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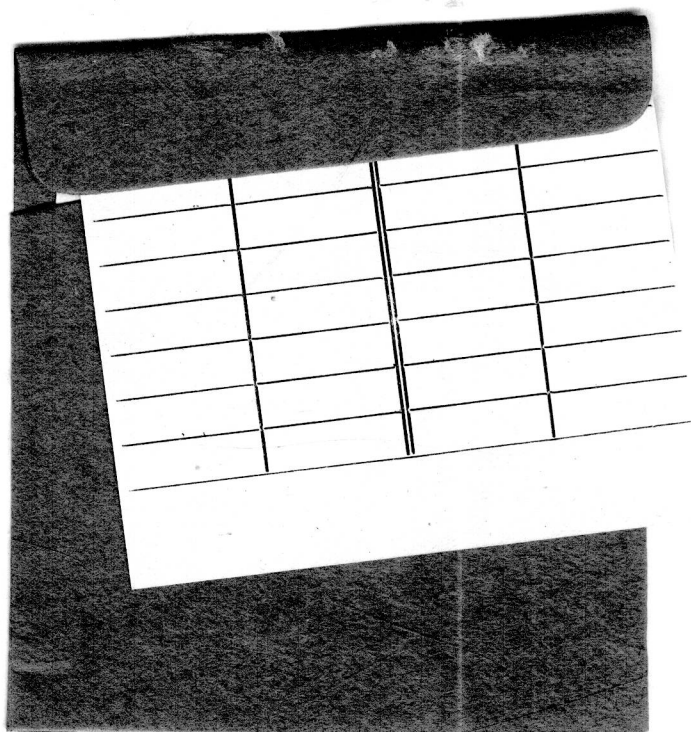
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**ЭЛЕМЕНТАРНЫЙ УЧЕБНИК
ФИЗИКИ**

под редакцией
акад. Г. С. Ландсберга



75-0000

TEXTBOOK OF ELEMENTARY PHYSICS

Edited
by Academician G. S. Landsberg

VOLUME 1
MECHANICS
HEAT
MOLECULAR PHYSICS

Translated from the Russian
by A. Troitsky



MIR PUBLISHERS · MOSCOW 1972

Revised from the 1971 Russian edition

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PREFACE

This is the first volume of a three-volume work. The title *Textbook of Elementary Physics* given to it by the authors reflects their desire to present a textbook suitable for teaching the elements of physics as a science, a task that inevitably faces all physics teachers in secondary schools, whether general or technical.

The work (which has had seven editions in Russian, the latest in 1970-1) is widely used in Soviet secondary schools and technical colleges, and is equally popular with pupils and teachers. Its merit is that it gives a basic explanation of the physical aspects of various processes in nature and technology, taking into account the latest advances in each field.

The material is presented in clear, simple language with a wealth of illustrations, which makes it useful as a means of independent home study.

This first volume is devoted to mechanics, heat, and molecular physics. Part I, *Mechanics*, was written by S. E. Khaikin (in collaboration with A. G. Kalashnikov and M. A. Isakovich). Part II, *Heat. Molecular Physics*, was written by M. I. Leontovich and D. I. Sakharov. The whole work is under the general editorship of the late Prof. G. Landsberg, Member of the USSR Academy of Sciences.
