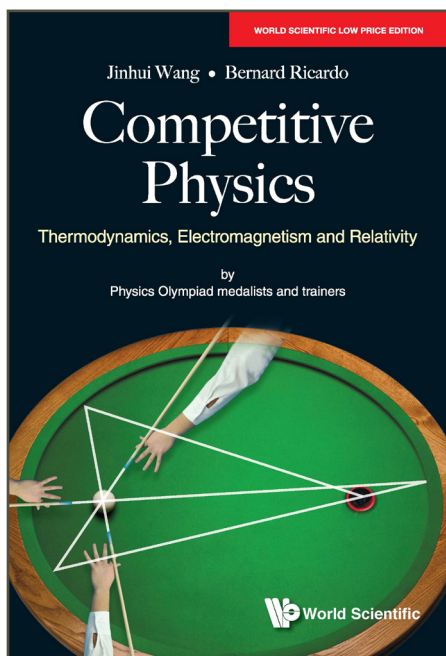


COMPETITIVE PHYSICS

Thermodynamics, Electromagnetism and Relativity

By

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and Bernard Ricardo



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ABOUT THE BOOK

Written by a former Olympiad student, Wang Jinhui, and a Physics Olympiad national trainer, Bernard Ricardo, *Competitive Physics* delves into the art of solving challenging physics puzzles. This book not only expounds a multitude of physics topics from the basics but also illustrates how these theories can be applied to problems, often in an elegant fashion. With worked examples that depict various problem-solving sleights of hand and interesting exercises to enhance the mastery of such techniques, readers will hopefully be able to develop their own insights and be better prepared for physics competitions. Ultimately, problem-solving is a craft that requires much intuition. Yet this intuition, perhaps, can only be honed by trudging through an arduous but fulfilling journey of enigmas.

This is the second part of a two-volume series and will mainly analyze thermodynamics, electromagnetism and special relativity. A brief overview of geometrical optics is also included.

READERSHIP

High school students with an interest in the art of physics problem-solving, and/or readers interested to delve into the thought process of solving high school Physics Olympiad problems.

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