-level students, and encourages creativity and a deeper understanding of ideas when solving physics problems. This book features almost three hundred problems and solutions worked out in detail, dealing with classical physics topics such as mechanics, thermodynamics, electrodynamics, magnetism and optics. Posed in accessible language and requiring only elementary calculus, these problems are intended to strengthen students' knowledge of the laws of physics by applying them to practical situations in a fun and instructive way. These problems and solutions challenge students of physics, stretching their abilities through practice and a thorough comprehension of ideas.

Readership: This collection will be useful to students aged 14-19, as well as to teachers of high school physics.

Contents

Table of Contents; How to Use This Book; List of Physical Constants; Problems 1-294; Solutions 1-294

About the Author

László Holics is a physicist and physics teacher, and has been teaching in the Apaczai Secondary School since 1959. He has worked for the Hungarian Academy of Sciences, and is now a popular teacher among his students and the winner of numerous awards, including the prestigious László Rátz Honorary Award for Teachers. He has written several renowned books on physics, is Head of the Committee of the National Physics Competition for Secondary School Students, and is the Honorary President of Loránd Eötvös Physical Society's Education Committee.

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