

# **INSTRUCTOR'S SOLUTIONS MANUAL**

**SEARS & ZEMANSKY'S**

# **UNIVERSITY PHYSICS**

**15TH EDITION**

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## CONTENTS

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|                 |                        |  |      |
|-----------------|------------------------|--|------|
|                 | <b>Preface</b>         | .....  | v    |
| <b>Part I</b>   | <b>Mechanics</b>       |  |      |
|                 | <b>Chapter 1</b>       | Units, Physical Quantities, and Vectors .....  | 1-1  |
|                 | <b>Chapter 2</b>       | Motion Along a Straight Line .....             | 2-1  |
|                 | <b>Chapter 3</b>       | Motion in Two or Three Dimensions .....        | 3-1  |
|                 | <b>Chapter 4</b>       | Newton's Laws of Motion .....                  | 4-1  |
|                 | <b>Chapter 5</b>       | Applying Newton's Laws .....                   | 5-1  |
|                 | <b>Chapter 6</b>       | Work and Kinetic Energy.....                   | 6-1  |
|                 | <b>Chapter 7</b>       | Potential Energy and Energy Conservation ..... | 7-1  |
|                 | <b>Chapter 8</b>       | Momentum, Impulse, and Collisions .....        | 8-1  |
|                 | <b>Chapter 9</b>       | Rotation of Rigid Bodies.....                  | 9-1  |
|                 | <b>Chapter 10</b>      | Dynamics of Rotational Motion .....            | 10-1 |
|                 | <b>Chapter 11</b>      | Equilibrium and Elasticity .....               | 11-1 |
|                 | <b>Chapter 12</b>      | Fluid Mechanics .....                          | 12-1 |
|                 | <b>Chapter 13</b>      | Gravitation .....                              | 13-1 |
|                 | <b>Chapter 14</b>      | Periodic Motion .....                          | 14-1 |
| <b>Part II</b>  | <b>Waves/Acoustics</b> |  |      |
|                 | <b>Chapter 15</b>      | Mechanical Waves .....                         | 15-1 |
|                 | <b>Chapter 16</b>      | Sound and Hearing .....                        | 16-1 |
| <b>Part III</b> | <b>Thermodynamics</b>  |  |      |
|                 | <b>Chapter 17</b>      | Temperature and Heat.....                      | 17-1 |
|                 | <b>Chapter 18</b>      | Thermal Properties of Matter .....             | 18-1 |
|                 | <b>Chapter 19</b>      | The First Law of Thermodynamics.....           | 19-1 |
|                 | <b>Chapter 20</b>      | The Second Law of Thermodynamics .....         | 20-1 |

**Part IV Electromagnetism**

|                   |  |      |
|-------------------|--|------|
| <b>Chapter 21</b> | Electric Charge and Electric Field .....           | 21-1 |
| <b>Chapter 22</b> | Gauss's Law .....                                  | 22-1 |
| <b>Chapter 23</b> | Electric Potential.....                            | 23-1 |
| <b>Chapter 24</b> | Capacitance and Dielectrics.....                   | 24-1 |
| <b>Chapter 25</b> | Current, Resistance, and Electromotive Force ..... | 25-1 |
| <b>Chapter 26</b> | Direct-Current Circuits.....                       | 26-1 |
| <b>Chapter 27</b> | Magnetic Field and Magnetic Forces .....           | 27-1 |
| <b>Chapter 28</b> | Sources of Magnetic Field.....                     | 28-1 |
| <b>Chapter 29</b> | Electromagnetic Induction.....                     | 29-1 |
| <b>Chapter 30</b> | Inductance.....                                    | 30-1 |
| <b>Chapter 31</b> | Alternating Current .....                          | 31-1 |
| <b>Chapter 32</b> | Electromagnetic Waves .....                        | 32-1 |

**Part V Optics**

|                   |  |      |
|-------------------|--|------|
| <b>Chapter 33</b> | The Nature and Propagation of Light..... | 33-1 |
| <b>Chapter 34</b> | Geometric Optics.....                    | 34-1 |
| <b>Chapter 35</b> | Interference .....                       | 35-1 |
| <b>Chapter 36</b> | Diffraction .....                        | 36-1 |

**Part VI Modern Physics**

|                   |  |      |
|-------------------|--|------|
| <b>Chapter 37</b> | Relativity.....                                  | 37-1 |
| <b>Chapter 38</b> | Photons: Light Waves Behaving as Particles ..... | 38-1 |
| <b>Chapter 39</b> | Particles Behaving as Waves.....                 | 39-1 |
| <b>Chapter 40</b> | Quantum Mechanics I: Wave Functions .....        | 40-1 |
| <b>Chapter 41</b> | Quantum Mechanics II: Atomic Structure.....      | 41-1 |
| <b>Chapter 42</b> | Molecules and Condensed Matter .....             | 42-1 |
| <b>Chapter 43</b> | Nuclear Physics.....                             | 43-1 |
| <b>Chapter 44</b> | Particle Physics and Cosmology.....              | 44-1 |

## PREFACE

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This Instructor's Solutions Manual contains the solutions to all the problems and exercises in *University Physics*, Fifteenth Edition, by Hugh Young and Roger Freedman.

In preparing this manual, we assumed that its primary users would be college professors; thus the solutions are condensed, and some steps are not shown. Some calculations were carried out to more significant figures than demanded by the input data in order to allow for differences in calculator rounding. In many cases answers were then rounded off. Therefore, you may obtain slightly different results, especially when powers or trig functions are involved.

This edition was constructed from the previous editions authored by Craig Watkins and Mark Hollabaugh, and much of what is here is due to them.

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