


[DOWNLOAD](#)


## Fluids, Waves and Optics Solutions Manual (Paperback)

By Roger Moore

Createspace Independent Publishing Platform, 2017. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This is the solutions manual for the Fluids, Waves and Optics textbook which was developed for the first-year calculus-based, introductory physics courses at the University of Alberta. This solutions manual contains the text of every end of chapter problem followed by a detailed, fully worked solution to each part of the problem. The questions and their solutions are grouped by the chapters in the Fluids, Waves and Optics textbook which are: Mathematics - Small angle approximations, complex numbers, complex exponentials, partial derivatives, experimental uncertainties. Elasticity - Stress, strain, moduli of elasticity, bulk stress, strain and modulus Fluid Statics - pressure, Pascal's law, measuring pressures, Archimedes principle Fluid Dynamics - continuity equation, Bernoulli's equation, Torricelli's law, viscosity, Poiseuille's law, Stokes law Simple Oscillations - simple harmonic motion, mass-spring systems, simple and compound pendulums Damped and Driven Oscillations - damped harmonic motion, damping ratio, driven oscillators, resonance Waves - types of waves, mathematical description of a wave, waves on a string, acoustic waves, wave power and intensity Wave Phenomena - principle of superposition, reflection at a boundary, interference, beats, standing...



[READ ONLINE](#)  
[ 5.28 MB ]

### Reviews

*Very useful to all of class of people. It is really simplified but unexpected situations within the 50 % in the ebook. I am delighted to let you know that this is actually the best book i have read in my personal daily life and can be he finest ebook for at any time.*

-- **Gwen Schultz**

*The publication is easy in read better to understand. It is writter in basic words and phrases rather than hard to understand. You wont truly feel monotony at anytime of your respective time (that's what catalogues are for about if you question me).*

-- **Kaya Rippin**